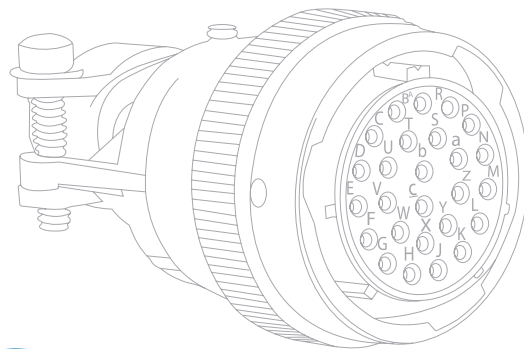


**MIL-DTL-26482 Series I circular connectors**  
Souriau 851 series





# 851 series

## MIL-DTL-26482 Series I

Typical applications

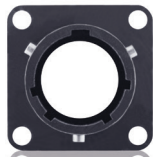


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Square flange receptacle type 00

Front view



00A/RA



Square flange receptacle with straight adapter

Page 19

00AC



Square flange receptacle with straight cable clamp without grommet

Page 19

00EC/RC



Square flange receptacle with straight cable clamp

Page 19

00E/R



Square flange receptacle with backnut

Page 20

00G/RG



Square flange receptacle with removable straight backshell for screen termination and heatshrink sleeving

Page 20

00J



Square flange receptacle with straight sealing gland backshell

Page 21

00JC



Square flange receptacle with straight sealing gland and cable clamp

Page 21

00M/RM



Square flange receptacle with removable straight backshell for heatshrink sleeving

Page 22

00P/RP



Square flange receptacle with straight backshell for potting

Page 22

00T/RT



Square flange receptacle with straight backshell for heatshrink sleeving

Page 23

00T/RT..38/42



Square flange receptacle with removable backshell and heatshrink sleeving

Page 23



### Cable in-line receptacle type 01

#### Front view



#### 01A/RA



Square flange receptacle  
with straight adaptor  
**Page 24**

#### 01AC



Square flange receptacle  
with straight cable clamp  
without grommet  
**Page 24**

#### 01EC/RC



Square flange receptacle  
with straight cable clamp  
**Page 24**

#### 01E/R



Square flange receptacle  
with backnut  
**Page 25**

#### 01G/RG



Square flange receptacle  
with removable straight  
backshell for screen  
termination and heatshrink  
sleeving  
**Page 25**

#### 01J



Square flange receptacle  
with straight sealing  
gland backshell  
**Page 26**

#### 01JC



Square flange  
receptacle with  
straight sealing gland  
and cable clamp  
**Page 26**

#### 01M/RM



Square flange receptacle  
with removable straight  
backshell for heatshrink  
sleeving  
**Page 27**

#### 01P/RP



Square flange receptacle  
with straight backshell for  
potting  
**Page 27**

#### 01T/RT



Square flange receptacle  
with straight backshell for  
heatshrink sleeving  
**Page 28**

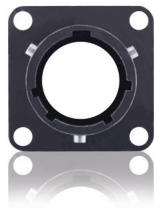
#### 01T/RT..38/42



Square flange receptacle  
with removable backshell  
and heatshrink sleeving  
**Page 28**

Square flange receptacle type 02

Front view



02E/02R/02H



Square flange receptacle not accepting backshell  
**Page 29 and 44**

Jam nut receptacle type 07

Front view



07A/07H



Jam nut receptacle not accepting backshell  
**Page 29 and 44**

07AC



Jam nut receptacle with straight cable clamp without grommet  
**Page 30**

07E/R



Jam nut receptacle with backnut  
**Page 30**

07EC/RC



Jam nut receptacle with straight cable clamp  
**Page 30**

07G/RG



Jam nut receptacle with removable straight backshell for screen termination and heatshrink sleeving  
**Page 31**

07P/RP



Jam nut receptacle with straight backshell for potting  
**Page 31**

07T/RT



Jam nut receptacle with straight backshell for heatshrink sleeving  
**Page 32**

07T/RT...38/42



Jam nut receptacle with removable backshell and heatshrink sleeving  
**Page 32**

Solder fixing receptacle for hermetic version type IH

Front view



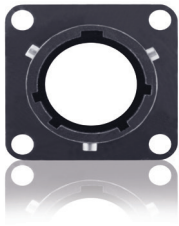
IH



Solder fixing receptacle not accepting backshell  
**Page 43**

### Plug type 06

#### Front view



#### 06J



Plug with straight sealing gland backshell  
**Page 34**

#### 06M/RM



Plug with removable straight backshell for heatshrink sleeving  
**Page 36**

#### 06P/RP



Plug with straight backshell for potting  
**Page 37**

#### 06Z/RZ



Plug with straight electrical pitch access  
**Page 39**

#### 36A/RA



Shielded plug with straight adaptor  
**Page 40**

#### Plug overmolded



Refer to Eaton

#### 06A/RA



Plug with straight adapter  
**Page 33**

#### 06EC/RC



Plug with straight cable clamp  
**Page 33**

#### 06JC



Plug with straight sealing gland and cable clamp  
**Page 35**

#### 06NS\*



Plug with short metallic adaptor and plastic cable gland with spiral protector  
**Page 36**

#### 06S\*



Plug with short metallic adaptor and plastic cable gland  
**Page 38**

#### 08EC/RC



Plug with elbow cable clamp backshell  
**Page 39**

#### 36G/RG



Shielded plug with removable straight backshell for screen termination and heatshrink sleeving  
**Page 41**

#### 06AC



Plug with straight cable clamp without grommet  
**Page 33**

#### 06E/R



Plug with backnut  
**Page 34**

#### 06L\*



Plug with long metallic adaptor and plastic cable gland  
**Page 35**

#### 06NL\*



Plug with long metallic adaptor and plastic cable gland with spiral protector  
**Page 37**

#### 06T/RT



Plug with straight backshell for heatshrink sleeving  
**Page 38**

#### 08P/RP



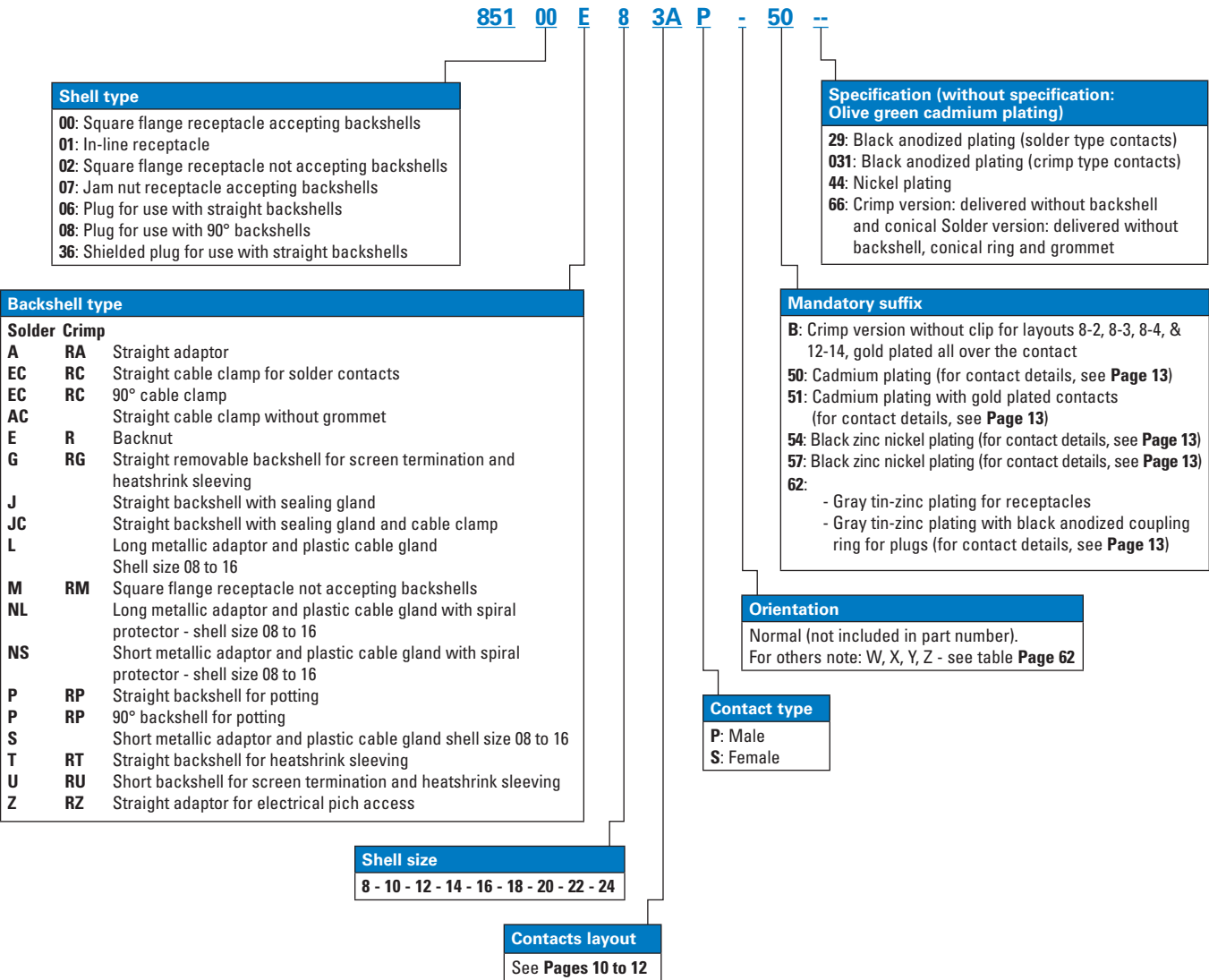
Plug with elbow backshell for potting  
**Page 40**

#### 36T/RT...38/42



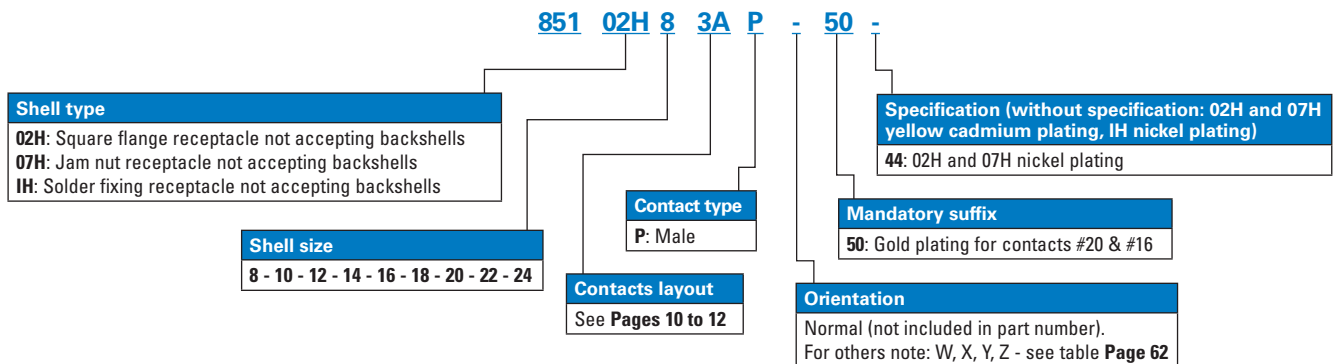
Shielded plug with removable straight backshell for screen termination and heatshrink sleeving  
**Page 41**

Environmental connectors

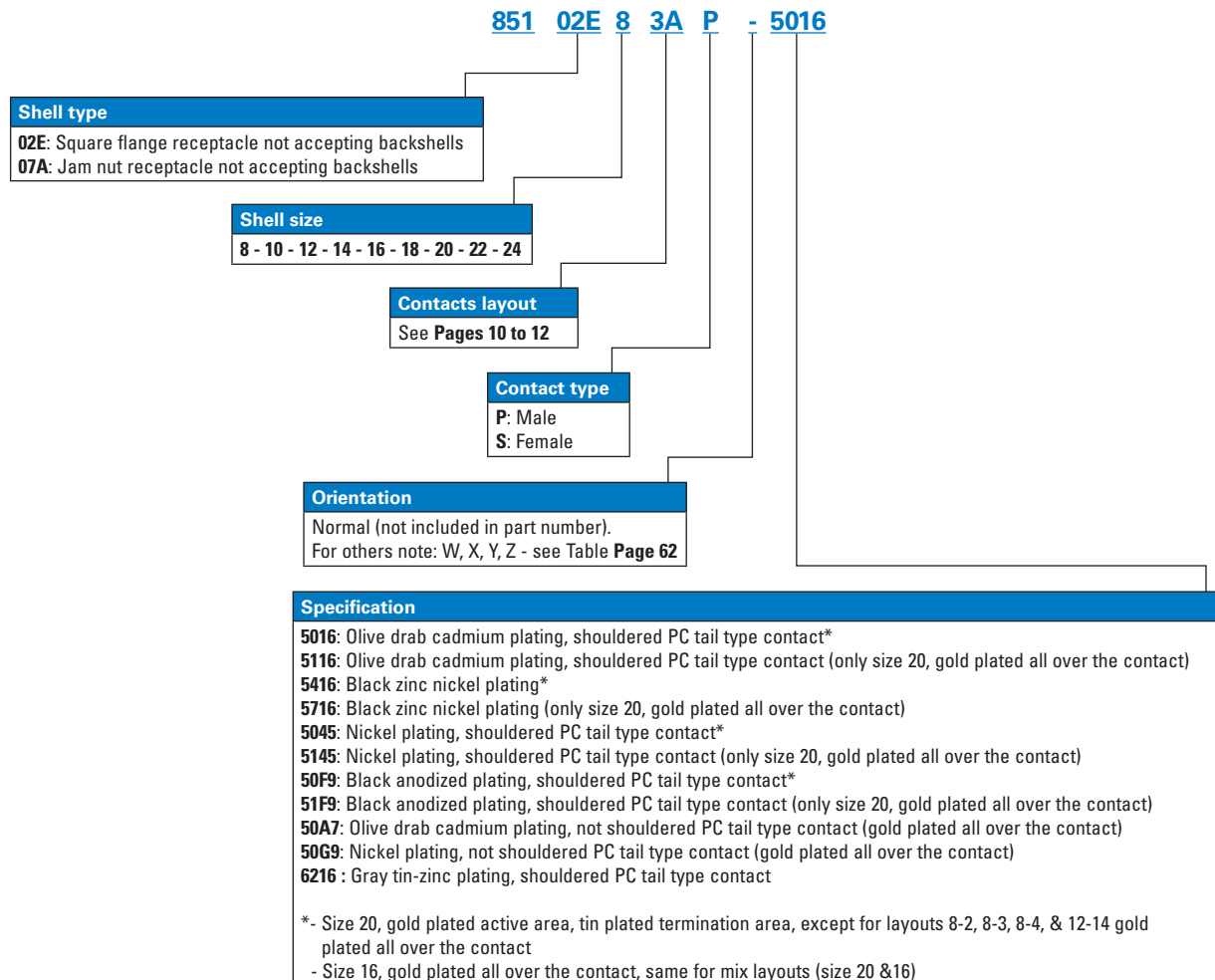




## Hermetic connectors



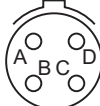
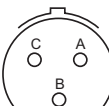
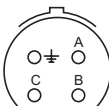
## PC tail connectors



# Souriau 851 series

## Contact layouts

### Contact layouts

| Contact #16<br>(Ø 0.062" Ø 1.6 mm)                                                  | Contact #20<br>(Ø 0.039" Ø 1.0 mm)                                                  | Mixed power                                                                         |                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|
| Size 8                                                                              |                                                                                     |                                                                                     |                      |
|    |    | 8-2<br>2 contacts                                                                   |                      |
|    |    | 8-3<br>3 contacts                                                                   |                      |
|    |    | 8-3A/8-98<br>3 contacts                                                             |                      |
|    |    | 8-33<br>3 contacts                                                                  |                      |
|   |    | 8-4<br>4 contacts                                                                   |                      |
| Size 10                                                                             |                                                                                     |                                                                                     |                      |
|                                                                                     |  |  | 10-6<br>6 contacts   |
|                                                                                     |  |  | 10-98<br>6 contacts  |
|                                                                                     |  |  | 10-7<br>7 contacts   |
| Size 12                                                                             |                                                                                     |                                                                                     |                      |
|  |  | 12-2<br>2 contacts                                                                  |                      |
|  |  | 12-3<br>3 contacts                                                                  |                      |
|  |                                                                                     | 12-4<br>3 contacts + ground                                                         |                      |
|                                                                                     |  |  | 12-8<br>8 contacts   |
|                                                                                     |  |  | 12-10<br>10 contacts |
|                                                                                     |  |  | 12-14<br>14 contacts |

■ Solder contact layouts (QPL) □ Solder contact layouts + Solder contact layouts without grommet ▲ Crimp contact layouts ● Hermetic version contact layouts ◆ PC tail contact layouts

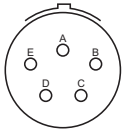
## Contact layouts

**Contact #16**  
(Ø 0.062" Ø 1.6 mm)

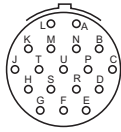
**Contact #20**  
(Ø 0.039" Ø 1.0 mm)

Mixed power

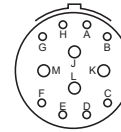
### Size 14



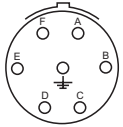
14-5  
5 contacts



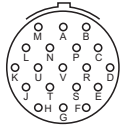
14-18  
18 contacts



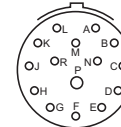
14-12  
12 contacts  
8 x #20 + 4 x #16



14-7  
6 contacts + ground

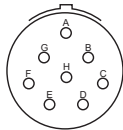


14-19  
19 contacts

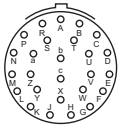


14-15  
15 contacts  
14 x #20 + 1 x #16

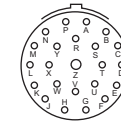
### Size 16



16-8  
8 contacts

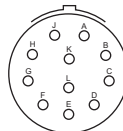


16-26  
26 contacts

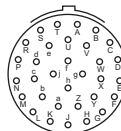


16-23  
23 contacts  
22 x #20 + 1 x #16

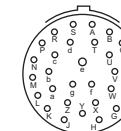
### Size 18



18-11  
11 contacts

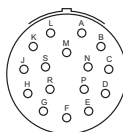


18-32  
32 contacts

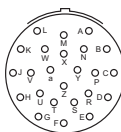


18-30  
30 contacts  
29 x #20 + 1 x #16

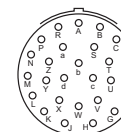
### Size 20



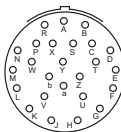
20-16  
16 contacts



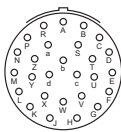
20-24  
24 contacts



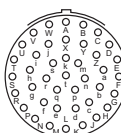
20-39  
39 contacts  
37 x #20 + 2 x #16



20-25  
25 contacts



20-27  
27 contacts  
27xØ1.0 (#20)



20-41  
41 contacts  
41xØ 1.0 (#20)

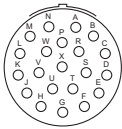
■ Solder contact layouts (QPL) □ Solder contact layouts + Solder contact layouts without grommet ▲ Crimp contact layouts ● Hermetic version contact layouts ◆ PC tail contact layouts

# Souriau 851 series

## Contact layouts

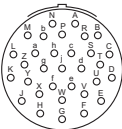
| Contact #16<br>(Ø 0.062" Ø 1.6 mm) | Contact #20<br>(Ø 0.039" Ø 1.0 mm) | Mixed power |
|------------------------------------|------------------------------------|-------------|
|------------------------------------|------------------------------------|-------------|

### Size 22



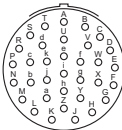
■ ▲ ◆

**22-21**  
21 contacts  
21xØ1.6 (#16)



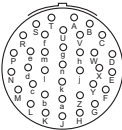
■ ▲ ◆

**22-32**  
32 contacts  
32xØ1.0 (#20)



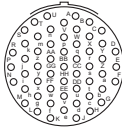
■ ▲ ◆

**22-34**  
34 contacts  
34xØ1.0 (#20)



□ ▲ ◆

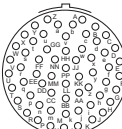
**22-36**  
36 contacts  
36xØ1.0 (#20)



■ ▲ ◆

**22-55**  
55 contacts  
55xØ1.0 (#20)

### Size 24



■ ▲ ◆

**24-61**  
61 contacts  
61xØ1.0 (#20)

## Suffix description

| Suffix      | Description                                                                                                                                                                                           | Shell plating                                                                      | Contact type    | Active area contact plating                                            | Termination area contact plating                                          | RoHS                              | Salt spray |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------|------------|
| <b>50</b>   | Cadmium version                                                                                                                                                                                       | Cadmium                                                                            | Solder or Crimp | Crimp: Gold<br>Solder:<br>- # 20: Gold<br>- # 16 & Mixed layouts: Gold | Crimp: Gold<br>Solder:<br>- # 20: Tin (1)<br>- # 16 & Mixed layout: Gold  | No                                | 48 h       |
| <b>51</b>   | Cadmium version with full gold contacts (only for # 20 contacts)                                                                                                                                      | Cadmium                                                                            | Solder          | # 20 only: Gold                                                        | # 20 only: Gold                                                           | No                                | 48 h       |
| <b>54</b>   | Black zinc nickel version                                                                                                                                                                             | Black zinc nickel                                                                  | Solder or Crimp | Crimp: Gold<br>Solder:<br>- # 20: Gold<br>- # 16 & Mixed layouts: Gold | Crimp: Gold<br>Solder:<br>- # 20: Tin (1)<br>- # 16 & Mixed layout: Gold  | Yes, except for contacts with tin | 500 h      |
| <b>57</b>   | Black zinc nickel version with full gold contacts (only for # 20 contacts)                                                                                                                            | Black zinc nickel                                                                  | Solder or Crimp | Crimp: Gold<br>Solder: Gold                                            | Crimp: Gold<br>Solder: Gold                                               | Yes                               | 500 h      |
| <b>5044</b> | Nickel version                                                                                                                                                                                        | Nickel                                                                             | Solder or Crimp | Crimp: Gold<br>Solder:<br>- # 20: Gold<br>- # 16 & Mixed layouts: Gold | Crimp: Gold<br>Solder:<br>- # 20: Tin (1)<br>- # 16 & Mixed layout: Gold  | Yes, except for contacts with tin | 48 h       |
| <b>5029</b> | Black anodized version for solder contacts (non-conductive shell)                                                                                                                                     | Black Anodized                                                                     | Solder or Crimp | - Size 20: Gold<br>- Size 16 & Mixed layouts: Gold                     | - # 20: Tin (1)<br>- # 16 & Mixed layout: Gold                            | Yes, except for contacts with tin | 48 h       |
| <b>5031</b> | Black anodized version for crimp contacts (non-conductive shell)                                                                                                                                      | Black Anodized                                                                     | Solder          | # 20 only: Gold                                                        | # 20 only: Gold                                                           | Yes                               | 48 h       |
| <b>5066</b> | Cadmium without accessories<br>Crimp: Without backshell and conical ring. Solder versions: Without Backshell, conical ring and grommet                                                                | Cadmium                                                                            | Solder or Crimp | Crimp: Gold<br>Solder:<br>- # 20: Gold<br>- # 16 & Mixed layouts: Gold | Crimp: Gold<br>Solder:<br>- # 20: Tin (1)<br>- # 16 & Mixed layout: Gold  | No                                | 48 h       |
| <b>5466</b> | Black zinc nickel without accessories<br>Crimp: Without backshell and conical ring. Solder versions: Without backshell, conical ring and grommet                                                      | Black zinc nickel                                                                  | Solder or Crimp | Crimp: Gold<br>Solder:<br>- # 20: Gold<br>- # 16 & Mixed layouts: Gold | Crimp: Gold<br>Solder:<br>- # 20: Tin (1)<br>- # 16 & Mixed layout: Gold  | Yes, except for contacts with tin | 500 h      |
| <b>5766</b> | Black zinc nickel with full gold contacts (only for # 20 contacts) and without accessories<br>Crimp: Without backshell and conical ring. Solder versions: Without backshell, conical ring and grommet | Black zinc nickel                                                                  | Solder or Crimp | # 20 only: Gold                                                        | # 20 only: Gold                                                           | Yes                               | 500 h      |
| <b>62</b>   | Gray tin-zinc                                                                                                                                                                                         | Receptacles:<br>Gray tin-zinc<br>Plugs: Gray tin-zinc+black anodized coupling ring | Solder or Crimp | Crimp: Gold<br>Solder:<br>- # 20: Gold<br>- # 16 & Mixed layouts: Gold | Crimp: Gold<br>Solder:<br>- # 20: Tin (1)<br>- # 16 & Mixed layouts: Gold | No                                | 500h       |

**Note:** (1): Exception: Gold on layouts 8-2, 8-3, 8-4 & 12-4



# Souriau 851 series

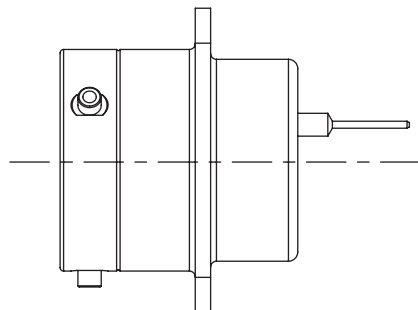
## PC tail contacts

### Suffix description

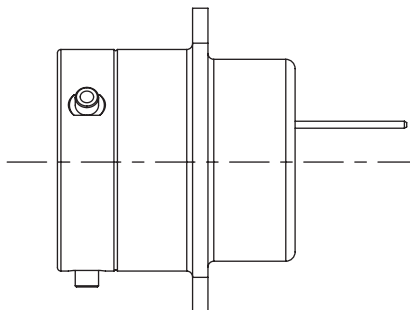
| Suffix      | Description                                                                                    | Shell plating                                                                     | Contact type           | Active area contact plating                                         | Termination area contact plating                                       | RoHS                              | Salt spray |
|-------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------|------------|
| <b>5016</b> | Cadmium version                                                                                | Cadmium                                                                           | Shouldered PC tail     | - # 20: Gold<br>- # 16 & Mixed layouts: Gold                        | - # 20: Tin (1)<br>- # 16 & Mixed layout: Gold                         | No                                | 48 h       |
| <b>5116</b> | Cadmium version with full gold contacts (only for # 20 contacts)                               | Cadmium                                                                           | Shouldered PC tail     | Gold                                                                | Gold                                                                   | No                                | 48 h       |
| <b>5416</b> | Black zinc nickel version                                                                      | Black zinc nickel                                                                 | Shouldered PC tail     | - # 20: Gold<br>- # 16 & Mixed layouts: Gold                        | - # 20: Tin (1)<br>- # 16 & Mixed layout: Gold                         | Yes, except for contacts with tin | 500 h      |
| <b>5716</b> | Black zinc nickel version with full gold contacts (only for # 20 contacts)                     | Black zinc nickel                                                                 | Shouldered PC tail     | Gold                                                                | Gold                                                                   | Yes                               | 500 h      |
| <b>5045</b> | Nickel version                                                                                 | Nickel                                                                            | Shouldered PC tail     | - # 20: Gold<br>- # 16 & Mixed layouts: Gold                        | - # 20: Tin (1)<br>- # 16 & Mixed layout: Gold                         | Yes, except for contacts with tin | 48 h       |
| <b>5145</b> | Nickel version with full gold contacts (only for # 20 contacts)                                | Nickel                                                                            | Shouldered PC tail     | Gold                                                                | Gold                                                                   | Yes                               | 48 h       |
| <b>50F9</b> | Black anodized version (non-conductive shell)                                                  | Black Anodized                                                                    | Shouldered PC tail     | - # 20: Gold<br>- # 16 & Mixed layouts: Gold                        | - # 20: Tin (1)<br>- # 16 & Mixed layout: Gold                         | Yes, except for contacts with tin | 48 h       |
| <b>51F9</b> | Black anodized version (non-conductive shell) with full gold contacts (only for # 20 contacts) | Black Anodized                                                                    | Shouldered PC tail     | Gold                                                                | Gold                                                                   | Yes                               | 48 h       |
| <b>50A7</b> | Cadmium version not shouldered PC tail                                                         | Cadmium                                                                           | Not shouldered PC tail | - # 20: Gold<br>- # 16 & Mixed layouts: Gold                        | - # 20: Tin (1)<br>- # 16 & Mixed layout: Gold                         | No                                | 48 h       |
| <b>50G9</b> | Nickel version not shouldered PC tail                                                          | Nickel                                                                            | Not shouldered PC tail | - # 20: Gold<br>- # 16 & Mixed layouts: Gold                        | - # 20: Tin (1)<br>- # 16 & Mixed layout: Gold                         | Yes, except for contacts with tin | 48 h       |
| <b>6216</b> | Gray tin-zinc                                                                                  | Receptacles: Gray tin-zinc<br>Plugs: Gray tin-zinc + black anodized coupling ring | Solder or Crimp        | Crimp: Gold<br>Solder: - # 20: Gold<br>- # 16 & Mixed layouts: Gold | Crimp: Gold<br>Solder: - # 20: Tin (1)<br>- # 16 & Mixed layouts: Gold | No                                | 500h       |

**Note:** (1): Exception: Gold on layouts 8-2, 8-3, 8-4 & 12-4

### Shouldered PC tail contacts



### Not shouldered PC tail contacts



**851 version with crimp contacts (olive green cadmium plating)****Connector with backshells**

| Souriau series        | NCF 93422<br>(model HE 301B) | MIL-DTL-26482 Series I | VG 95328         |
|-----------------------|------------------------------|------------------------|------------------|
| 851 00 R .. .. 50 ..  | HE 301 B 00 R .. .. 1A       | * MS 3120 E .. ..      | VG 95328 A .. .. |
| 851 00 RC .. .. 50 .. | HE 301 B 00 RC .. .. 1A      | * MS 3120 F .. ..      | VG 95328 B .. .. |
| 851 00 RP .. .. 50 .. | HE 301 B 00 RP .. .. 1A      | * MS 3120 P .. ..      | —                |
| 851 00 RG .. .. 50 .. | —                            | —                      | VG 95328 R .. .. |
| 851 00 RA .. .. 50 .. | HE 301 B 00 RA .. .. 1A      | —                      | —                |
| 851 01 R .. .. 50 ..  | HE 301 B 01 R .. .. 1A       | * MS 3121 E .. ..      | —                |
| 851 01 RC .. .. 50 .. | HE 301 B 01 RC .. .. 1A      | * MS 3121 F .. ..      | —                |
| 851 01 RP .. .. 50 .. | HE 301 B 01 RP .. .. 1A      | * MS 3121 P .. ..      | —                |
| 851 01 RA .. .. 50 .. | HE 301 B 01 RA .. .. 1A      | —                      | —                |
| 851 02 R .. .. 50 ..  | HE 301 B 02 R .. .. 1A       | * MS 3122 E .. ..      | VG 95328 C .. .. |
| 851 06 R .. .. 50 ..  | HE 301 B 06 R .. .. 1A       | * MS 3126 E .. ..      | —                |
| 851 06 RC .. .. 50 .. | HE 301 B 06 RC .. .. 1A      | * MS 3126 F .. ..      | VG 95328 K .. .. |
| 851 06 RP .. .. 50 .. | HE 301 B 06 RP .. .. 1A      | * MS 3126 P .. ..      | —                |
| 851 06 RT .. .. 50 .. | —                            | —                      | VG 95328 J .. .. |
| 851 06 RA .. .. 50 .. | HE 301 B 06 RA .. .. 1A      | —                      | —                |
| 851 36 RG .. .. 50 .. | —                            | —                      | VG 95328 M .. .. |
| 851 36 RA .. .. 50 .. | —                            | —                      | —                |
| 851 07 R .. .. 50 ..  | HE 301 B 07 R .. .. 1A       | * MS 3124 E .. ..      | VG 95328 D .. .. |
| 851 07 RC .. .. 50 .. | HE 301 B 07 RC .. .. 1A      | * MS 3124 F .. ..      | VG 95328 E .. .. |
| 851 07 RP .. .. 50 .. | HE 301 B 07 RP .. .. 1A      | * MS 3124 P .. ..      | —                |
| 851 07 RT .. .. 50 .. | —                            | —                      | VG 95328 S .. .. |
| 851 07 RG .. .. 50 .. | —                            | —                      | VG 95328 T .. .. |
| 851 08 RC .. .. 50 .. | HE 301 B 08 RC .. .. 1A      | —                      | —                |

Note: \* Not QPL

**851 version with crimp contacts (other plating)**

| Plating        | Souriau<br>Solder version | Crimp version   | NFC 93422<br>(model HE 301B) |
|----------------|---------------------------|-----------------|------------------------------|
| Black anodized | 851 .. .. 5029            | 851 .. .. 50031 | HE 301B .. .. 4A             |
| Nickel         | 851 .. .. 5044            | 851 .. .. 5044  | HE 301B .. .. 5A             |

# Souriau 851 series

PC tail contacts

## 851 version with solder contacts (olive green cadmium plating)

### Connector with backshells

| SOURIAU series        | NCF 93422<br>(model HE 301B) | MIL-DTL-26482 Series I | VG 95328         |
|-----------------------|------------------------------|------------------------|------------------|
| 851 00 E .. .. 50 ..  | HE 301 B 00 E .. .. 1A       | MS 3110 E .. ..        | —                |
| 851 00 EC .. .. 50 .. | HE 301 B 00 EC .. .. 1A      | MS 3110 F .. ..        | —                |
| 851 00 AC .. .. 50 .. | HE 301 B 00 AC .. .. 1A      | —                      | —                |
| 851 00 P .. .. 50 ..  | HE 301 B 00 P .. .. 1A       | MS 3110 P .. ..        | —                |
| 851 00 A .. .. 50 ..  | HE 301 B 00 A .. .. 1A       | —                      | —                |
| 851 00 J .. .. 50 ..  | HE 301 B 00 J .. .. 1A       | —                      | —                |
| 851 00 JC .. .. 50 .. | —                            | MS 3110 J .. ..        | —                |
| 851 01 E .. .. 50 ..  | HE 301 B 01 E .. .. 1A       | MS 3111 E .. ..        | —                |
| 851 01 EC .. .. 50 .. | HE 301 B 01 EC .. .. 1A      | MS 3111 F .. ..        | —                |
| 851 01 AC .. .. 50 .. | HE 301 B 01 AC .. .. 1A      | —                      | —                |
| 851 01 P .. .. 50 ..  | HE 301 B 01 P .. .. 1A       | MS 3111 P .. ..        | —                |
| 851 01 A .. .. 50 ..  | HE 301 B 01 A .. .. 1A       | —                      | —                |
| 851 01 J .. .. 50 ..  | HE 301 B 01 J .. .. 1A       | —                      | —                |
| 851 01 JC .. .. 50 .. | —                            | MS 3111 J .. ..        | —                |
| 851 02 E .. .. 50 ..  | HE 301 B 02 E .. .. 1A       | MS 3112 E .. ..        | VG 95328 H .. .. |
| 851 06 E .. .. 50 ..  | HE 301 B 06 E .. .. 1A       | MS 3116 E .. ..        | —                |
| 851 06 EC .. .. 50 .. | HE 301 B 06 EC .. .. 1A      | MS 3116 F .. ..        | —                |
| 851 06 AC .. .. 50 .. | HE 301 B 06 AC .. .. 1A      | —                      | —                |
| 851 06 P .. .. 50 ..  | HE 301 B 06 P .. .. 1A       | MS 3116 P .. ..        | —                |
| 851 06 A .. .. 50 ..  | HE 301 B 06 A .. .. 1A       | —                      | —                |
| 851 06 J .. .. 50 ..  | HE 301 B 06 J .. .. 1A       | —                      | —                |
| 851 06 JC .. .. 50 .. | —                            | MS 3116 J .. ..        | —                |
| 851 08 EC .. .. 50 .. | HE 301 B 08 EC .. .. 1A      | —                      | —                |
| 851 08 P .. .. 50 ..  | HE 301 B 08 P .. .. 1A       | —                      | —                |
| 851 07 E .. .. 50 ..  | HE 301 B 07 E .. .. 1A       | MS 3114 E .. ..        | —                |
| 851 07 EC .. .. 50 .. | HE 301 B 07 EC .. .. 1A      | MS 3114 F .. ..        | —                |
| 851 07 AC .. .. 50 .. | HE 301 B 07 AC .. .. 1A      | —                      | —                |
| 851 07 P .. .. 50 ..  | HE 301 B 07 P .. .. 1A       | MS 3114 P .. ..        | —                |

## 851 hermetic version

| Souriau series      | NFC 93422<br>(model HE 301B) | MIL-DTL-26482 Series I | VG 95328         |
|---------------------|------------------------------|------------------------|------------------|
| 851 02 H .. .. P.50 | HE 301 B 02 H .. .. P.3A     |                        |                  |
| 851 07 H .. .. P.50 | HE 301 B 07 H .. .. P.3A     | * MS 3114 H .. .. P.   | VG 95328 F .. .. |
| 851 1 H .. .. P.50  | HE 301 B 1 H .. .. P.3A      | * MS 3113 H .. .. P.   | VG 95328 G .. .. |

Note: \* Not QPL



## Technical specifications

### Materials

#### Shell

- Environmental version
  - Aluminum alloy
- Plating
  - Olive green cadmium
  - Black anodized
  - Black zinc nickel
  - Nickel
  - Gray tin-zinc

#### Backshells

Aluminum alloy

#### Cable glands

Thermoplastic

#### Coupling ring

Aluminum alloy

#### Spring washer

Spring stainless steel

#### Insert

Elastomeric soft neoprene

RoHS compliant and conforms to the Chinese standard SJ/T1166-2006 (Chinese RoHS equivalent)

### Mechanical

#### Durability

500 mating cycles, in accordance with MIL-DTL-26482

#### Mechanical shock

50 g, 11 ms period per EIA-364-27

### Electrical

#### Dielectric withstanding voltage

- Mated and unmated connectors at standard pressure:
  - 1500 Vrms between size 20 contacts (service 1)
  - 2300 Vrms between size 16 contacts (service 2)
  - 1500 Vrms between mixed size 20 and 16 contacts (service 1)
- Mated and unmated connectors at reduce pressure, 10 mbar:
  - 200 Vrms between size 20 contacts (service 1)
  - 300 Vrms between size 16 contacts (service 2)

#### Insulation resistance

$\geq 5000 \text{ M}\Omega$  under 500 Vcc

#### Current rating per contact

- Standard version
  - Size 20 = 7.5 A
  - Size 16 = 13 A
- Hermetic version
  - Size 20 = 5 A
  - Size 16 = 10 A

#### Contact resistance

- Environmental version
  - Size 20  $\leq 4 \text{ m}\Omega$
  - Size 16  $\leq 3 \text{ m}\Omega$
- Hermetic version
  - Size 20  $\leq 30 \text{ m}\Omega$
  - Size 16  $\leq 14 \text{ m}\Omega$
- Shielding effectiveness
  - 70 dB to 5 MHz
  - 40 dB to 100 MHz

### Environmental

#### Operating temperature

From  $-55^\circ\text{C}$  to  $+125^\circ\text{C}$

#### Flammability rating

UL94 HB

#### Dynamic salt spray according to EIA-364-26:

- Cadmium, nickel, zinc-cobalt : 48h
- Black anodized : 500h

#### Static salt spray :

- Black zinc-nickel : 500h
- Gray tin-zinc : 500h

#### Sealing

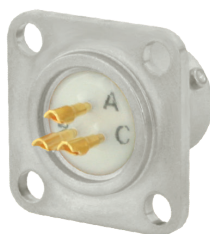
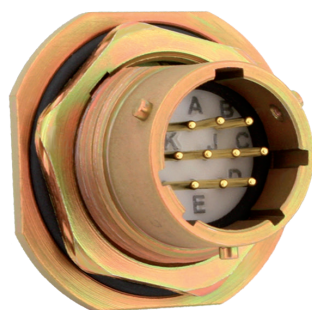
- Globally IP65 (unmated conditions)
- With J or JC backshell IP67 (mated conditions)
- With cable gland IP68 (mated conditions)
- Crimp contact version, 1 bar differential pressure, leakage =  $8 \text{ cm}^3/\text{hr}$
- Solder contact version, 2 bar differential pressure, leakage =  $16 \text{ cm}^3/\text{hr}$

#### Fluid resistance

- According to MIL-DTL-26482 Series I and NFC 93422 - HE 301 B Code A
- Hydraulic fluids
- Lubricating oil

# Souriau 851 series

Hermetic versions



## Technical specifications

### Materials

#### Shell

- Steel

#### Plating

- Iridescent yellow cadmium
- Nickel

#### Contact:

- Gold plated ferrous alloy

#### Seal

- Fluorocarbon elastomer

### Electrical

#### Max current rating per contact:

- Contact size 20 rating (A) = 5
- Contact size 16 rating (A) = 10

#### Dielectric withstanding voltage:

- **Service I**
  - Standard pressure 1 500 Vrms
  - 10 mbar pressure 200 Vrms
- **Service II**
  - Standard pressure 2 300 Vrms
  - 10 mbar pressure 300 Vrms
- **Contact resistance**
  - Size 20  $\leq 30 \text{ m}\Omega$
  - Size 16  $\leq 14 \text{ m}\Omega$
- **Shielding**
  - 70 dB to 5 MHz
  - 40 dB to 100 MHz

### Environmental

#### Operating temperature

- $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

#### Hermeticity

- 1 bar differential pressure, leakage  $\leq 2.8 \text{ mm}^3/\text{hr}$

#### Salt spray

- 48 hours min

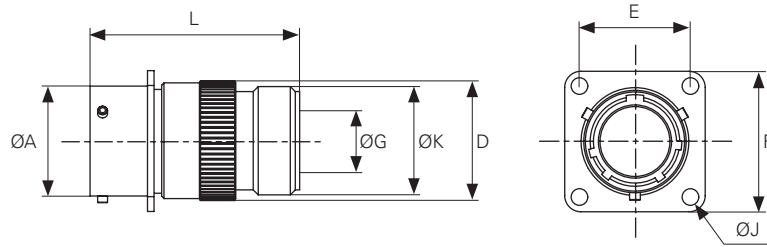
#### Chemical resistance

- According to MIL-DTL-26482 Series I

#### Damp heat

- 21 days

## Square flange receptacle with straight adaptor



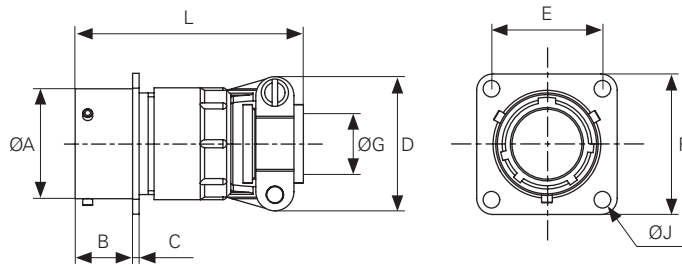
## Cross reference

00 A HE 301 B 00 A

00 RA HE 301 B 00 RA

| Shell size | Part numbers<br>solder contacts | crimp contacts            | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | E                | F<br>max         | Ø G<br>max       | Ø J             | K<br>threading<br>UNEF 2A |
|------------|---------------------------------|---------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|-----------------|---------------------------|
| 8          | 851 00 A 8.. P S . 50..         | 851 00 RA 8.. P S . 50..  | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.570<br>(14.50) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.358<br>(9.10)  | 0.123<br>(3.13) | 1/2 18                    |
| 10         | 851 00 A 10.. P S . 50..        | 851 00 RA 10.. P S . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.736<br>(18.70) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.475<br>(12.08) | 0.123<br>(3.13) | 5/8 24                    |
| 12         | 851 00 A 12.. P S . 50..        | 851 00 RA 12.. P S . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.854<br>(21.70) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.600<br>(15.25) | 0.123<br>(3.13) | 3/4 20                    |
| 14         | 851 00 A 14.. P S . 50..        | 851 00 RA 14.. P S . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.988<br>(25.10) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.714<br>(18.15) | 0.123<br>(3.13) | 7/8 20                    |
| 16         | 851 00 A 16.. P S . 50..        | 851 00 RA 16.. P S . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.107<br>(28.13) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.839<br>(21.32) | 0.123<br>(3.13) | 1-20                      |
| 18         | 851 00 A 18.. P S . 50..        | 851 00 RA 18.. P S . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.235<br>(31.38) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.957<br>(24.32) | 0.123<br>(3.13) | 1-3/16 18                 |
| 20         | 851 00 A 20.. P S . 50..        | 851 00 RA 20.. P S . 50.. | 1.732<br>(44.00) | 1.732<br>(44.00) | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.350<br>(34.30) | 1.156<br>(29.36) | 1.452<br>(36.89) | 1.052<br>(26.73) | 0.123<br>(3.13) | 1-3/16 18                 |
| 22         | 851 00 A 22.. P S . 50..        | 851 00 RA 22.. P S . 50.. | 1.732<br>(44.00) | 1.732<br>(44.00) | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.480<br>(37.60) | 1.250<br>(31.75) | 1.574<br>(39.99) | 1.207<br>(30.67) | 0.123<br>(3.13) | 1-7/16 18                 |
| 24         | 851 00 A 24.. P S . 50..        | 851 00 RA 24.. P S . 50.. | 1.732<br>(44.00) | 1.732<br>(44.00) | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.602<br>(40.70) | 1.374<br>(34.92) | 1.698<br>(43.15) | 1.302<br>(33.08) | 0.150<br>(3.81) | 1-7/16 18                 |

## Square flange receptacle with straight cable clamp



## Cross reference

00 EC HE 301 B 00 EC

MS 3110 F

00 AC HE 301 B 00 AC

HE 301 B 00 RC

00 RC MS 3120 F

VG 95328 B

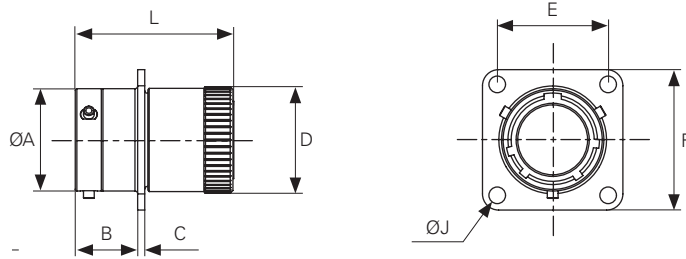
| Shell size | Part numbers<br>solder contacts | crimp contacts            | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | E                | F<br>max         | Ø G<br>max       | Ø J             |
|------------|---------------------------------|---------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|-----------------|
| 8          | 851 00 EC AC 8.. P S . 50..     | 851 00 RC 8.. P S . 50..  | 1.889<br>(48.00) | 1.862<br>(47.30) | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.531<br>(13.50) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.137<br>(3.50)  | 0.123<br>(3.13) |
| 10         | 851 00 EC AC 10.. P S . 50..    | 851 00 RC 10.. P S . 50.. | 1.889<br>(48.00) | 1.862<br>(47.30) | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.657<br>(16.70) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.196<br>(5.00)  | 0.123<br>(3.13) |
| 12         | 851 00 EC AC 12.. P S . 50..    | 851 00 RC 12.. P S . 50.. | 1.889<br>(48.00) | 1.862<br>(47.30) | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.783<br>(19.90) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.322<br>(8.20)  | 0.123<br>(3.13) |
| 14         | 851 00 EC AC 14.. P S . 50..    | 851 00 RC 14.. P S . 50.. | 1.889<br>(48.00) | 1.862<br>(47.30) | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.921<br>(23.40) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.393<br>(10.00) | 0.123<br>(3.13) |
| 16         | 851 00 EC AC 16.. P S . 50..    | 851 00 RC 16.. P S . 50.. | 2.007<br>(51.00) | 1.988<br>(50.50) | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.047<br>(26.60) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.511<br>(13.00) | 0.123<br>(3.13) |
| 18         | 851 00 EC AC 18.. P S . 50..    | 851 00 RC 18.. P S . 50.. | 2.007<br>(51.00) | 1.988<br>(50.50) | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.161<br>(29.50) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.629<br>(16.00) | 0.123<br>(3.13) |
| 20         | 851 00 EC AC 20.. P S . 50..    | 851 00 RC 20.. P S . 50.. | 2.086<br>(53.00) | 2.027<br>(51.50) | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.287<br>(32.70) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.629<br>(16.00) | 0.123<br>(3.13) |
| 22         | 851 00 EC AC 22.. P S . 50..    | 851 00 RC 22.. P S . 50.. | 2.086<br>(53.00) | 2.027<br>(51.50) | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.417<br>(36.00) | 1.250<br>(31.75) | 1.574<br>(39.99) | 0.759<br>(19.30) | 0.123<br>(3.13) |
| 24         | 851 00 EC AC 24.. P S . 50..    | 851 00 RC 24.. P S . 50.. | 2.086<br>(53.00) | 2.027<br>(51.50) | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.539<br>(39.10) | 1.374<br>(34.92) | 1.698<br>(43.15) | 0.811<br>(20.60) | 0.150<br>(3.81) |

Dimensions are in inches (millimeters)

# Souriau 851 series

Hermetic versions

## Square flange receptacle with straight adaptor

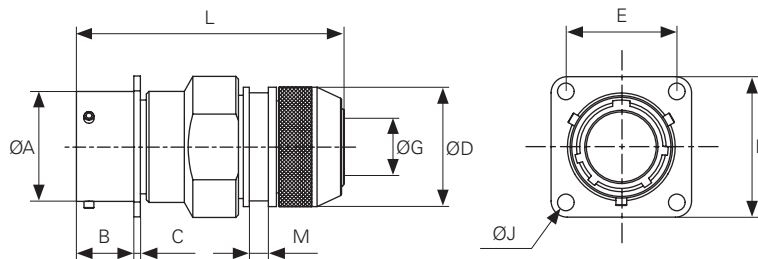


### Cross reference

|             |               |
|-------------|---------------|
| <b>00 E</b> | HE 301 B 00 E |
|             | MS 3110 E     |
| <b>00 R</b> | HE 301 B 00 R |
|             | MS 3120 E     |
|             | VG 95328 A    |

| Shell size | Part numbers<br>solder contacts               | crimp contacts                                | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | E                | F max            | Ø J             |
|------------|-----------------------------------------------|-----------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-----------------|
| 8          | <b>851 00 E 8..</b> $\frac{P}{S} \cdot 50..$  | <b>851 00 R 8..</b> $\frac{P}{S} \cdot 50..$  | 1.287<br>(32.70) | 1.259<br>(32.00) | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.531<br>(13.50) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.123<br>(3.13) |
| 10         | <b>851 00 E 10..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 R 10..</b> $\frac{P}{S} \cdot 50..$ | 1.287<br>(32.70) | 1.259<br>(32.00) | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.657<br>(16.70) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.123<br>(3.13) |
| 12         | <b>851 00 E 12..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 R 12..</b> $\frac{P}{S} \cdot 50..$ | 1.287<br>(32.70) | 1.259<br>(32.00) | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.783<br>(19.90) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.123<br>(3.13) |
| 14         | <b>851 00 E 14..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 R 14..</b> $\frac{P}{S} \cdot 50..$ | 1.287<br>(32.70) | 1.259<br>(32.00) | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.921<br>(23.40) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.123<br>(3.13) |
| 16         | <b>851 00 E 16..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 R 16..</b> $\frac{P}{S} \cdot 50..$ | 1.287<br>(32.70) | 1.259<br>(32.00) | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.047<br>(26.60) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.123<br>(3.13) |
| 18         | <b>851 00 E 18..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 R 18..</b> $\frac{P}{S} \cdot 50..$ | 1.287<br>(32.70) | 1.259<br>(32.00) | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.161<br>(29.50) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.123<br>(3.13) |
| 20         | <b>851 00 E 20..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 R 20..</b> $\frac{P}{S} \cdot 50..$ | 1.358<br>(34.50) | 1.315<br>(33.40) | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.287<br>(32.70) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.123<br>(3.13) |
| 22         | <b>851 00 E 22..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 R 22..</b> $\frac{P}{S} \cdot 50..$ | 1.358<br>(34.50) | 1.315<br>(33.40) | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.417<br>(36.00) | 1.250<br>(31.75) | 1.574<br>(39.99) | 0.123<br>(3.13) |
| 24         | <b>851 00 E 24..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 R 24..</b> $\frac{P}{S} \cdot 50..$ | 1.358<br>(34.50) | 1.315<br>(33.40) | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.539<br>(39.10) | 1.374<br>(34.92) | 1.698<br>(43.15) | 0.150<br>(3.81) |

## Square flange receptacle with removable straight backshell for screen termination and heatshrink sleeving



### Cross reference

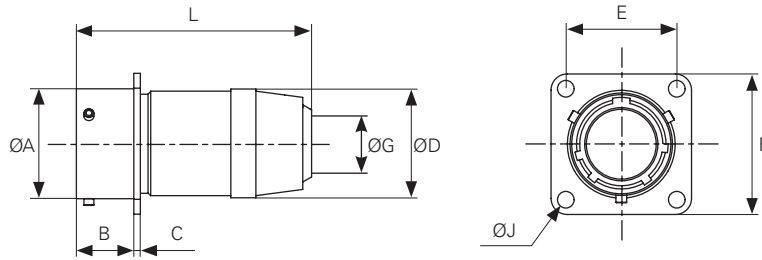
|              |            |
|--------------|------------|
| <b>00 G</b>  |            |
| <b>00 RG</b> | VG 95328 R |

| Shell size | Part numbers<br>solder contacts                   | crimp contacts                                 | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | E                | F max            | Ø G max          | Ø J             | M max           |
|------------|---------------------------------------------------|------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|-----------------|-----------------|
| 8          | <b>851 00 EC Ac 8..</b> $\frac{P}{S} \cdot 50..$  | <b>851 00 RC 8..</b> $\frac{P}{S} \cdot 50..$  | 2.126<br>(54.00) | 2.126<br>(54.00) | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.641<br>(16.30) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.293<br>(7.45)  | 0.123<br>(3.13) | 0.141<br>(3.60) |
| 10         | <b>851 00 EC Ac 10..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 RC 10..</b> $\frac{P}{S} \cdot 50..$ | 2.126<br>(54.00) | 2.126<br>(54.00) | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.720<br>(18.30) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.405<br>(10.30) | 0.123<br>(3.13) | 0.141<br>(3.60) |
| 12         | <b>851 00 EC Ac 12..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 RC 12..</b> $\frac{P}{S} \cdot 50..$ | 2.126<br>(54.00) | 2.126<br>(54.00) | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.878<br>(22.30) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.519<br>(13.20) | 0.123<br>(3.13) | 0.141<br>(3.60) |
| 14         | <b>851 00 EC Ac 14..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 RC 14..</b> $\frac{P}{S} \cdot 50..$ | 2.126<br>(54.00) | 2.126<br>(54.00) | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.996<br>(25.30) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.649<br>(16.50) | 0.123<br>(3.13) | 0.141<br>(3.60) |
| 16         | <b>851 00 EC Ac 16..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 RC 16..</b> $\frac{P}{S} \cdot 50..$ | 2.126<br>(54.00) | 2.126<br>(54.00) | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.114<br>(28.30) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.761<br>(19.35) | 0.123<br>(3.13) | 0.141<br>(3.60) |
| 18         | <b>851 00 EC Ac 18..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 RC 18..</b> $\frac{P}{S} \cdot 50..$ | 2.126<br>(54.00) | 2.126<br>(54.00) | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.271<br>(32.30) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.850<br>(21.60) | 0.123<br>(3.13) | 0.141<br>(3.60) |
| 20         | <b>851 00 EC Ac 20..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 RC 20..</b> $\frac{P}{S} \cdot 50..$ | 2.334<br>(59.30) | 2.334<br>(59.30) | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.350<br>(34.30) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.976<br>(24.80) | 0.123<br>(3.13) | 0.141<br>(3.60) |
| 22         | <b>851 00 EC Ac 22..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 RC 22..</b> $\frac{P}{S} \cdot 50..$ | 2.334<br>(59.30) | 2.334<br>(59.30) | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.507<br>(38.30) | 1.250<br>(31.75) | 1.574<br>(39.99) | 1.098<br>(27.90) | 0.123<br>(3.13) | 0.141<br>(3.60) |
| 24         | <b>851 00 EC Ac 24..</b> $\frac{P}{S} \cdot 50..$ | <b>851 00 RC 24..</b> $\frac{P}{S} \cdot 50..$ | 2.334<br>(59.30) | 2.334<br>(59.30) | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.626<br>(41.30) | 1.374<br>(34.92) | 1.698<br>(43.15) | 1.220<br>(31.00) | 0.150<br>(3.81) | 0.141<br>(3.60) |

Dimensions are in inches (millimeters)



## Square flange receptacle with straight sealing gland backshell

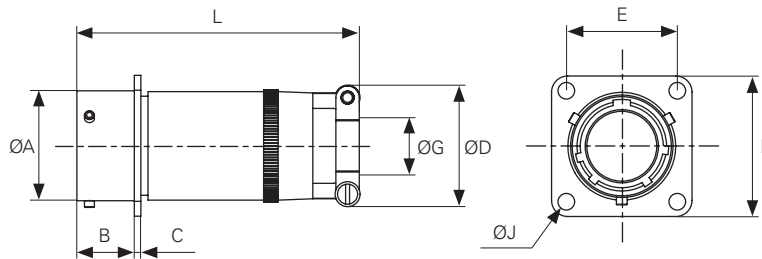


## Cross reference

|      |              |
|------|--------------|
| 00 J | HE 301 B 00J |
|------|--------------|

| Shell size | Part numbers<br>solder contacts | crimp contacts | L max<br>solder  | crimp | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | E                | F<br>max         | Ø G<br>min       | max              | Ø J             |
|------------|---------------------------------|----------------|------------------|-------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 8          | 851 00 J 8.. P<br>s . 50..      | —              | 1.614<br>(41.00) | —     | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.567<br>(14.40) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.197<br>(5.02)  | 0.230<br>(5.84)  | 0.123<br>(3.13) |
| 10         | 851 00 J 10.. P<br>s . 50..     | —              | 1.614<br>(41.00) | —     | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.693<br>(17.60) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.233<br>(5.94)  | 0.266<br>(6.76)  | 0.123<br>(3.13) |
| 12         | 851 00 J 12.. P<br>s . 50..     | —              | 1.614<br>(41.00) | —     | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.830<br>(21.10) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.367<br>(9.34)  | 0.400<br>(10.16) | 0.123<br>(3.13) |
| 14         | 851 00 J 14.. P<br>s . 50..     | —              | 1.614<br>(41.00) | —     | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.960<br>(24.40) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.445<br>(11.32) | 0.478<br>(12.14) | 0.123<br>(3.13) |
| 16         | 851 00 J 16.. P<br>s . 50..     | —              | 1.614<br>(41.00) | —     | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.086<br>(27.60) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.578<br>(14.73) | 0.612<br>(15.55) | 0.123<br>(3.13) |
| 18         | 851 00 J 18.. P<br>s . 50..     | —              | 1.614<br>(41.00) | —     | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.212<br>(30.80) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.629<br>(16.00) | 0.662<br>(16.82) | 0.123<br>(3.13) |
| 20         | 851 00 J 20.. P<br>s . 50..     | —              | 1.732<br>(44.00) | —     | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.342<br>(34.10) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.665<br>(16.89) | 0.696<br>(17.70) | 0.123<br>(3.13) |
| 22         | 851 00 J 22.. P<br>s . 50..     | —              | 1.732<br>(44.00) | —     | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.468<br>(37.30) | 1.250<br>(31.75) | 1.574<br>(39.99) | 0.700<br>(17.78) | 0.732<br>(18.60) | 0.123<br>(3.13) |
| 24         | 851 00 J 24.. P<br>s . 50..     | —              | 1.732<br>(44.00) | —     | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.594<br>(40.50) | 1.374<br>(34.92) | 1.698<br>(43.15) | 0.800<br>(20.34) | 0.833<br>(21.16) | 0.150<br>(3.81) |

## Square flange receptacle with straight sealing gland and cable clamp



## Cross reference

|       |           |
|-------|-----------|
| 00 JC | MS 3110 J |
|-------|-----------|

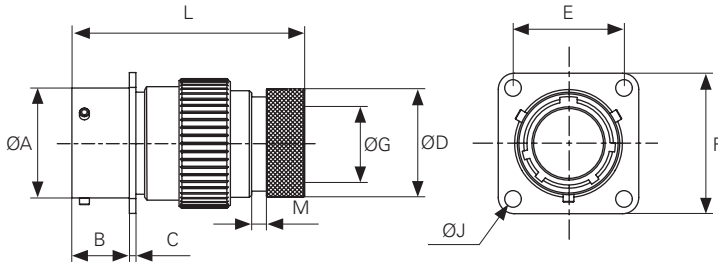
| Shell size | Part numbers<br>solder contacts | crimp contacts | L max<br>solder   | crimp | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | E                | F<br>max         | Ø G<br>min       | max              | Ø J             |
|------------|---------------------------------|----------------|-------------------|-------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 8          | 851 00 JC 8.. P<br>s . 50..     | —              | 2.270<br>(57.68)  | —     | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.783<br>(19.90) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.197<br>(5.02)  | 0.230<br>(5.84)  | 0.123<br>(3.13) |
| 10         | 851 00 JC 10.. P<br>s . 50..    | —              | 2.270<br>(57.68)  | —     | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.846<br>(21.50) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.233<br>(5.94)  | 0.266<br>(6.76)  | 0.123<br>(3.13) |
| 12         | 851 00 JC 12.. P<br>s . 50..    | —              | 2.411<br>(61.24)  | —     | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.984<br>(25.00) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.367<br>(9.34)  | 0.400<br>(10.16) | 0.123<br>(3.13) |
| 14         | 851 00 JC 14.. P<br>s . 50..    | —              | 2.598<br>(66.01)  | —     | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.094<br>(27.80) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.445<br>(11.32) | 0.478<br>(12.14) | 0.123<br>(3.13) |
| 16         | 851 00 JC 16.. P<br>s . 50..    | —              | 2.943<br>(74.75)  | —     | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.157<br>(29.40) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.578<br>(14.73) | 0.612<br>(15.55) | 0.123<br>(3.13) |
| 18         | 851 00 JC 18.. P<br>s . 50..    | —              | 3.172<br>(80.57)  | —     | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.389<br>(35.30) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.629<br>(16.00) | 0.662<br>(16.82) | 0.123<br>(3.13) |
| 20         | 851 00 JC 20.. P<br>s . 50..    | —              | 3.609<br>(91.69)  | —     | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.389<br>(35.30) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.665<br>(16.89) | 0.696<br>(17.70) | 0.123<br>(3.13) |
| 22         | 851 00 JC 22.. P<br>s . 50..    | —              | 3.766<br>(95.66)  | —     | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.618<br>(41.10) | 1.250<br>(31.75) | 1.574<br>(39.99) | 0.700<br>(17.78) | 0.732<br>(18.60) | 0.123<br>(3.13) |
| 24         | 851 00 JC 24.. P<br>s . 50..    | —              | 3.985<br>(101.22) | —     | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.669<br>(42.40) | 1.374<br>(34.92) | 1.698<br>(43.15) | 0.800<br>(20.34) | 0.833<br>(21.16) | 0.150<br>(3.81) |

Dimensions are in inches (millimeters)

# Souriau 851 series

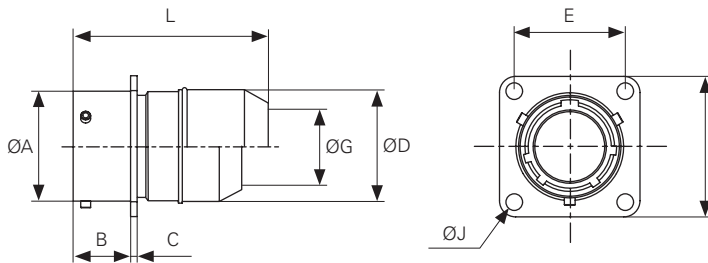
Hermetic versions

## Square flange receptacle with removable straight backshell for heatshrink sleeving



| Shell size | Part numbers<br>solder contacts        | crimp contacts                          | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | E                | F max            | Ø G max          | Ø J             | M max           |
|------------|----------------------------------------|-----------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|-----------------|-----------------|
| 8          | 851 00 M 8.. $\frac{P}{s} \cdot 50..$  | 851 00 RM 8.. $\frac{P}{s} \cdot 50..$  | 1.668<br>(50.00) | 1.668<br>(50.00) | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.533<br>(13.55) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.277<br>(7.05)  | 0.123<br>(3.13) | 0.137<br>(3.50) |
| 10         | 851 00 M 10.. $\frac{P}{s} \cdot 50..$ | 851 00 RM 10.. $\frac{P}{s} \cdot 50..$ | 1.668<br>(50.00) | 1.668<br>(50.00) | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.604<br>(15.35) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.389<br>(9.90)  | 0.123<br>(3.13) | 0.137<br>(3.50) |
| 12         | 851 00 M 12.. $\frac{P}{s} \cdot 50..$ | 851 00 RM 12.. $\frac{P}{s} \cdot 50..$ | 1.668<br>(50.00) | 1.668<br>(50.00) | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.766<br>(19.48) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.496<br>(12.60) | 0.123<br>(3.13) | 0.137<br>(3.50) |
| 14         | 851 00 M 14.. $\frac{P}{s} \cdot 50..$ | 851 00 RM 14.. $\frac{P}{s} \cdot 50..$ | 1.668<br>(50.00) | 1.668<br>(50.00) | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.838<br>(21.30) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.626<br>(15.90) | 0.123<br>(3.13) | 0.137<br>(3.50) |
| 16         | 851 00 M 16.. $\frac{P}{s} \cdot 50..$ | 851 00 RM 16.. $\frac{P}{s} \cdot 50..$ | 1.668<br>(50.00) | 1.668<br>(50.00) | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.964<br>(24.50) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.746<br>(18.95) | 0.123<br>(3.13) | 0.137<br>(3.50) |
| 18         | 851 00 M 18.. $\frac{P}{s} \cdot 50..$ | 851 00 RM 18.. $\frac{P}{s} \cdot 50..$ | 1.668<br>(50.00) | 1.668<br>(50.00) | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.041<br>(26.45) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.822<br>(20.90) | 0.123<br>(3.13) | 0.137<br>(3.50) |
| 20         | 851 00 M 20.. $\frac{P}{s} \cdot 50..$ | 851 00 RM 20.. $\frac{P}{s} \cdot 50..$ | 2.098<br>(53.30) | 2.098<br>(53.30) | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.209<br>(30.73) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.933<br>(23.70) | 0.123<br>(3.13) | 0.137<br>(3.50) |
| 22         | 851 00 M 22.. $\frac{P}{s} \cdot 50..$ | 851 00 RM 22.. $\frac{P}{s} \cdot 50..$ | 2.098<br>(53.30) | 2.098<br>(53.30) | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.348<br>(34.24) | 1.250<br>(31.75) | 1.574<br>(39.99) | 1.047<br>(26.60) | 0.123<br>(3.13) | 0.137<br>(3.50) |
| 24         | 851 00 M 24.. $\frac{P}{s} \cdot 50..$ | 851 00 RM 24.. $\frac{P}{s} \cdot 50..$ | 2.098<br>(53.30) | 2.098<br>(53.30) | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.435<br>(36.47) | 1.374<br>(34.92) | 1.698<br>(43.15) | 1.153<br>(29.30) | 0.150<br>(3.81) | 0.137<br>(3.50) |

## Square flange receptacle with straight backshell for potting



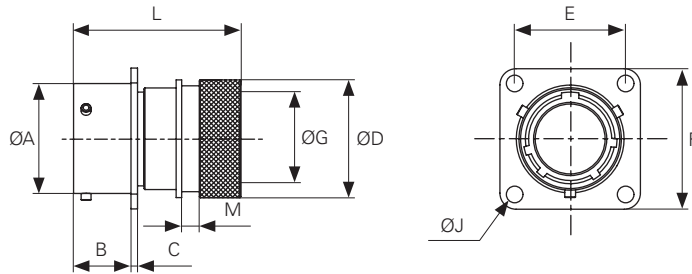
### Cross reference

|       |                |
|-------|----------------|
| 00 P  | HE 301 B 00 P  |
|       | MS 3110 P      |
| 00 RP | HE 301 B 00 RP |
|       | MS 3120 P      |

| Shell size | Part numbers<br>solder contacts        | crimp contacts                          | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | E                | F max            | Ø G max          | Ø J             |
|------------|----------------------------------------|-----------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|-----------------|
| 8          | 851 00 P 8.. $\frac{P}{s} \cdot 50..$  | 851 00 RP 8.. $\frac{P}{s} \cdot 50..$  | 1.425<br>(36.20) | 1.641<br>(41.70) | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.604<br>(15.34) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.411<br>(10.46) | 0.123<br>(3.13) |
| 10         | 851 00 P 10.. $\frac{P}{s} \cdot 50..$ | 851 00 RP 10.. $\frac{P}{s} \cdot 50..$ | 1.425<br>(36.20) | 1.641<br>(41.70) | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.696<br>(17.70) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.533<br>(13.55) | 0.123<br>(3.13) |
| 12         | 851 00 P 12.. $\frac{P}{s} \cdot 50..$ | 851 00 RP 12.. $\frac{P}{s} \cdot 50..$ | 1.425<br>(36.20) | 1.641<br>(41.70) | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.854<br>(21.69) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.549<br>(13.96) | 0.123<br>(3.13) |
| 14         | 851 00 P 14.. $\frac{P}{s} \cdot 50..$ | 851 00 RP 14.. $\frac{P}{s} \cdot 50..$ | 1.425<br>(36.20) | 1.641<br>(41.70) | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.940<br>(23.90) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.685<br>(17.42) | 0.123<br>(3.13) |
| 16         | 851 00 P 16.. $\frac{P}{s} \cdot 50..$ | 851 00 RP 16.. $\frac{P}{s} \cdot 50..$ | 1.425<br>(36.20) | 1.641<br>(41.70) | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.063<br>(27.00) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.809<br>(20.56) | 0.123<br>(3.13) |
| 18         | 851 00 P 18.. $\frac{P}{s} \cdot 50..$ | 851 00 RP 18.. $\frac{P}{s} \cdot 50..$ | 1.453<br>(36.91) | 1.750<br>(44.46) | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.200<br>(30.50) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.931<br>(23.66) | 0.123<br>(3.13) |
| 20         | 851 00 P 20.. $\frac{P}{s} \cdot 50..$ | 851 00 RP 20.. $\frac{P}{s} \cdot 50..$ | 1.724<br>(43.80) | 2.005<br>(50.93) | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.324<br>(33.65) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.941<br>(23.92) | 0.123<br>(3.13) |
| 22         | 851 00 P 22.. $\frac{P}{s} \cdot 50..$ | 851 00 RP 22.. $\frac{P}{s} \cdot 50..$ | 1.724<br>(43.80) | 2.005<br>(50.93) | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.460<br>(37.10) | 1.250<br>(31.75) | 1.574<br>(39.99) | 1.004<br>(25.52) | 0.123<br>(3.13) |
| 24         | 851 00 P 24.. $\frac{P}{s} \cdot 50..$ | 851 00 RP 24.. $\frac{P}{s} \cdot 50..$ | 1.724<br>(43.80) | 2.023<br>(51.40) | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.574<br>(40.00) | 1.374<br>(34.92) | 1.698<br>(43.15) | 1.259<br>(32.00) | 0.150<br>(3.81) |

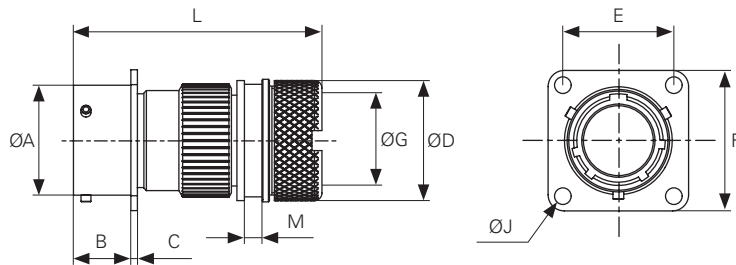
Dimensions are in inches (millimeters)

## Square flange receptacle with straight backshell for heatshrink sleeving



| Shell size | Part numbers<br>solder contacts | crimp contacts            | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | E                | F<br>max         | Ø G Max<br>Solder | crimp            | Ø J             | M<br>max        |
|------------|---------------------------------|---------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-------------------|------------------|-----------------|-----------------|
| 8          | 851 00 T 8.. P s . 50..         | 851 00 RT 8.. P s . 50..  | 1.444<br>(36.70) | 1.417<br>(36.00) | 0.473<br>(12.03) | 0.460<br>(11.70) | 0.051<br>(1.32) | 0.604<br>(15.35) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.283<br>(7.20)   | 0.263<br>(6.70)  | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 10         | 851 00 T 10.. P s . 50..        | 851 00 RT 10.. P s . 50.. | 1.444<br>(36.70) | 1.417<br>(36.00) | 0.590<br>(15.01) | 0.460<br>(11.70) | 0.051<br>(1.32) | 0.714<br>(18.15) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.401<br>(10.20)  | 0.370<br>(9.40)  | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 12         | 851 00 T 12.. P s . 50..        | 851 00 RT 12.. P s . 50.. | 1.444<br>(36.70) | 1.417<br>(36.00) | 0.750<br>(19.07) | 0.460<br>(11.70) | 0.051<br>(1.32) | 0.923<br>(23.45) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.519<br>(13.20)  | 0.460<br>(11.95) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 14         | 851 00 T 14.. P s . 50..        | 851 00 RT 14.. P s . 50.. | 1.444<br>(36.70) | 1.417<br>(36.00) | 0.876<br>(22.25) | 0.460<br>(11.70) | 0.051<br>(1.32) | 0.954<br>(24.25) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.633<br>(16.10)  | 0.596<br>(15.15) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 16         | 851 00 T 16.. P s . 50..        | 851 00 RT 16.. P s . 50.. | 1.535<br>(39.00) | 1.507<br>(38.30) | 1.000<br>(25.42) | 0.460<br>(11.70) | 0.051<br>(1.32) | 1.163<br>(29.55) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.757<br>(19.25)  | 0.710<br>(18.05) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 18         | 851 00 T 18.. P s . 50..        | 851 00 RT 18.. P s . 50.. | 1.535<br>(39.00) | 1.507<br>(38.30) | 1.126<br>(28.60) | 0.460<br>(11.70) | 0.051<br>(1.32) | 1.250<br>(31.75) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.838<br>(21.30)  | 0.785<br>(19.95) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 20         | 851 00 T 20.. P s . 50..        | 851 00 RT 20.. P s . 50.. | 1.783<br>(45.30) | 1.740<br>(44.20) | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.411<br>(35.85) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.960<br>(24.40)  | 0.907<br>(23.05) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 22         | 851 00 T 22.. P s . 50..        | 851 00 RT 22.. P s . 50.. | 1.783<br>(45.30) | 1.740<br>(44.20) | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.503<br>(38.20) | 1.250<br>(31.75) | 1.574<br>(39.99) | 1.082<br>(27.50)  | 1.006<br>(25.55) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 24         | 851 00 T 24.. P s . 50..        | 851 00 RT 24.. P s . 50.. | 1.732<br>(44.00) | 1.677<br>(42.60) | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.626<br>(41.30) | 1.374<br>(34.92) | 1.698<br>(43.15) | 1.204<br>(30.60)  | 1.127<br>(28.65) | 0.150<br>(3.81) | 0.145<br>(3.70) |

## Square flange receptacle with removable backshell for screen termination and heatshrink sleeving (38 &amp; 42 suffix)



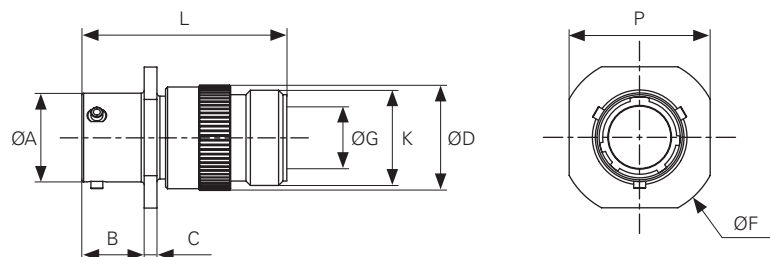
| Shell size | Part numbers<br>solder contacts | crimp contacts            | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | E                | F<br>max         | Ø G<br>max       | J               | M<br>max        |
|------------|---------------------------------|---------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|-----------------|-----------------|
| 8          | 851 00 T 8.. P s . 50..         | 851 00 RT 8.. P s . 50..  | 2.031<br>(51.60) | 2.031<br>(51.60) | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.718<br>(18.25) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.293<br>(7.45)  | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 10         | 851 00 T 10.. P s . 50..        | 851 00 RT 10.. P s . 50.. | 2.031<br>(51.60) | 2.031<br>(51.60) | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.797<br>(20.25) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.354<br>(9.00)  | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 12         | 851 00 T 12.. P s . 50..        | 851 00 RT 12.. P s . 50.. | 2.031<br>(51.60) | 2.031<br>(51.60) | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.974<br>(24.75) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.523<br>(13.30) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 14         | 851 00 T 14.. P s . 50..        | 851 00 RT 14.. P s . 50.. | 2.031<br>(51.60) | 2.031<br>(51.60) | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.092<br>(27.75) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.649<br>(16.50) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 16         | 851 00 T 16.. P s . 50..        | 851 00 RT 16.. P s . 50.. | 2.031<br>(51.60) | 2.031<br>(51.60) | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.183<br>(30.05) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.728<br>(18.50) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 18         | 851 00 T 18.. P s . 50..        | 851 00 RT 18.. P s . 50.. | 2.047<br>(52.00) | 2.047<br>(52.00) | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.344<br>(34.15) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.862<br>(21.90) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 20         | 851 00 T 20.. P s . 50..        | 851 00 RT 20.. P s . 50.. | 2.169<br>(55.10) | 2.169<br>(55.10) | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.466<br>(37.25) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.988<br>(25.10) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 22         | 851 00 T 22.. P s . 50..        | 851 00 RT 22.. P s . 50.. | 2.169<br>(55.10) | 2.169<br>(55.10) | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.592<br>(40.45) | 1.250<br>(31.75) | 1.574<br>(39.99) | 1.110<br>(28.20) | 0.123<br>(3.13) | 0.145<br>(3.70) |
| 24         | 851 00 T 24.. P s . 50..        | 851 00 RT 24.. P s . 50.. | 2.169<br>(55.10) | 2.169<br>(55.10) | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.718<br>(43.65) | 1.374<br>(34.92) | 1.698<br>(43.15) | 1.236<br>(31.40) | 0.150<br>(3.81) | 0.145<br>(3.70) |

Dimensions are in inches (millimeters)

# Souriau 851 series

Hermetic versions

## Cable in-line receptacle with straight adaptor

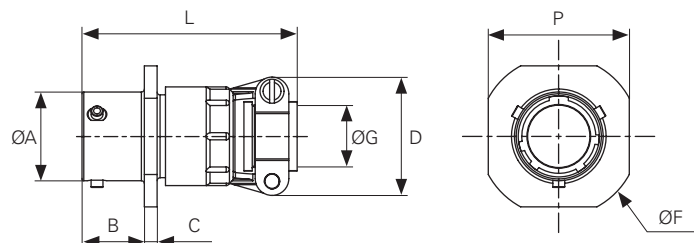


### Cross reference

|              |                |
|--------------|----------------|
| <b>01 A</b>  | HE 301 B 01 A  |
| <b>01 RA</b> | HE 301 B 01 RA |

| Shell size | Part numbers<br>solder contacts                         | crimp contacts                                           | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | Ø F max          | Ø G max          | K<br>threading<br>UNEF 2A | p max            |
|------------|---------------------------------------------------------|----------------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|---------------------------|------------------|
| 8          | <b>851 01 A 8..</b> <sup>P</sup> / <sub>S</sub> . 50..  | <b>851 01 RA 8..</b> <sup>P</sup> / <sub>S</sub> . 50..  | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.473<br>(12.03) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.570<br>(14.50) | 0.954<br>(24.24) | 0.358<br>(9.10)  | 1/2 18                    | 0.826<br>(20.99) |
| 10         | <b>851 01 A 10..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RA 10..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.590<br>(15.01) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.736<br>(18.70) | 1.080<br>(27.44) | 0.475<br>(12.08) | 5/8 24                    | 0.952<br>(24.19) |
| 12         | <b>851 01 A 12..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RA 12..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.750<br>(19.07) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.854<br>(21.70) | 1.172<br>(29.79) | 0.600<br>(15.25) | 3/4 20                    | 1.044<br>(26.54) |
| 14         | <b>851 01 A 14..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RA 14..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.876<br>(22.25) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.988<br>(25.10) | 1.263<br>(32.10) | 0.714<br>(18.15) | 7/8 20                    | 1.137<br>(28.89) |
| 16         | <b>851 01 A 16..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RA 16..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.000<br>(25.42) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.107<br>(28.13) | 1.361<br>(34.59) | 0.839<br>(21.32) | 1-20                      | 1.231<br>(31.29) |
| 18         | <b>851 01 A 18..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RA 18..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.126<br>(28.60) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.235<br>(31.38) | 1.454<br>(36.94) | 0.957<br>(24.32) | 1-3/16 18                 | 1.326<br>(33.69) |
| 20         | <b>851 01 A 20..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RA 20..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.732<br>(44.00) | 1.732<br>(44.00) | 1.250<br>(31.77) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.350<br>(34.30) | 1.580<br>(40.15) | 1.052<br>(26.73) | 1-3/16 18                 | 1.452<br>(36.89) |
| 22         | <b>851 01 A 22..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RA 22..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.732<br>(44.00) | 1.732<br>(44.00) | 1.376<br>(34.95) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.480<br>(37.60) | 1.663<br>(42.24) | 1.207<br>(30.67) | 1-7/16 18                 | 1.574<br>(40.00) |
| 24         | <b>851 01 A 24..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RA 24..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.732<br>(44.00) | 1.732<br>(44.00) | 1.500<br>(38.12) | 0.578<br>(14.70) | 0.104<br>(2.65) | 1.602<br>(40.70) | 1.828<br>(46.44) | 1.302<br>(33.08) | 1-7/16 18                 | 1.704<br>(43.29) |

## Cable in-line receptacle with straight cable clamp



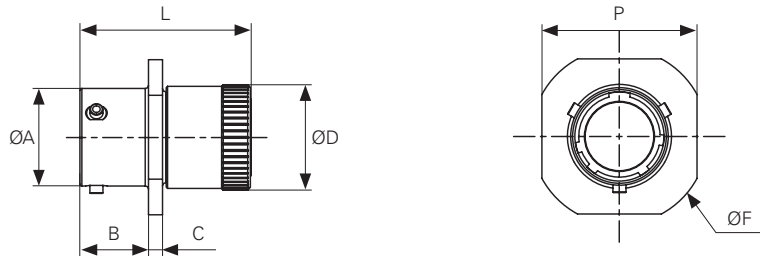
### Cross reference

|              |                |
|--------------|----------------|
| <b>01 EC</b> | HE 301 B 01 EC |
|              | MS 3111 F      |
| <b>01 AC</b> | HE 301 B 01 AC |
| <b>01 RC</b> | HE 301 B 01 RC |
|              | MS 3121 F      |

| Shell size | Part numbers<br>solder contacts                                                   | crimp contacts                                           | L max<br>solder  | crimp            | Ø A              | B max            | C max           | D max            | Ø F max          | Ø G max          | P max            |
|------------|-----------------------------------------------------------------------------------|----------------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|
| 8          | <b>851 01 <sup>EC</sup>/<sub>AC</sub> 8..</b> <sup>P</sup> / <sub>S</sub> . 50..  | <b>851 01 RC 8..</b> <sup>P</sup> / <sub>S</sub> . 50..  | 1.889<br>(48.00) | 1.862<br>(47.30) | 0.473<br>(12.03) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.783<br>(19.90) | 0.954<br>(24.24) | 0.137<br>(3.50)  | 0.826<br>(20.99) |
| 10         | <b>851 01 <sup>EC</sup>/<sub>AC</sub> 10..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RC 10..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.889<br>(48.00) | 1.862<br>(47.30) | 0.590<br>(15.01) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.846<br>(21.50) | 1.080<br>(27.44) | 0.196<br>(5.00)  | 0.952<br>(24.19) |
| 12         | <b>851 01 <sup>EC</sup>/<sub>AC</sub> 12..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RC 12..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.889<br>(48.00) | 1.862<br>(47.30) | 0.750<br>(19.07) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.984<br>(25.00) | 1.172<br>(29.79) | 0.322<br>(8.20)  | 1.044<br>(26.54) |
| 14         | <b>851 01 <sup>EC</sup>/<sub>AC</sub> 14..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RC 14..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 1.889<br>(48.00) | 1.862<br>(47.30) | 0.876<br>(22.25) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.094<br>(27.80) | 1.263<br>(32.10) | 0.393<br>(10.00) | 1.137<br>(28.89) |
| 16         | <b>851 01 <sup>EC</sup>/<sub>AC</sub> 16..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RC 16..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 2.007<br>(51.00) | 1.988<br>(50.50) | 1.000<br>(25.42) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.157<br>(29.40) | 1.361<br>(34.59) | 0.511<br>(13.00) | 1.231<br>(31.29) |
| 18         | <b>851 01 <sup>EC</sup>/<sub>AC</sub> 18..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RC 18..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 2.007<br>(51.00) | 1.988<br>(50.50) | 1.126<br>(28.60) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.389<br>(35.30) | 1.454<br>(36.94) | 0.629<br>(16.00) | 1.326<br>(33.69) |
| 20         | <b>851 01 <sup>EC</sup>/<sub>AC</sub> 20..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RC 20..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 2.086<br>(53.00) | 2.027<br>(51.50) | 1.250<br>(31.77) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.389<br>(35.30) | 1.580<br>(40.15) | 0.629<br>(16.00) | 1.452<br>(36.89) |
| 22         | <b>851 01 <sup>EC</sup>/<sub>AC</sub> 22..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RC 22..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 2.086<br>(53.00) | 2.027<br>(51.50) | 1.376<br>(34.95) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.618<br>(41.10) | 1.663<br>(42.24) | 0.759<br>(19.30) | 1.574<br>(40.00) |
| 24         | <b>851 01 <sup>EC</sup>/<sub>AC</sub> 24..</b> <sup>P</sup> / <sub>S</sub> . 50.. | <b>851 01 RC 24..</b> <sup>P</sup> / <sub>S</sub> . 50.. | 2.086<br>(53.00) | 2.027<br>(51.50) | 1.500<br>(38.12) | 0.578<br>(14.70) | 0.104<br>(2.65) | 1.669<br>(42.40) | 1.828<br>(46.44) | 0.811<br>(20.60) | 1.704<br>(43.29) |

Dimensions are in inches (millimeters)

## Cable in-line receptacle with backnut

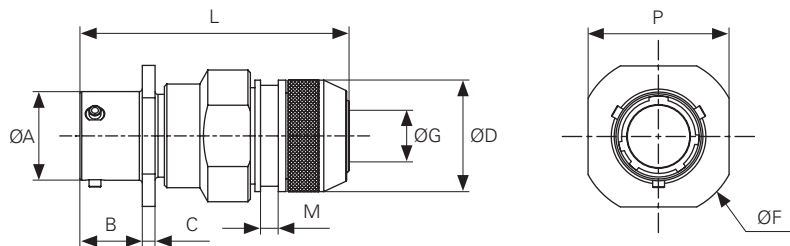


## Cross reference

|      |               |
|------|---------------|
| 01 E | HE 301 B 01 E |
|      | MS 3111 E     |
| 01 R | HE 301 B 01 R |
|      | MS 3121 E     |

| Shell size | Part numbers<br>solder contacts                  | crimp contacts                                   | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | Ø F<br>max       | P<br>max         |
|------------|--------------------------------------------------|--------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|
| 8          | 851 01 E 8.. <sup>P</sup> / <sub>s</sub> . 50..  | 851 01 R 8.. <sup>P</sup> / <sub>s</sub> . 50..  | 1.287<br>(32.70) | 1.259<br>(32.00) | 0.473<br>(12.03) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.531<br>(13.50) | 0.954<br>(24.24) | 0.826<br>(20.99) |
| 10         | 851 01 E 10.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 R 10.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.287<br>(32.70) | 1.259<br>(32.00) | 0.590<br>(15.01) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.657<br>(16.70) | 1.080<br>(27.44) | 0.952<br>(24.19) |
| 12         | 851 01 E 12.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 R 12.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.287<br>(32.70) | 1.259<br>(32.00) | 0.750<br>(19.07) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.783<br>(19.90) | 1.172<br>(29.79) | 1.044<br>(26.54) |
| 14         | 851 01 E 14.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 R 14.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.287<br>(32.70) | 1.259<br>(32.00) | 0.876<br>(22.25) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.921<br>(23.40) | 1.263<br>(32.10) | 1.137<br>(28.89) |
| 16         | 851 01 E 16.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 R 16.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.287<br>(32.70) | 1.259<br>(32.00) | 1.000<br>(25.42) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.047<br>(26.60) | 1.361<br>(34.59) | 1.231<br>(31.29) |
| 18         | 851 01 E 18.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 R 18.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.287<br>(32.70) | 1.259<br>(32.00) | 1.126<br>(28.60) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.161<br>(29.50) | 1.454<br>(36.94) | 1.326<br>(33.69) |
| 20         | 851 01 E 20.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 R 20.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.358<br>(34.50) | 1.315<br>(33.40) | 1.250<br>(31.77) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.287<br>(32.70) | 1.580<br>(40.15) | 1.452<br>(36.89) |
| 22         | 851 01 E 22.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 R 22.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.358<br>(34.50) | 1.315<br>(33.40) | 1.376<br>(34.95) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.417<br>(36.00) | 1.663<br>(42.24) | 1.574<br>(40.00) |
| 24         | 851 01 E 24.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 R 24.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.358<br>(34.50) | 1.315<br>(33.40) | 1.500<br>(38.12) | 0.578<br>(14.70) | 0.104<br>(2.65) | 1.539<br>(39.10) | 1.828<br>(46.44) | 1.704<br>(43.29) |

## Cable in line receptacle with removable straight backshell for screen termination and heatshrink sleeving



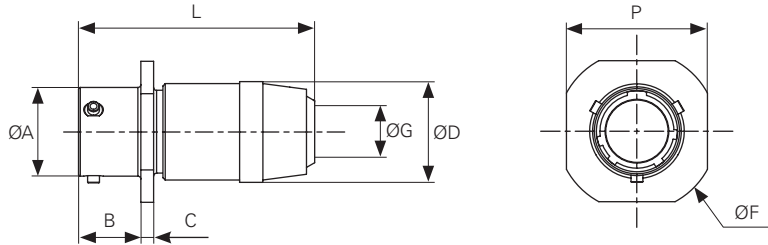
| Shell size | Part numbers<br>solder contacts                  | crimp contacts                                    | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | Ø F<br>max       | Ø G<br>max       | M<br>max        | P<br>max         |
|------------|--------------------------------------------------|---------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-----------------|------------------|
| 8          | 851 01 G 8.. <sup>P</sup> / <sub>s</sub> . 50..  | 851 01 RG 8.. <sup>P</sup> / <sub>s</sub> . 50..  | 2.126<br>(54.00) | 2.126<br>(54.00) | 0.473<br>(12.03) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.641<br>(16.30) | 0.954<br>(24.24) | 0.293<br>(7.45)  | 0.141<br>(3.60) | 0.826<br>(20.99) |
| 10         | 851 01 G 10.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RG 10.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.126<br>(54.00) | 2.126<br>(54.00) | 0.590<br>(15.01) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.720<br>(18.30) | 1.080<br>(27.44) | 0.405<br>(10.30) | 0.141<br>(3.60) | 0.952<br>(24.19) |
| 12         | 851 01 G 12.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RG 12.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.126<br>(54.00) | 2.126<br>(54.00) | 0.750<br>(19.07) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.878<br>(22.30) | 1.172<br>(29.79) | 0.519<br>(13.20) | 0.141<br>(3.60) | 1.044<br>(26.54) |
| 14         | 851 01 G 14.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RG 14.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.126<br>(54.00) | 2.126<br>(54.00) | 0.876<br>(22.25) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.996<br>(25.30) | 1.263<br>(32.10) | 0.649<br>(16.50) | 0.141<br>(3.60) | 1.137<br>(28.89) |
| 16         | 851 01 G 16.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RG 16.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.126<br>(54.00) | 2.126<br>(54.00) | 1.000<br>(25.42) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.114<br>(28.30) | 1.361<br>(34.59) | 0.761<br>(19.35) | 0.141<br>(3.60) | 1.231<br>(31.29) |
| 18         | 851 01 G 18.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RG 18.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.126<br>(54.00) | 2.126<br>(54.00) | 1.126<br>(28.60) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.271<br>(32.30) | 1.454<br>(36.94) | 0.850<br>(21.60) | 0.141<br>(3.60) | 1.326<br>(33.69) |
| 20         | 851 01 G 20.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RG 20.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.334<br>(59.30) | 2.334<br>(59.30) | 1.250<br>(31.77) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.350<br>(34.30) | 1.580<br>(40.15) | 0.976<br>(24.80) | 0.141<br>(3.60) | 1.452<br>(36.89) |
| 22         | 851 01 G 22.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RG 22.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.334<br>(59.30) | 2.334<br>(59.30) | 1.376<br>(34.95) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.507<br>(38.30) | 1.663<br>(42.24) | 1.098<br>(27.90) | 0.141<br>(3.60) | 1.574<br>(40.00) |
| 24         | 851 01 G 24.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RG 24.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.334<br>(59.30) | 2.334<br>(59.30) | 1.500<br>(38.12) | 0.578<br>(14.70) | 0.104<br>(2.65) | 1.626<br>(41.30) | 1.828<br>(46.44) | 1.220<br>(31.00) | 0.141<br>(3.60) | 1.704<br>(43.29) |

Dimensions are in inches (millimeters)

# Souriau 851 series

Hermetic versions

## Cable in-line receptacle with straight sealing gland backshell

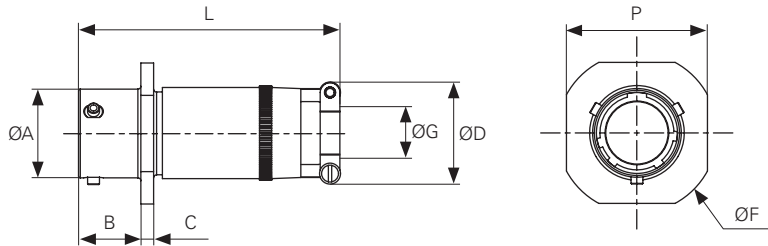


### Cross reference

|      |               |
|------|---------------|
| 01 J | HE 301 B 01 J |
|------|---------------|

| Shell size | Part numbers                                   |                | L max            |       | Ø A              | B                | C               | Ø D              | Ø F              | Ø G              |                  | P                |
|------------|------------------------------------------------|----------------|------------------|-------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|
|            | solder contacts                                | crimp contacts | solder           | crimp |                  | max              | max             | max              | max              | min              | max              | max              |
| 8          | 851 01 J 8.. <sup>P</sup> <sub>s</sub> . 50..  | —              | 1.874<br>(47.60) | —     | 0.473<br>(12.03) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.567<br>(14.40) | 0.954<br>(24.24) | 0.197<br>(5.02)  | 0.230<br>(5.84)  | 0.826<br>(20.99) |
| 10         | 851 01 J 10.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 1.874<br>(47.60) | —     | 0.590<br>(15.01) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.693<br>(17.60) | 1.080<br>(27.44) | 0.233<br>(5.94)  | 0.266<br>(6.76)  | 0.952<br>(24.19) |
| 12         | 851 01 J 12.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 1.917<br>(48.70) | —     | 0.750<br>(19.07) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.830<br>(21.10) | 1.172<br>(29.79) | 0.367<br>(9.34)  | 0.400<br>(10.16) | 1.044<br>(26.54) |
| 14         | 851 01 J 14.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.106<br>(53.50) | —     | 0.876<br>(22.25) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.960<br>(24.40) | 1.263<br>(32.10) | 0.445<br>(11.32) | 0.478<br>(12.14) | 1.137<br>(28.89) |
| 16         | 851 01 J 16.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.322<br>(59.00) | —     | 1.000<br>(25.42) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.086<br>(27.60) | 1.361<br>(34.59) | 0.578<br>(14.73) | 0.612<br>(15.55) | 1.231<br>(31.29) |
| 18         | 851 01 J 18.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.559<br>(65.00) | —     | 1.126<br>(28.60) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.212<br>(30.80) | 1.454<br>(36.94) | 0.629<br>(16.00) | 0.662<br>(16.82) | 1.326<br>(33.69) |
| 20         | 851 01 J 20.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.114<br>(79.10) | —     | 1.250<br>(31.77) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.342<br>(34.10) | 1.580<br>(40.15) | 0.665<br>(16.89) | 0.697<br>(17.71) | 1.452<br>(36.89) |
| 22         | 851 01 J 22.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.149<br>(80.00) | —     | 1.376<br>(34.95) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.468<br>(37.30) | 1.663<br>(42.24) | 0.700<br>(17.78) | 0.732<br>(18.60) | 1.574<br>(40.00) |
| 24         | 851 01 J 24.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.543<br>(90.00) | —     | 1.500<br>(38.12) | 0.578<br>(14.70) | 0.104<br>(2.65) | 1.594<br>(40.50) | 1.828<br>(46.44) | 0.800<br>(20.34) | 0.833<br>(21.16) | 1.704<br>(43.29) |

## Cable in-line receptacle with straight sealing gland and cable clamp backshell



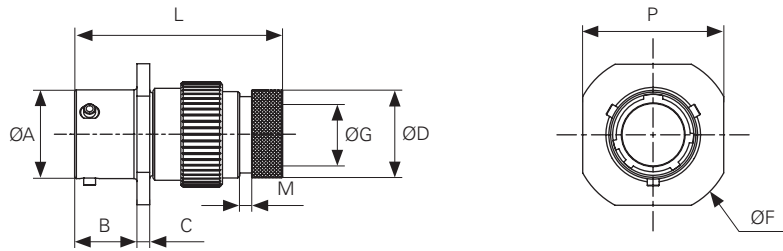
### Cross reference

|       |               |
|-------|---------------|
| 01 JC | HE 301 B 01 J |
|-------|---------------|

| Shell size | Part numbers                                    |                | L max             |       | Ø A              | B                | C               | Ø D              | E                | Ø F              | Ø G              |                  | P                |
|------------|-------------------------------------------------|----------------|-------------------|-------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|
|            | solder contacts                                 | crimp contacts | solder            | crimp |                  | max              | max             | max              |                  | max              | min              | max              | max              |
| 8          | 851 01 JC 8.. <sup>P</sup> <sub>s</sub> . 50..  | —              | 2.270<br>(57.68)  | —     | 0.473<br>(12.03) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.783<br>(19.90) | 0.594<br>(15.09) | 0.954<br>(24.24) | 0.197<br>(5.02)  | 0.230<br>(5.84)  | 0.826<br>(20.99) |
| 10         | 851 01 JC 10.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.270<br>(57.68)  | —     | 0.590<br>(15.01) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.846<br>(21.50) | 0.718<br>(18.26) | 1.080<br>(27.44) | 0.233<br>(5.94)  | 0.266<br>(6.76)  | 0.952<br>(24.19) |
| 12         | 851 01 JC 12.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.411<br>(61.24)  | —     | 0.750<br>(19.07) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.984<br>(25.00) | 0.811<br>(20.62) | 1.172<br>(29.79) | 0.367<br>(9.34)  | 0.400<br>(10.16) | 1.044<br>(26.54) |
| 14         | 851 01 JC 14.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.598<br>(66.01)  | —     | 0.876<br>(22.25) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.094<br>(27.80) | 0.905<br>(23.00) | 1.263<br>(32.10) | 0.445<br>(11.32) | 0.478<br>(12.14) | 1.137<br>(28.89) |
| 16         | 851 01 JC 16.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.943<br>(74.75)  | —     | 1.000<br>(25.42) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.157<br>(29.40) | 0.968<br>(24.61) | 1.361<br>(34.59) | 0.578<br>(14.73) | 0.612<br>(15.55) | 1.231<br>(31.29) |
| 18         | 851 01 JC 18.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.172<br>(80.57)  | —     | 1.126<br>(28.60) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.389<br>(35.30) | 1.061<br>(26.97) | 1.454<br>(36.94) | 0.629<br>(16.00) | 0.662<br>(16.82) | 1.326<br>(33.69) |
| 20         | 851 01 JC 20.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.609<br>(91.69)  | —     | 1.250<br>(31.77) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.389<br>(35.30) | 1.156<br>(29.36) | 1.580<br>(40.15) | 0.665<br>(16.89) | 0.696<br>(17.70) | 1.452<br>(36.89) |
| 22         | 851 01 JC 22.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.766<br>(95.66)  | —     | 1.376<br>(34.95) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.618<br>(41.10) | 1.250<br>(31.75) | 1.663<br>(42.24) | 0.700<br>(17.78) | 0.732<br>(18.60) | 1.574<br>(40.00) |
| 24         | 851 01 JC 24.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.985<br>(101.22) | —     | 1.500<br>(38.12) | 0.578<br>(14.70) | 0.104<br>(2.65) | 1.669<br>(42.40) | 1.374<br>(34.92) | 1.828<br>(46.44) | 0.800<br>(20.34) | 0.833<br>(21.16) | 1.704<br>(43.29) |

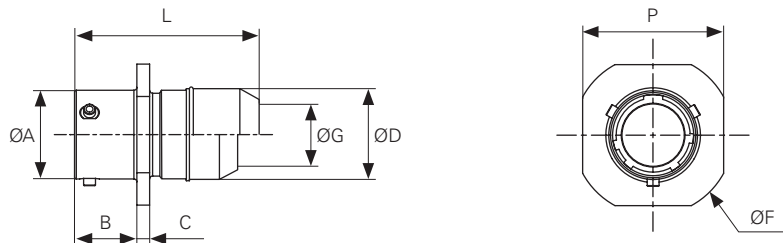
Dimensions are in inches (millimeters)

## Cable connecting receptacle with removable straight backshell for heatshrink sleeving



| Shell size | Part numbers<br>solder contacts                  | crimp contacts                                    | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | Ø F max          | Ø G max          | M max           | P max            |
|------------|--------------------------------------------------|---------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-----------------|------------------|
| 8          | 851 01 M 8.. <sup>P</sup> / <sub>s</sub> . 50..  | 851 01 RM 8.. <sup>P</sup> / <sub>s</sub> . 50..  | 1.668<br>(50.00) | 1.668<br>(50.00) | 0.473<br>(12.03) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.533<br>(13.55) | 0.954<br>(24.24) | 0.277<br>(7.05)  | 0.137<br>(3.50) | 0.826<br>(20.99) |
| 10         | 851 01 M 10.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RM 10.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.668<br>(50.00) | 1.668<br>(50.00) | 0.590<br>(15.01) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.604<br>(15.35) | 1.080<br>(27.44) | 0.389<br>(9.90)  | 0.137<br>(3.50) | 0.952<br>(24.19) |
| 12         | 851 01 M 12.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RM 12.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.668<br>(50.00) | 1.668<br>(50.00) | 0.750<br>(19.07) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.766<br>(19.48) | 1.172<br>(29.79) | 0.496<br>(12.60) | 0.137<br>(3.50) | 1.044<br>(26.54) |
| 14         | 851 01 M 14.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RM 14.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.668<br>(50.00) | 1.668<br>(50.00) | 0.876<br>(22.25) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.838<br>(21.30) | 1.263<br>(32.10) | 0.626<br>(15.90) | 0.137<br>(3.50) | 1.137<br>(28.89) |
| 16         | 851 01 M 16.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RM 16.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.668<br>(50.00) | 1.668<br>(50.00) | 1.000<br>(25.42) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.964<br>(24.50) | 1.361<br>(34.59) | 0.746<br>(18.95) | 0.137<br>(3.50) | 1.231<br>(31.29) |
| 18         | 851 01 M 18.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RM 18.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.668<br>(50.00) | 1.668<br>(50.00) | 1.126<br>(28.60) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.041<br>(26.45) | 1.454<br>(36.94) | 0.822<br>(20.90) | 0.137<br>(3.50) | 1.326<br>(33.69) |
| 20         | 851 01 M 20.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RM 20.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.098<br>(53.30) | 2.098<br>(53.30) | 1.250<br>(31.77) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.209<br>(30.73) | 1.580<br>(40.15) | 0.933<br>(23.70) | 0.137<br>(3.50) | 1.452<br>(36.89) |
| 22         | 851 01 M 22.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RM 22.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.098<br>(53.30) | 2.098<br>(53.30) | 1.376<br>(34.95) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.348<br>(34.24) | 1.663<br>(42.24) | 1.047<br>(26.60) | 0.137<br>(3.50) | 1.574<br>(40.00) |
| 24         | 851 01 M 24.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RM 24.. <sup>P</sup> / <sub>s</sub> . 50.. | 2.098<br>(53.30) | 2.098<br>(53.30) | 1.500<br>(38.12) | 0.578<br>(14.70) | 0.104<br>(2.65) | 1.435<br>(36.47) | 1.828<br>(46.44) | 1.153<br>(29.30) | 0.137<br>(3.50) | 1.704<br>(43.29) |

## Cable connecting receptacle with straight backshell for potting



## Cross reference

|       |                |
|-------|----------------|
| 01 P  | HE 301 B 01 P  |
|       | MS 3111 P      |
| 01 RP | HE 301 B 01 RP |
|       | MS 3121 P      |

| Shell size | Part numbers<br>solder contacts                  | crimp contacts                                    | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | Ø F max          | Ø G max          | P max            |
|------------|--------------------------------------------------|---------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|
| 8          | 851 01 P 8.. <sup>P</sup> / <sub>s</sub> . 50..  | 851 01 RP 8.. <sup>P</sup> / <sub>s</sub> . 50..  | 1.425<br>(36.20) | 1.641<br>(41.70) | 0.473<br>(12.03) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.604<br>(15.34) | 0.954<br>(24.24) | 0.411<br>(10.46) | 0.826<br>(20.99) |
| 10         | 851 01 P 10.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RP 10.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.425<br>(36.20) | 1.641<br>(41.70) | 0.590<br>(15.01) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.696<br>(17.70) | 1.080<br>(27.44) | 0.533<br>(13.55) | 0.952<br>(24.19) |
| 12         | 851 01 P 12.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RP 12.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.425<br>(36.20) | 1.641<br>(41.70) | 0.750<br>(19.07) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.854<br>(21.69) | 1.172<br>(29.79) | 0.549<br>(13.96) | 1.044<br>(26.54) |
| 14         | 851 01 P 14.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RP 14.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.425<br>(36.20) | 1.641<br>(41.70) | 0.876<br>(22.25) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.940<br>(23.90) | 1.263<br>(32.10) | 0.685<br>(17.42) | 1.137<br>(28.89) |
| 16         | 851 01 P 16.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RP 16.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.425<br>(36.20) | 1.641<br>(41.70) | 1.000<br>(25.42) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.063<br>(27.00) | 1.361<br>(34.59) | 0.809<br>(20.56) | 1.231<br>(31.29) |
| 18         | 851 01 P 18.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RP 18.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.453<br>(36.91) | 1.750<br>(44.46) | 1.126<br>(28.60) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.200<br>(30.50) | 1.454<br>(36.94) | 0.931<br>(23.66) | 1.326<br>(33.69) |
| 20         | 851 01 P 20.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RP 20.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.724<br>(43.80) | 2.005<br>(50.93) | 1.250<br>(31.77) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.324<br>(33.65) | 1.580<br>(40.15) | 0.941<br>(23.92) | 1.452<br>(36.89) |
| 22         | 851 01 P 22.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RP 22.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.724<br>(43.80) | 2.005<br>(50.93) | 1.376<br>(34.95) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.460<br>(37.10) | 1.663<br>(42.24) | 1.004<br>(25.52) | 1.574<br>(40.00) |
| 24         | 851 01 P 24.. <sup>P</sup> / <sub>s</sub> . 50.. | 851 01 RP 24.. <sup>P</sup> / <sub>s</sub> . 50.. | 1.724<br>(43.80) | 2.023<br>(51.40) | 1.500<br>(38.12) | 0.578<br>(14.70) | 0.104<br>(2.65) | 1.574<br>(40.00) | 1.828<br>(46.44) | 1.259<br>(32.00) | 1.704<br>(43.29) |

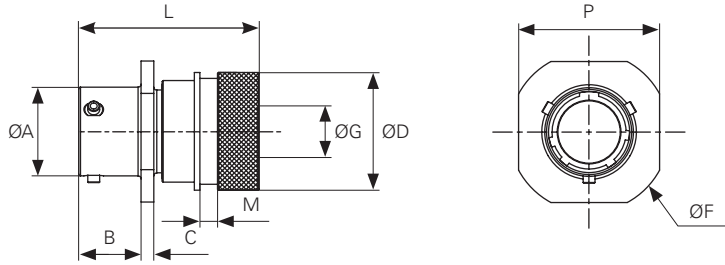
Dimensions are in inches (millimeters)



# Souriau 851 series

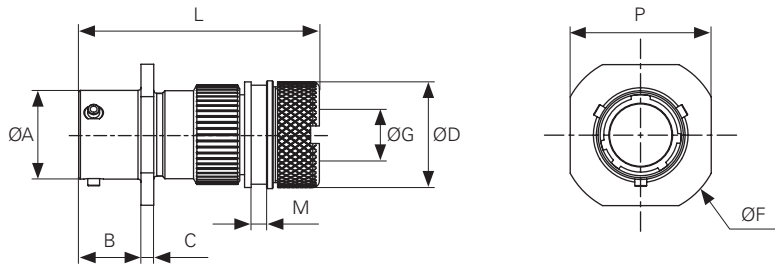
Hermetic versions

## Cable in-line receptacle with straight backshell for heatshrink sleeving



| Shell size | Part numbers<br>solder contacts | crimp contacts            | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | F max            | Ø G max<br>solder | crimp            | M max           | P max            |
|------------|---------------------------------|---------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|-------------------|------------------|-----------------|------------------|
| 8          | 851 01 T 8.. P s . 50..         | 851 01 RT 8.. P s . 50..  | 1.444<br>(36.70) | 1.417<br>(36.00) | 0.473<br>(12.03) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.604<br>(15.35) | 0.954<br>(24.24) | 0.283<br>(7.20)   | 0.263<br>(6.70)  | 0.145<br>(3.70) | 0.826<br>(20.99) |
| 10         | 851 01 T 10.. P s . 50..        | 851 01 RT 10.. P s . 50.. | 1.444<br>(36.70) | 1.417<br>(36.00) | 0.590<br>(15.01) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.714<br>(18.15) | 1.080<br>(27.44) | 0.401<br>(10.20)  | 0.370<br>(9.40)  | 0.145<br>(3.70) | 0.952<br>(24.19) |
| 12         | 851 01 T 12.. P s . 50..        | 851 01 RT 12.. P s . 50.. | 1.444<br>(36.70) | 1.417<br>(36.00) | 0.750<br>(19.07) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.923<br>(23.45) | 1.172<br>(29.79) | 0.519<br>(13.20)  | 0.460<br>(11.95) | 0.145<br>(3.70) | 1.044<br>(26.54) |
| 14         | 851 01 T 14.. P s . 50..        | 851 01 RT 14.. P s . 50.. | 1.444<br>(36.70) | 1.417<br>(36.00) | 0.876<br>(22.25) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.954<br>(24.25) | 1.263<br>(32.10) | 0.633<br>(16.10)  | 0.596<br>(15.15) | 0.145<br>(3.70) | 1.137<br>(28.89) |
| 16         | 851 01 T 16.. P s . 50..        | 851 01 RT 16.. P s . 50.. | 1.535<br>(39.00) | 1.507<br>(38.30) | 1.000<br>(25.42) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.163<br>(29.55) | 1.361<br>(34.59) | 0.757<br>(19.25)  | 0.710<br>(18.05) | 0.145<br>(3.70) | 1.231<br>(31.29) |
| 18         | 851 01 T 18.. P s . 50..        | 851 01 RT 18.. P s . 50.. | 1.535<br>(39.00) | 1.507<br>(38.30) | 1.126<br>(28.60) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.250<br>(31.75) | 1.454<br>(36.94) | 0.838<br>(21.30)  | 0.785<br>(19.95) | 0.145<br>(3.70) | 1.326<br>(33.69) |
| 20         | 851 01 T 20.. P s . 50..        | 851 01 RT 20.. P s . 50.. | 1.783<br>(45.30) | 1.740<br>(44.20) | 1.250<br>(31.77) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.411<br>(35.85) | 1.580<br>(40.15) | 0.960<br>(24.40)  | 0.907<br>(23.05) | 0.145<br>(3.70) | 1.452<br>(36.89) |
| 22         | 851 01 T 22.. P s . 50..        | 851 01 RT 22.. P s . 50.. | 1.783<br>(45.30) | 1.740<br>(44.20) | 1.376<br>(34.95) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.503<br>(38.20) | 1.663<br>(42.24) | 1.082<br>(27.50)  | 1.006<br>(25.55) | 0.145<br>(3.70) | 1.574<br>(40.00) |
| 24         | 851 01 T 24.. P s . 50..        | 851 01 RT 24.. P s . 50.. | 1.732<br>(44.00) | 1.677<br>(42.60) | 1.500<br>(38.12) | 0.578<br>(14.70) | 0.104<br>(2.65) | 1.626<br>(41.30) | 1.828<br>(46.44) | 1.204<br>(30.60)  | 1.127<br>(28.65) | 0.145<br>(3.70) | 1.704<br>(43.29) |

## Cable connecting receptacle with removable straight backshell for screen termination and heatshrink sleeving (38 & 42 suffix)

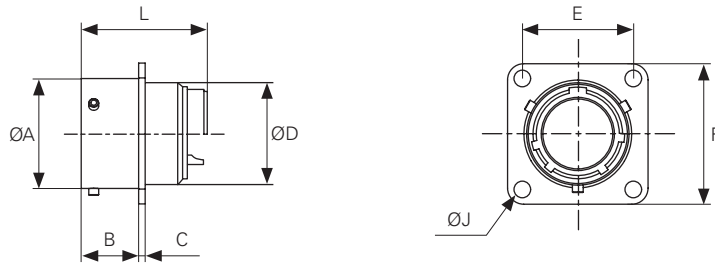


| Shell size | Part numbers<br>solder contacts | crimp contacts                | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | E                | F max            | Ø G max          | M max           | P max            |
|------------|---------------------------------|-------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|-----------------|------------------|
| 8          | 851 01 T 8.. P s . 50 38 42     | 851 01 RT 8.. P s . 50 38 42  | 2.031<br>(51.60) | 2.031<br>(51.60) | 0.473<br>(12.03) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.718<br>(18.25) | 0.594<br>(15.09) | 0.954<br>(24.24) | 0.293<br>(7.45)  | 0.145<br>(3.70) | 0.826<br>(20.99) |
| 10         | 851 01 T 10.. P s . 50 38 42    | 851 01 RT 10.. P s . 50 38 42 | 2.031<br>(51.60) | 2.031<br>(51.60) | 0.590<br>(15.01) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.797<br>(20.25) | 0.718<br>(18.26) | 1.080<br>(27.44) | 0.354<br>(9.00)  | 0.145<br>(3.70) | 0.952<br>(24.19) |
| 12         | 851 01 T 12.. P s . 50 38 42    | 851 01 RT 12.. P s . 50 38 42 | 2.031<br>(51.60) | 2.031<br>(51.60) | 0.750<br>(19.07) | 0.417<br>(10.60) | 0.087<br>(2.22) | 0.974<br>(24.75) | 0.811<br>(20.62) | 1.172<br>(29.79) | 0.523<br>(13.30) | 0.145<br>(3.70) | 1.044<br>(26.54) |
| 14         | 851 01 T 14.. P s . 50 38 42    | 851 01 RT 14.. P s . 50 38 42 | 2.031<br>(51.60) | 2.031<br>(51.60) | 0.876<br>(22.25) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.092<br>(27.75) | 0.905<br>(23.00) | 1.263<br>(32.10) | 0.649<br>(16.50) | 0.145<br>(3.70) | 1.137<br>(28.89) |
| 16         | 851 01 T 16.. P s . 50 38 42    | 851 01 RT 16.. P s . 50 38 42 | 2.031<br>(51.60) | 2.031<br>(51.60) | 1.000<br>(25.42) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.183<br>(30.05) | 0.968<br>(24.61) | 1.361<br>(34.59) | 0.728<br>(18.50) | 0.145<br>(3.70) | 1.231<br>(31.29) |
| 18         | 851 01 T 18.. P s . 50 38 42    | 851 01 RT 18.. P s . 50 38 42 | 2.047<br>(52.00) | 2.047<br>(52.00) | 1.126<br>(28.60) | 0.417<br>(10.60) | 0.087<br>(2.22) | 1.344<br>(34.15) | 1.061<br>(26.97) | 1.454<br>(36.94) | 0.862<br>(21.90) | 0.145<br>(3.70) | 1.326<br>(33.69) |
| 20         | 851 01 T 20.. P s . 50 38 42    | 851 01 RT 20.. P s . 50 38 42 | 2.169<br>(55.10) | 2.169<br>(55.10) | 1.250<br>(31.77) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.466<br>(37.25) | 1.156<br>(29.36) | 1.580<br>(40.15) | 0.988<br>(25.10) | 0.145<br>(3.70) | 1.452<br>(36.89) |
| 22         | 851 01 T 22.. P s . 50 38 42    | 851 01 RT 22.. P s . 50 38 42 | 2.169<br>(55.10) | 2.169<br>(55.10) | 1.376<br>(34.95) | 0.545<br>(13.85) | 0.104<br>(2.65) | 1.592<br>(40.45) | 1.250<br>(31.75) | 1.663<br>(42.24) | 1.110<br>(28.20) | 0.145<br>(3.70) | 1.574<br>(40.00) |
| 24         | 851 01 T 24.. P s . 50 38 42    | 851 01 RT 24.. P s . 50 38 42 | 2.169<br>(55.10) | 2.169<br>(55.10) | 1.500<br>(38.12) | 0.578<br>(14.70) | 0.104<br>(2.65) | 1.718<br>(43.65) | 1.374<br>(34.92) | 1.828<br>(46.44) | 1.236<br>(31.40) | 0.145<br>(3.70) | 1.704<br>(43.29) |

Dimensions are in inches (millimeters)



## Square flange receptacle not accepting backshell

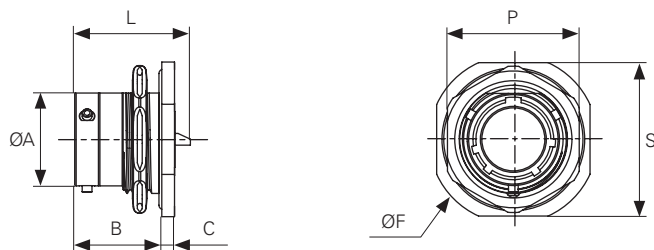


## Cross reference

|             |               |
|-------------|---------------|
| <b>02 E</b> | HE 301 B 02 E |
|             | MS 3112 E     |
|             | VG 95328 H    |
| <b>02 R</b> | HE 301 B 02 R |
|             | MS 3122 E     |
|             | VG 95328 C    |

| Shell size | Part numbers<br>solder contacts                | crimp contacts                                 | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | E                | F<br>max         | J               |
|------------|------------------------------------------------|------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-----------------|
| 8          | 851 02 E 8.. <sup>P</sup> <sub>s</sub> . 50..  | 851 02 R 8.. <sup>P</sup> <sub>s</sub> . 50..  | 0.991<br>(25.18) | 1.273<br>(32.35) | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.426<br>(10.84) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.123<br>(3.13) |
| 10         | 851 02 E 10.. <sup>P</sup> <sub>s</sub> . 50.. | 851 02 R 10.. <sup>P</sup> <sub>s</sub> . 50.. | 0.988<br>(25.10) | 1.273<br>(32.35) | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.550<br>(13.99) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.123<br>(3.13) |
| 12         | 851 02 E 12.. <sup>P</sup> <sub>s</sub> . 50.. | 851 02 R 12.. <sup>P</sup> <sub>s</sub> . 50.. | 0.988<br>(25.10) | 1.273<br>(32.35) | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.683<br>(17.37) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.123<br>(3.13) |
| 14         | 851 02 E 14.. <sup>P</sup> <sub>s</sub> . 50.. | 851 02 R 14.. <sup>P</sup> <sub>s</sub> . 50.. | 0.988<br>(25.10) | 1.273<br>(32.35) | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.809<br>(20.57) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.123<br>(3.13) |
| 16         | 851 02 E 16.. <sup>P</sup> <sub>s</sub> . 50.. | 851 02 R 16.. <sup>P</sup> <sub>s</sub> . 50.. | 0.988<br>(25.10) | 1.273<br>(32.35) | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.933<br>(23.72) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.123<br>(3.13) |
| 18         | 851 02 E 18.. <sup>P</sup> <sub>s</sub> . 50.. | 851 02 R 18.. <sup>P</sup> <sub>s</sub> . 50.. | 0.988<br>(25.10) | 1.273<br>(32.35) | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.050<br>(26.69) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.123<br>(3.13) |
| 20         | 851 02 E 20.. <sup>P</sup> <sub>s</sub> . 50.. | 851 02 R 20.. <sup>P</sup> <sub>s</sub> . 50.. | 1.050<br>(26.67) | 1.336<br>(33.95) | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.176<br>(29.89) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.123<br>(3.13) |
| 22         | 851 02 E 22.. <sup>P</sup> <sub>s</sub> . 50.. | 851 02 R 22.. <sup>P</sup> <sub>s</sub> . 50.. | 1.050<br>(26.67) | 1.336<br>(33.95) | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.300<br>(33.04) | 1.250<br>(31.75) | 1.574<br>(39.99) | 0.123<br>(3.13) |
| 24         | 851 02 E 24.. <sup>P</sup> <sub>s</sub> . 50.. | 851 02 R 24.. <sup>P</sup> <sub>s</sub> . 50.. | 1.050<br>(26.67) | 1.336<br>(33.95) | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.426<br>(36.24) | 1.374<br>(34.92) | 1.698<br>(43.15) | 0.150<br>(3.81) |

## Jam nut receptacle not accepting backshell



## Cross reference

|             |               |
|-------------|---------------|
| <b>07 A</b> | HE 301 B 07 A |
|-------------|---------------|

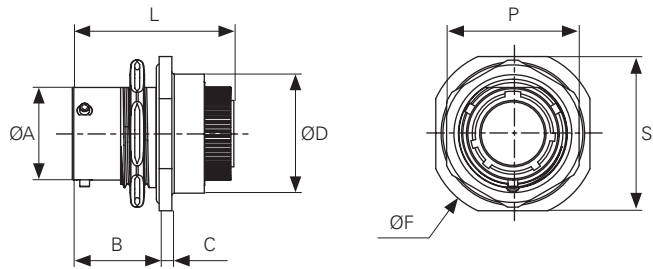
| Shell size | Part numbers<br>solder contacts                | crimp contacts | L max<br>solder  | crimp | Ø A              | B<br>max         | C<br>max        | Ø F<br>max       | P<br>max         | S<br>max         |
|------------|------------------------------------------------|----------------|------------------|-------|------------------|------------------|-----------------|------------------|------------------|------------------|
| 8          | 851 07 A 8.. <sup>P</sup> <sub>s</sub> . 50..  | —              | 0.991<br>(25.18) | —     | 0.473<br>(12.03) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.060<br>(26.94) | 0.759<br>(19.29) | 0.942<br>(23.94) |
| 10         | 851 07 A 10.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 0.988<br>(25.10) | —     | 0.590<br>(15.01) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.186<br>(30.14) | 0.881<br>(22.38) | 1.060<br>(26.94) |
| 12         | 851 07 A 12.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 0.988<br>(25.10) | —     | 0.750<br>(19.07) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.375<br>(34.94) | 1.068<br>(27.13) | 1.249<br>(31.74) |
| 14         | 851 07 A 14.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 0.988<br>(25.10) | —     | 0.876<br>(22.25) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.497<br>(38.04) | 1.194<br>(30.33) | 1.375<br>(34.94) |
| 16         | 851 07 A 16.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 0.988<br>(25.10) | —     | 1.000<br>(25.42) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.623<br>(41.24) | 1.318<br>(33.48) | 1.505<br>(38.24) |
| 18         | 851 07 A 18.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 0.988<br>(25.10) | —     | 1.126<br>(28.60) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.749<br>(44.44) | 1.444<br>(36.68) | 1.627<br>(41.34) |
| 20         | 851 07 A 20.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 1.050<br>(26.67) | —     | 1.250<br>(31.77) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.934<br>(49.14) | 1.568<br>(39.83) | 1.812<br>(46.04) |
| 22         | 851 07 A 22.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 1.050<br>(26.67) | —     | 1.376<br>(34.95) | 0.883<br>(22.45) | 0.135<br>(3.44) | 2.056<br>(52.24) | 1.694<br>(43.03) | 1.938<br>(49.24) |
| 24         | 851 07 A 24.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 1.050<br>(26.67) | —     | 1.500<br>(38.12) | 0.917<br>(23.30) | 0.135<br>(3.44) | 2.186<br>(55.54) | 1.818<br>(46.18) | 2.076<br>(52.74) |

Dimensions are in inches (millimeters)

# Souriau 851 series

Hermetic versions

## Jam nut receptacle with backnut

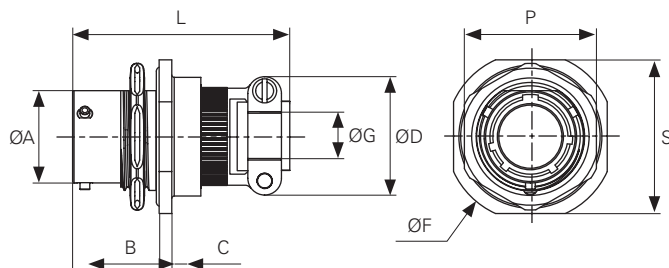


### Cross reference

|      |               |
|------|---------------|
| 07 E | HE 301 B 07 E |
|      | MS 3114 E     |
| 07 R | HE 301 B 07 R |
|      | MS 3124 E     |
|      | VG 95328 D    |

| Shell size | Part numbers<br>solder contacts                  | crimp contacts                                   | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | Ø F<br>max       | P<br>max         | S<br>max         |
|------------|--------------------------------------------------|--------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|
| 8          | 851 07 E 8.. <sup>P</sup> / <sub>S</sub> . 50..  | 851 07 R 8.. <sup>P</sup> / <sub>S</sub> . 50..  | 1.342<br>(34.10) | 1.318<br>(33.50) | 0.473<br>(12.03) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.060<br>(26.94) | 0.759<br>(19.29) | 0.942<br>(23.94) |
| 10         | 851 07 E 10.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 R 10.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.342<br>(34.10) | 1.318<br>(33.50) | 0.590<br>(15.01) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.186<br>(30.14) | 0.881<br>(22.38) | 1.060<br>(26.94) |
| 12         | 851 07 E 12.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 R 12.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.342<br>(34.10) | 1.318<br>(33.50) | 0.750<br>(19.07) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.375<br>(34.94) | 1.068<br>(27.13) | 1.249<br>(31.74) |
| 14         | 851 07 E 14.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 R 14.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.342<br>(34.10) | 1.318<br>(33.50) | 0.876<br>(22.25) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.497<br>(38.04) | 1.194<br>(30.33) | 1.375<br>(34.94) |
| 16         | 851 07 E 16.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 R 16.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.342<br>(34.10) | 1.318<br>(33.50) | 1.000<br>(25.42) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.623<br>(41.24) | 1.318<br>(33.48) | 1.505<br>(38.24) |
| 18         | 851 07 E 18.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 R 18.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.342<br>(34.10) | 1.318<br>(33.50) | 1.126<br>(28.60) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.749<br>(44.44) | 1.444<br>(36.68) | 1.627<br>(41.34) |
| 20         | 851 07 E 20.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 R 20.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.547<br>(39.30) | 1.492<br>(37.90) | 1.250<br>(31.77) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.934<br>(49.14) | 1.568<br>(39.83) | 1.812<br>(46.04) |
| 22         | 851 07 E 22.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 R 22.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.547<br>(39.30) | 1.492<br>(37.90) | 1.376<br>(34.95) | 0.883<br>(22.45) | 0.135<br>(3.44) | 2.056<br>(52.24) | 1.694<br>(43.03) | 1.938<br>(49.24) |
| 24         | 851 07 E 24.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 R 24.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.547<br>(39.30) | 1.492<br>(37.90) | 1.500<br>(38.12) | 0.917<br>(23.30) | 0.135<br>(3.44) | 2.186<br>(55.54) | 1.818<br>(46.18) | 2.076<br>(52.74) |

## Jam nut receptacle with straight cable clamp



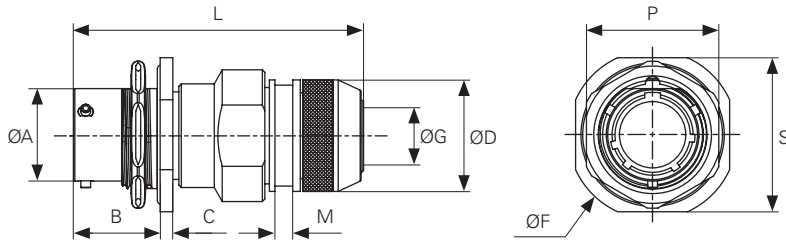
### Cross reference

|       |                |
|-------|----------------|
| 07 EC | HE 301 B 07 EC |
|       | MS 3114 F      |
| 07 AC | HE 301 B 07 AC |
| 07 RC | HE 301 B 07 RC |
|       | MS 3124 F      |
|       | VG 95328 E     |

| Shell size | Part numbers<br>solder contacts                                              | crimp contacts                                    | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | D<br>max         | Ø F<br>max       | Ø G<br>max       | P<br>max         | S<br>max         |
|------------|------------------------------------------------------------------------------|---------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|
| 8          | 851 07 <sup>EC</sup> / <sub>AC</sub> 8.. <sup>P</sup> / <sub>S</sub> . 50..  | 851 07 RC 8.. <sup>P</sup> / <sub>S</sub> . 50..  | 1.941<br>(49.31) | 1.933<br>(49.10) | 0.473<br>(12.03) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.783<br>(19.90) | 1.060<br>(26.94) | 0.137<br>(3.50)  | 0.759<br>(19.29) | 0.942<br>(23.94) |
| 10         | 851 07 <sup>EC</sup> / <sub>AC</sub> 10.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 RC 10.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.941<br>(49.31) | 1.933<br>(49.10) | 0.590<br>(15.01) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.846<br>(21.50) | 1.186<br>(30.14) | 0.196<br>(5.00)  | 0.881<br>(22.38) | 1.060<br>(26.94) |
| 12         | 851 07 <sup>EC</sup> / <sub>AC</sub> 12.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 RC 12.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.935<br>(49.17) | 1.933<br>(49.10) | 0.750<br>(19.07) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.984<br>(25.00) | 1.375<br>(34.94) | 0.322<br>(8.20)  | 1.068<br>(27.13) | 1.249<br>(31.74) |
| 14         | 851 07 <sup>EC</sup> / <sub>AC</sub> 14.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 RC 14.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.935<br>(49.17) | 1.933<br>(49.10) | 0.876<br>(22.25) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.094<br>(27.80) | 1.497<br>(38.04) | 0.393<br>(10.00) | 1.194<br>(30.33) | 1.375<br>(34.94) |
| 16         | 851 07 <sup>EC</sup> / <sub>AC</sub> 16.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 RC 16.. <sup>P</sup> / <sub>S</sub> . 50.. | 2.060<br>(52.34) | 2.055<br>(52.20) | 1.000<br>(25.42) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.157<br>(29.40) | 1.623<br>(41.24) | 0.511<br>(13.00) | 1.318<br>(33.48) | 1.505<br>(38.24) |
| 18         | 851 07 <sup>EC</sup> / <sub>AC</sub> 18.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 RC 18.. <sup>P</sup> / <sub>S</sub> . 50.. | 2.095<br>(53.22) | 2.090<br>(53.10) | 1.126<br>(28.60) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.389<br>(35.30) | 1.749<br>(44.44) | 0.629<br>(16.00) | 1.444<br>(36.68) | 1.627<br>(41.34) |
| 20         | 851 07 <sup>EC</sup> / <sub>AC</sub> 20.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 RC 20.. <sup>P</sup> / <sub>S</sub> . 50.. | 2.287<br>(58.10) | 2.283<br>(58.00) | 1.250<br>(31.77) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.389<br>(35.30) | 1.934<br>(49.14) | 0.629<br>(16.00) | 1.568<br>(39.83) | 1.812<br>(46.04) |
| 22         | 851 07 <sup>EC</sup> / <sub>AC</sub> 22.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 RC 22.. <sup>P</sup> / <sub>S</sub> . 50.. | 2.287<br>(58.10) | 2.283<br>(58.00) | 1.376<br>(34.95) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.618<br>(41.10) | 2.056<br>(52.24) | 0.759<br>(19.30) | 1.694<br>(43.03) | 1.938<br>(49.24) |
| 24         | 851 07 <sup>EC</sup> / <sub>AC</sub> 24.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 07 RC 24.. <sup>P</sup> / <sub>S</sub> . 50.. | 2.287<br>(58.10) | 2.283<br>(58.00) | 1.500<br>(38.12) | 0.917<br>(23.30) | 0.135<br>(3.44) | 1.669<br>(42.40) | 2.186<br>(55.54) | 0.811<br>(20.60) | 1.818<br>(46.18) | 2.076<br>(52.74) |

Dimensions are in inches (millimeters)

## Jam nut receptacle with removable straight backshell for screen termination and heatshrink sleeving

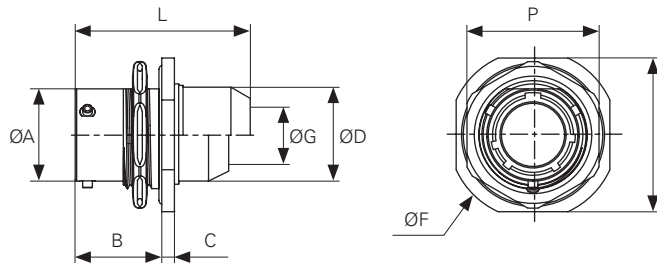


## Cross reference

|       |            |
|-------|------------|
| 07 G  | —          |
| 07 RG | VG 95328 T |

| Shell size | Part numbers<br>solder contacts     | crimp contacts                       | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | Ø F<br>max       | Ø G<br>max       | M<br>max        | P<br>max         | S<br>max         |
|------------|-------------------------------------|--------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-----------------|------------------|------------------|
| 8          | 851 07 G 8.. <sup>P</sup> s . 50..  | 851 07 RG 8.. <sup>P</sup> s . 50..  | 2.448<br>(62.20) | 2.448<br>(62.20) | 0.473<br>(12.03) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.641<br>(16.30) | 1.060<br>(26.94) | 0.293<br>(7.45)  | 0.141<br>(3.60) | 0.759<br>(19.29) | 0.942<br>(23.94) |
| 10         | 851 07 G 10.. <sup>P</sup> s . 50.. | 851 07 RG 10.. <sup>P</sup> s . 50.. | 2.448<br>(62.20) | 2.448<br>(62.20) | 0.590<br>(15.01) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.720<br>(18.30) | 1.186<br>(30.14) | 0.405<br>(10.30) | 0.141<br>(3.60) | 0.881<br>(22.38) | 1.060<br>(26.94) |
| 12         | 851 07 G 12.. <sup>P</sup> s . 50.. | 851 07 RG 12.. <sup>P</sup> s . 50.. | 2.448<br>(62.20) | 2.448<br>(62.20) | 0.750<br>(19.07) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.878<br>(22.30) | 1.375<br>(34.94) | 0.519<br>(13.20) | 0.141<br>(3.60) | 1.068<br>(27.13) | 1.249<br>(31.74) |
| 14         | 851 07 G 14.. <sup>P</sup> s . 50.. | 851 07 RG 14.. <sup>P</sup> s . 50.. | 2.456<br>(62.40) | 2.456<br>(62.40) | 0.876<br>(22.25) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.996<br>(25.30) | 1.497<br>(38.04) | 0.649<br>(16.50) | 0.141<br>(3.60) | 1.194<br>(30.33) | 1.375<br>(34.94) |
| 16         | 851 07 G 16.. <sup>P</sup> s . 50.. | 851 07 RG 16.. <sup>P</sup> s . 50.. | 2.456<br>(62.40) | 2.456<br>(62.40) | 1.000<br>(25.42) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.114<br>(28.30) | 1.623<br>(41.24) | 0.761<br>(19.35) | 0.141<br>(3.60) | 1.318<br>(33.48) | 1.505<br>(38.24) |
| 18         | 851 07 G 18.. <sup>P</sup> s . 50.. | 851 07 RG 18.. <sup>P</sup> s . 50.. | 2.456<br>(62.40) | 2.456<br>(62.40) | 1.126<br>(28.60) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.271<br>(32.30) | 1.749<br>(44.44) | 0.850<br>(21.60) | 0.141<br>(3.60) | 1.444<br>(36.68) | 1.627<br>(41.34) |
| 20         | 851 07 G 20.. <sup>P</sup> s . 50.. | 851 07 RG 20.. <sup>P</sup> s . 50.. | 2.657<br>(67.50) | 2.657<br>(67.50) | 1.250<br>(31.77) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.350<br>(34.30) | 1.934<br>(49.14) | 0.976<br>(24.80) | 0.141<br>(3.60) | 1.568<br>(39.83) | 1.812<br>(46.04) |
| 22         | 851 07 G 22.. <sup>P</sup> s . 50.. | 851 07 RG 22.. <sup>P</sup> s . 50.. | 2.657<br>(67.50) | 2.657<br>(67.50) | 1.376<br>(34.95) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.507<br>(38.30) | 2.056<br>(52.24) | 1.098<br>(27.90) | 0.141<br>(3.60) | 1.694<br>(43.03) | 1.938<br>(49.24) |
| 24         | 851 07 G 24.. <sup>P</sup> s . 50.. | 851 07 RG 24.. <sup>P</sup> s . 50.. | 2.657<br>(67.50) | 2.657<br>(67.50) | 1.500<br>(38.12) | 0.917<br>(23.30) | 0.135<br>(3.44) | 1.626<br>(41.30) | 2.186<br>(55.54) | 1.220<br>(31.00) | 0.141<br>(3.60) | 1.818<br>(46.18) | 2.076<br>(52.74) |

## Jam nut receptacle with straight backshell for potting



## Cross reference

|       |                |
|-------|----------------|
| 07 P  | HE 301 B 07 P  |
|       | MS 3114 P      |
| 07 RP | HE 301 B 07 RP |
|       | MS 3124 P      |

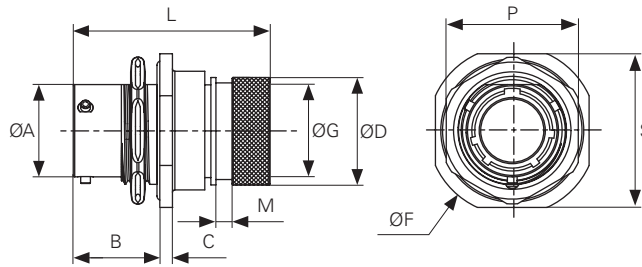
| Shell size | Part numbers<br>solder contacts     | crimp contacts                       | L max<br>solder  | crimp            | Ø A              | B<br>max         | C<br>max        | Ø D<br>max       | Ø F<br>max       | Ø G<br>max       | P<br>max         | S<br>max         |
|------------|-------------------------------------|--------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|
| 8          | 851 07 P 8.. <sup>P</sup> s . 50..  | 851 07 RP 8.. <sup>P</sup> s . 50..  | 1.350<br>(34.30) | 1.566<br>(39.80) | 0.473<br>(12.03) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.954<br>(24.24) | 1.060<br>(26.94) | 0.411<br>(10.46) | 0.759<br>(19.29) | 0.942<br>(23.94) |
| 10         | 851 07 P 10.. <sup>P</sup> s . 50.. | 851 07 RP 10.. <sup>P</sup> s . 50.. | 1.350<br>(34.30) | 1.566<br>(39.80) | 0.590<br>(15.01) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.080<br>(27.44) | 1.186<br>(30.14) | 0.533<br>(13.55) | 0.881<br>(22.38) | 1.060<br>(26.94) |
| 12         | 851 07 P 12.. <sup>P</sup> s . 50.. | 851 07 RP 12.. <sup>P</sup> s . 50.. | 1.350<br>(34.30) | 1.566<br>(39.80) | 0.750<br>(19.07) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.172<br>(29.79) | 1.375<br>(34.94) | 0.549<br>(13.96) | 1.068<br>(27.13) | 1.249<br>(31.74) |
| 14         | 851 07 P 14.. <sup>P</sup> s . 50.. | 851 07 RP 14.. <sup>P</sup> s . 50.. | 1.350<br>(34.30) | 1.566<br>(39.80) | 0.876<br>(22.25) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.263<br>(32.10) | 1.497<br>(38.04) | 0.685<br>(17.42) | 1.194<br>(30.33) | 1.375<br>(34.94) |
| 16         | 851 07 P 16.. <sup>P</sup> s . 50.. | 851 07 RP 16.. <sup>P</sup> s . 50.. | 1.350<br>(34.30) | 1.566<br>(39.80) | 1.000<br>(25.42) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.361<br>(34.59) | 1.623<br>(41.24) | 0.809<br>(20.56) | 1.318<br>(33.48) | 1.505<br>(38.24) |
| 18         | 851 07 P 18.. <sup>P</sup> s . 50.. | 851 07 RP 18.. <sup>P</sup> s . 50.. | 1.342<br>(34.10) | 1.645<br>(41.80) | 1.126<br>(28.60) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.454<br>(36.94) | 1.749<br>(44.44) | 0.931<br>(23.66) | 1.444<br>(36.68) | 1.627<br>(41.34) |
| 20         | 851 07 P 20.. <sup>P</sup> s . 50.. | 851 07 RP 20.. <sup>P</sup> s . 50.. | 1.663<br>(42.25) | 1.965<br>(49.92) | 1.250<br>(31.77) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.580<br>(40.15) | 1.934<br>(49.14) | 0.941<br>(23.92) | 1.568<br>(39.83) | 1.812<br>(46.04) |
| 22         | 851 07 P 22.. <sup>P</sup> s . 50.. | 851 07 RP 22.. <sup>P</sup> s . 50.. | 1.663<br>(42.25) | 1.965<br>(49.92) | 1.376<br>(34.95) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.663<br>(42.24) | 2.056<br>(52.24) | 1.004<br>(25.52) | 1.694<br>(43.03) | 1.938<br>(49.24) |
| 24         | 851 07 P 24.. <sup>P</sup> s . 50.. | 851 07 RP 24.. <sup>P</sup> s . 50.. | 1.703<br>(43.26) | 2.019<br>(51.30) | 1.500<br>(38.12) | 0.917<br>(23.30) | 0.135<br>(3.44) | 1.828<br>(46.44) | 2.186<br>(55.54) | 1.259<br>(32.00) | 1.818<br>(46.18) | 2.076<br>(52.74) |

Dimensions are in inches (millimeters)

# Souriau 851 series

Hermetic versions

## Jam nut receptacle with straight backshell for heatshrink sleeving

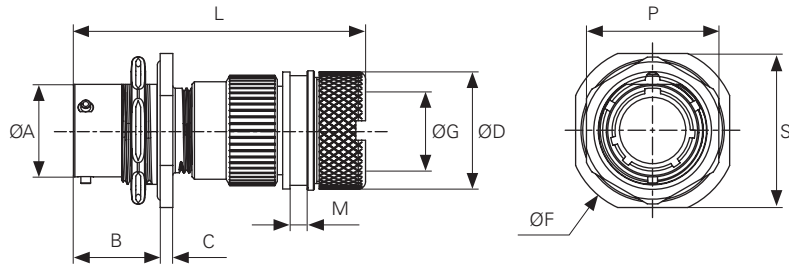


### Cross reference

|       |            |
|-------|------------|
| 07 T  | —          |
| 07 RT | VG 95328 S |

| Shell size | Part numbers<br>solder contacts                | crimp contacts                                  | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | Ø F max          | Ø G max<br>solder | crimp            | M max           | P max            | S max            |
|------------|------------------------------------------------|-------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|-------------------|------------------|-----------------|------------------|------------------|
| 8          | 851 07 T 8.. <sup>P</sup> <sub>S . 50..</sub>  | 851 07 RT 8.. <sup>P</sup> <sub>S . 50..</sub>  | 1.677<br>(42.60) | 1.633<br>(41.50) | 0.473<br>(12.03) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.604<br>(15.35) | 1.060<br>(26.94) | 0.283<br>(7.20)   | 0.263<br>(6.70)  | 0.145<br>(3.70) | 0.759<br>(19.29) | 0.942<br>(23.94) |
| 10         | 851 07 T 10.. <sup>P</sup> <sub>S . 50..</sub> | 851 07 RT 10.. <sup>P</sup> <sub>S . 50..</sub> | 1.677<br>(42.60) | 1.633<br>(41.50) | 0.590<br>(15.01) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.714<br>(18.15) | 1.186<br>(30.14) | 0.401<br>(10.20)  | 0.370<br>(9.40)  | 0.145<br>(3.70) | 0.881<br>(22.38) | 1.060<br>(26.94) |
| 12         | 851 07 T 12.. <sup>P</sup> <sub>S . 50..</sub> | 851 07 RT 12.. <sup>P</sup> <sub>S . 50..</sub> | 1.677<br>(42.60) | 1.633<br>(41.50) | 0.750<br>(19.07) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.923<br>(23.45) | 1.375<br>(34.94) | 0.519<br>(13.20)  | 0.460<br>(11.95) | 0.145<br>(3.70) | 1.068<br>(27.13) | 1.249<br>(31.74) |
| 14         | 851 07 T 14.. <sup>P</sup> <sub>S . 50..</sub> | 851 07 RT 14.. <sup>P</sup> <sub>S . 50..</sub> | 1.677<br>(42.60) | 1.633<br>(41.50) | 0.876<br>(22.25) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.954<br>(24.25) | 1.497<br>(38.04) | 0.633<br>(16.10)  | 0.596<br>(15.15) | 0.145<br>(3.70) | 1.194<br>(30.33) | 1.375<br>(34.94) |
| 16         | 851 07 T 16.. <sup>P</sup> <sub>S . 50..</sub> | 851 07 RT 16.. <sup>P</sup> <sub>S . 50..</sub> | 1.748<br>(44.40) | 1.724<br>(43.80) | 1.000<br>(25.42) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.163<br>(29.55) | 1.623<br>(41.24) | 0.757<br>(19.25)  | 0.710<br>(18.05) | 0.145<br>(3.70) | 1.318<br>(33.48) | 1.505<br>(38.24) |
| 18         | 851 07 T 18.. <sup>P</sup> <sub>S . 50..</sub> | 851 07 RT 18.. <sup>P</sup> <sub>S . 50..</sub> | 1.748<br>(44.40) | 1.724<br>(43.80) | 1.126<br>(28.60) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.250<br>(31.75) | 1.749<br>(44.44) | 0.838<br>(21.30)  | 0.785<br>(19.95) | 0.145<br>(3.70) | 1.444<br>(36.68) | 1.627<br>(41.34) |
| 20         | 851 07 T 20.. <sup>P</sup> <sub>S . 50..</sub> | 851 07 RT 20.. <sup>P</sup> <sub>S . 50..</sub> | 2.004<br>(50.90) | 1.960<br>(49.80) | 1.250<br>(31.77) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.411<br>(35.85) | 1.934<br>(49.14) | 0.960<br>(24.40)  | 0.907<br>(23.05) | 0.145<br>(3.70) | 1.568<br>(39.83) | 1.812<br>(46.04) |
| 22         | 851 07 T 22.. <sup>P</sup> <sub>S . 50..</sub> | 851 07 RT 22.. <sup>P</sup> <sub>S . 50..</sub> | 2.004<br>(50.90) | 1.960<br>(49.80) | 1.376<br>(34.95) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.503<br>(38.20) | 2.056<br>(52.24) | 1.082<br>(27.50)  | 1.006<br>(25.55) | 0.145<br>(3.70) | 1.694<br>(43.03) | 1.938<br>(49.24) |
| 24         | 851 07 T 24.. <sup>P</sup> <sub>S . 50..</sub> | 851 07 RT 24.. <sup>P</sup> <sub>S . 50..</sub> | 1.964<br>(49.90) | 1.909<br>(48.50) | 1.500<br>(38.12) | 0.917<br>(23.30) | 0.135<br>(3.44) | 1.626<br>(41.30) | 2.186<br>(55.54) | 1.204<br>(30.60)  | 1.127<br>(28.65) | 0.145<br>(3.70) | 1.818<br>(46.18) | 2.076<br>(52.74) |

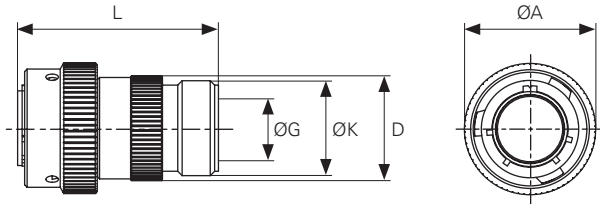
## Jam nut receptacle with removable straight backshell for screen termination and heatshrink sleeving (38 & 42 suffix)



| Shell size | Part numbers<br>solder contacts                                        | crimp contacts                                                          | L max<br>solder  | crimp            | Ø A              | B max            | C max           | Ø D max          | Ø F max          | Ø G max          | M max           | P max            | S max            |
|------------|------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-----------------|------------------|------------------|
| 8          | 851 07 T 8.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub>  | 851 07 RT 8.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub>  | 2.362<br>(60.00) | 2.362<br>(60.00) | 0.473<br>(12.03) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.718<br>(18.25) | 1.060<br>(26.94) | 0.293<br>(7.45)  | 0.145<br>(3.70) | 0.759<br>(19.29) | 0.942<br>(23.94) |
| 10         | 851 07 T 10.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 851 07 RT 10.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 2.362<br>(60.00) | 2.362<br>(60.00) | 0.590<br>(15.01) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.797<br>(20.25) | 1.186<br>(30.14) | 0.354<br>(9.00)  | 0.145<br>(3.70) | 0.881<br>(22.38) | 1.060<br>(26.94) |
| 12         | 851 07 T 12.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 851 07 RT 12.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 2.362<br>(60.00) | 2.362<br>(60.00) | 0.750<br>(19.07) | 0.704<br>(17.90) | 0.104<br>(2.64) | 0.974<br>(24.75) | 1.375<br>(34.94) | 0.523<br>(13.30) | 0.145<br>(3.70) | 1.068<br>(27.13) | 1.249<br>(31.74) |
| 14         | 851 07 T 14.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 851 07 RT 14.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 2.362<br>(60.00) | 2.362<br>(60.00) | 0.876<br>(22.25) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.092<br>(27.75) | 1.497<br>(38.04) | 0.649<br>(16.50) | 0.145<br>(3.70) | 1.194<br>(30.33) | 1.375<br>(34.94) |
| 16         | 851 07 T 16.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 851 07 RT 16.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 2.362<br>(60.00) | 2.362<br>(60.00) | 1.000<br>(25.42) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.183<br>(30.05) | 1.623<br>(41.24) | 0.728<br>(18.50) | 0.145<br>(3.70) | 1.318<br>(33.48) | 1.505<br>(38.24) |
| 18         | 851 07 T 18.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 851 07 RT 18.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 2.377<br>(60.40) | 2.377<br>(60.40) | 1.126<br>(28.60) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.344<br>(34.15) | 1.749<br>(44.44) | 0.862<br>(21.90) | 0.145<br>(3.70) | 1.444<br>(36.68) | 1.627<br>(41.34) |
| 20         | 851 07 T 20.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 851 07 RT 20.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 2.496<br>(63.40) | 2.496<br>(63.40) | 1.250<br>(31.77) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.466<br>(37.25) | 1.934<br>(49.14) | 0.988<br>(25.10) | 0.145<br>(3.70) | 1.568<br>(39.83) | 1.812<br>(46.04) |
| 22         | 851 07 T 22.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 851 07 RT 22.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 2.496<br>(63.40) | 2.496<br>(63.40) | 1.376<br>(34.95) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.592<br>(40.45) | 2.056<br>(52.24) | 1.110<br>(28.20) | 0.145<br>(3.70) | 1.694<br>(43.03) | 1.938<br>(49.24) |
| 24         | 851 07 T 24.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 851 07 RT 24.. <sup>P</sup> <sub>S . 50<sup>38</sup><sub>42</sub></sub> | 2.496<br>(63.40) | 2.496<br>(63.40) | 1.500<br>(38.12) | 0.917<br>(23.30) | 0.135<br>(3.44) | 1.718<br>(43.65) | 2.186<br>(55.54) | 1.236<br>(31.40) | 0.145<br>(3.70) | 1.818<br>(46.18) | 2.076<br>(52.74) |

Dimensions are in inches (millimeters)

## Plug with straight adaptor

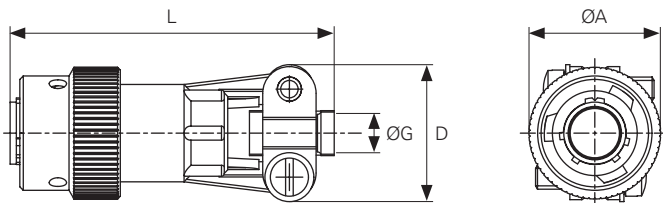


## Cross reference

|              |                |
|--------------|----------------|
| <b>06 A</b>  | HE 301 B 06 A  |
| <b>06 RA</b> | HE 301 B 06 RA |

| Shell size | Part numbers<br>solder contacts                         | crimp contacts                                           | L max<br>solder  | crimp            | Ø A              | Ø D max          | Ø G max          | F threading<br>UNE F 2A |
|------------|---------------------------------------------------------|----------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|-------------------------|
| 8          | <b>851 06 A 8..</b> <sup>P</sup> / <sub>s</sub> . 50..  | <b>851 06 RA 8..</b> <sup>P</sup> / <sub>s</sub> . 50..  | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.750<br>(19.05) | 0.570<br>(14.50) | 0.358<br>(9.10)  | 1/2 18                  |
| 10         | <b>851 06 A 10..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RA 10..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.858<br>(21.80) | 0.736<br>(18.70) | 0.475<br>(12.08) | 5/8 24                  |
| 12         | <b>851 06 A 12..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RA 12..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.029<br>(26.15) | 0.854<br>(21.70) | 0.600<br>(15.25) | 3/4 20                  |
| 14         | <b>851 06 A 14..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RA 14..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.155<br>(29.35) | 0.988<br>(25.10) | 0.714<br>(18.15) | 7/8 20                  |
| 16         | <b>851 06 A 16..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RA 16..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.279<br>(32.50) | 1.107<br>(28.13) | 0.839<br>(21.32) | 1-20                    |
| 18         | <b>851 06 A 18..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RA 18..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.389<br>(35.30) | 1.235<br>(31.38) | 0.957<br>(24.32) | 1-3/16 18               |
| 20         | <b>851 06 A 20..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RA 20..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.732<br>(44.00) | 1.704<br>(43.30) | 1.529<br>(38.85) | 1.350<br>(34.30) | 1.052<br>(26.73) | 1-3/16 18               |
| 22         | <b>851 06 A 22..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RA 22..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.732<br>(44.00) | 1.704<br>(43.30) | 1.655<br>(42.05) | 1.480<br>(37.60) | 1.207<br>(30.67) | 1-7/16 18               |
| 24         | <b>851 06 A 24..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RA 24..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.732<br>(44.00) | 1.712<br>(43.50) | 1.775<br>(45.10) | 1.602<br>(40.70) | 1.302<br>(33.08) | 1-7/16 18               |

## Plug with straight cable clamp



## Cross reference

|              |                |
|--------------|----------------|
| <b>06 EC</b> | HE 301 B 06 EC |
|              | MS 3116 F      |
| <b>06 AC</b> | HE 301 B 06 AC |
| <b>06 RC</b> | HE 301 B 06 RC |
|              | MS 3126 F      |
|              | VG 95328 K     |

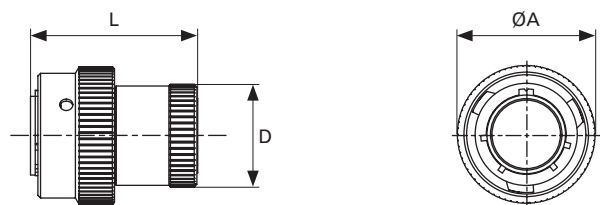
| Shell size | Part numbers<br>solder contacts                                                   | crimp contacts                                           | L max<br>solder  | crimp            | Ø A              | D max            | Ø G max          |
|------------|-----------------------------------------------------------------------------------|----------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|
| 8          | <b>851 06 <sup>EC</sup>/<sub>AC</sub> 8..</b> <sup>P</sup> / <sub>s</sub> . 50..  | <b>851 06 RC 8..</b> <sup>P</sup> / <sub>s</sub> . 50..  | 1.889<br>(48.00) | 1.862<br>(47.30) | 0.750<br>(19.05) | 0.783<br>(19.90) | 0.137<br>(3.50)  |
| 10         | <b>851 06 <sup>EC</sup>/<sub>AC</sub> 10..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RC 10..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.889<br>(48.00) | 1.862<br>(47.30) | 0.858<br>(21.80) | 0.846<br>(21.50) | 0.196<br>(5.00)  |
| 12         | <b>851 06 <sup>EC</sup>/<sub>AC</sub> 12..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RC 12..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.889<br>(48.00) | 1.862<br>(47.30) | 1.029<br>(26.15) | 0.984<br>(25.00) | 0.322<br>(8.20)  |
| 14         | <b>851 06 <sup>EC</sup>/<sub>AC</sub> 14..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RC 14..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 1.889<br>(48.00) | 1.862<br>(47.30) | 1.155<br>(29.35) | 1.094<br>(27.80) | 0.393<br>(10.00) |
| 16         | <b>851 06 <sup>EC</sup>/<sub>AC</sub> 16..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RC 16..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 2.007<br>(51.00) | 1.988<br>(50.50) | 1.279<br>(32.50) | 1.157<br>(29.40) | 0.511<br>(13.00) |
| 18         | <b>851 06 <sup>EC</sup>/<sub>AC</sub> 18..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RC 18..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 2.007<br>(51.00) | 1.988<br>(50.50) | 1.389<br>(35.30) | 1.389<br>(35.30) | 0.629<br>(16.00) |
| 20         | <b>851 06 <sup>EC</sup>/<sub>AC</sub> 20..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RC 20..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 2.047<br>(52.00) | 1.976<br>(50.20) | 1.529<br>(38.85) | 1.389<br>(35.30) | 0.629<br>(16.00) |
| 22         | <b>851 06 <sup>EC</sup>/<sub>AC</sub> 22..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RC 22..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 2.047<br>(52.00) | 1.976<br>(50.20) | 1.655<br>(42.05) | 1.618<br>(41.10) | 0.759<br>(19.30) |
| 24         | <b>851 06 <sup>EC</sup>/<sub>AC</sub> 24..</b> <sup>P</sup> / <sub>s</sub> . 50.. | <b>851 06 RC 24..</b> <sup>P</sup> / <sub>s</sub> . 50.. | 2.047<br>(52.00) | 1.976<br>(50.20) | 1.775<br>(45.10) | 1.669<br>(42.40) | 0.811<br>(20.60) |

Dimensions are in inches (millimeters)

# Souriau 851 series

Hermetic versions

## Plug with backnut

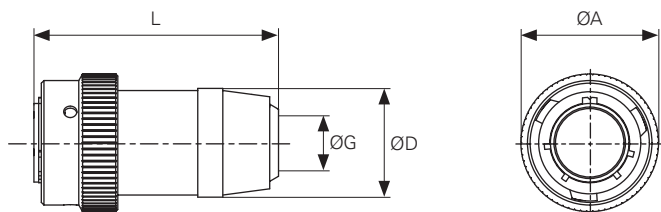


### Cross reference

|             |               |
|-------------|---------------|
| <b>06 E</b> | HE 301 B 06 E |
|             | MS 3116 E     |
| <b>06 R</b> | HE 301 B 06 R |
|             | MS 3126 E     |

| Shell size | Part numbers<br>solder contacts    | crimp contacts                     | L max<br>solder  | crimp            | Ø A              | Ø D max          |
|------------|------------------------------------|------------------------------------|------------------|------------------|------------------|------------------|
| 8          | 851 06 E 8.. $\frac{P}{S} . 50..$  | 851 06 R 8.. $\frac{P}{S} . 50..$  | 1.281<br>(32.54) | 1.259<br>(32.00) | 0.750<br>(19.05) | 0.531<br>(13.50) |
| 10         | 851 06 E 10.. $\frac{P}{S} . 50..$ | 851 06 R 10.. $\frac{P}{S} . 50..$ | 1.281<br>(32.54) | 1.259<br>(32.00) | 0.858<br>(21.80) | 0.657<br>(16.70) |
| 12         | 851 06 E 12.. $\frac{P}{S} . 50..$ | 851 06 R 12.. $\frac{P}{S} . 50..$ | 1.281<br>(32.54) | 1.259<br>(32.00) | 1.029<br>(26.15) | 0.783<br>(19.90) |
| 14         | 851 06 E 14.. $\frac{P}{S} . 50..$ | 851 06 R 14.. $\frac{P}{S} . 50..$ | 1.281<br>(32.54) | 1.259<br>(32.00) | 1.155<br>(29.35) | 0.921<br>(23.40) |
| 16         | 851 06 E 16.. $\frac{P}{S} . 50..$ | 851 06 R 16.. $\frac{P}{S} . 50..$ | 1.281<br>(32.54) | 1.259<br>(32.00) | 1.279<br>(32.50) | 1.047<br>(26.60) |
| 18         | 851 06 E 18.. $\frac{P}{S} . 50..$ | 851 06 R 18.. $\frac{P}{S} . 50..$ | 1.281<br>(32.54) | 1.259<br>(32.00) | 1.389<br>(35.30) | 1.165<br>(29.60) |
| 20         | 851 06 E 20.. $\frac{P}{S} . 50..$ | 851 06 R 20.. $\frac{P}{S} . 50..$ | 1.311<br>(33.30) | 1.263<br>(32.10) | 1.529<br>(38.85) | 1.287<br>(32.70) |
| 22         | 851 06 E 22.. $\frac{P}{S} . 50..$ | 851 06 R 22.. $\frac{P}{S} . 50..$ | 1.311<br>(33.30) | 1.263<br>(32.10) | 1.655<br>(42.05) | 1.417<br>(36.00) |
| 24         | 851 06 E 24.. $\frac{P}{S} . 50..$ | 851 06 R 24.. $\frac{P}{S} . 50..$ | 1.311<br>(33.30) | 1.263<br>(32.10) | 1.775<br>(45.10) | 1.539<br>(39.10) |

## Plug with straight sealing gland backshell



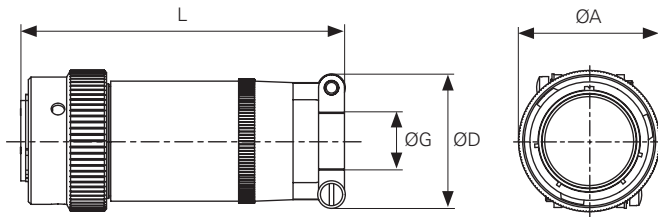
### Cross reference

|             |               |
|-------------|---------------|
| <b>06 J</b> | HE 301 B 06 J |
|-------------|---------------|

| Shell size | Part numbers<br>solder contacts  | crimp contacts | L max<br>solder  | crimp | Ø A              | Ø D max          | Ø G min          | max              |
|------------|----------------------------------|----------------|------------------|-------|------------------|------------------|------------------|------------------|
| 8          | 851 06 J 8.. $\frac{P}{S} . 50$  | —              | 1.874<br>(47.60) | —     | 0.750<br>(19.05) | 0.567<br>(14.40) | 0.197<br>(5.02)  | 0.230<br>(5.84)  |
| 10         | 851 06 J 10.. $\frac{P}{S} . 50$ | —              | 1.874<br>(47.60) | —     | 0.858<br>(21.80) | 0.693<br>(17.60) | 0.233<br>(5.94)  | 0.266<br>(6.76)  |
| 12         | 851 06 J 12.. $\frac{P}{S} . 50$ | —              | 1.917<br>(48.70) | —     | 1.029<br>(26.15) | 0.830<br>(21.10) | 0.367<br>(9.34)  | 0.400<br>(10.16) |
| 14         | 851 06 J 14.. $\frac{P}{S} . 50$ | —              | 2.106<br>(53.50) | —     | 1.155<br>(29.35) | 0.960<br>(24.40) | 0.445<br>(11.32) | 0.478<br>(12.14) |
| 16         | 851 06 J 16.. $\frac{P}{S} . 50$ | —              | 2.322<br>(59.00) | —     | 1.279<br>(32.50) | 1.086<br>(27.60) | 0.578<br>(14.73) | 0.612<br>(15.55) |
| 18         | 851 06 J 18.. $\frac{P}{S} . 50$ | —              | 2.559<br>(65.00) | —     | 1.389<br>(35.30) | 1.212<br>(30.80) | 0.629<br>(16.00) | 0.662<br>(16.82) |
| 20         | 851 06 J 20.. $\frac{P}{S} . 50$ | —              | 3.114<br>(79.10) | —     | 1.529<br>(38.85) | 1.342<br>(34.10) | 0.665<br>(16.89) | 0.697<br>(17.71) |
| 22         | 851 06 J 22.. $\frac{P}{S} . 50$ | —              | 3.149<br>(80.00) | —     | 1.655<br>(42.05) | 1.468<br>(37.30) | 0.700<br>(17.78) | 0.732<br>(18.60) |
| 24         | 851 06 J 24.. $\frac{P}{S} . 50$ | —              | 3.543<br>(90.00) | —     | 1.775<br>(45.10) | 1.594<br>(40.50) | 0.800<br>(20.34) | 0.833<br>(21.16) |

Dimensions are in inches (millimeters)

## Plug with straight sealing gland and cable clamp backshells

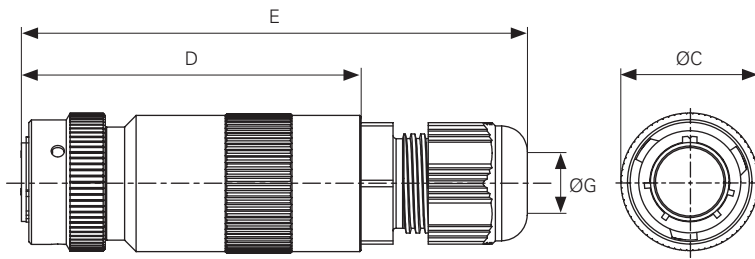


## Cross reference

|       |           |
|-------|-----------|
| 06 JC | MS 3116 J |
|-------|-----------|

| Shell size | Part numbers<br>solder contacts                 | crimp contacts | L max<br>solder   | crimp | A<br>max         | D<br>max         | G<br>min         | max              |
|------------|-------------------------------------------------|----------------|-------------------|-------|------------------|------------------|------------------|------------------|
| 8          | 851 06 JC 8.. <sup>P</sup> <sub>s</sub> . 50..  | —              | 2.270<br>(57.68)  | —     | 0.750<br>(19.05) | 0.783<br>(19.90) | 0.197<br>(5.02)  | 0.230<br>(5.84)  |
| 10         | 851 06 JC 10.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.270<br>(57.68)  | —     | 0.858<br>(21.80) | 0.846<br>(21.50) | 0.233<br>(5.94)  | 0.266<br>(6.76)  |
| 12         | 851 06 JC 12.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.411<br>(61.24)  | —     | 1.029<br>(26.15) | 0.984<br>(25.00) | 0.367<br>(9.34)  | 0.400<br>(10.16) |
| 14         | 851 06 JC 14.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.598<br>(66.01)  | —     | 1.155<br>(29.35) | 1.094<br>(27.80) | 0.445<br>(11.32) | 0.478<br>(12.14) |
| 16         | 851 06 JC 16.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 2.943<br>(74.75)  | —     | 1.279<br>(32.50) | 1.157<br>(29.40) | 0.578<br>(14.73) | 0.612<br>(15.55) |
| 18         | 851 06 JC 18.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.172<br>(80.57)  | —     | 1.389<br>(35.30) | 1.389<br>(35.30) | 0.629<br>(16.00) | 0.662<br>(16.82) |
| 20         | 851 06 JC 20.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.609<br>(91.69)  | —     | 1.529<br>(38.85) | 1.389<br>(35.30) | 0.665<br>(16.89) | 0.696<br>(17.70) |
| 22         | 851 06 JC 22.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.766<br>(95.66)  | —     | 1.655<br>(42.05) | 1.618<br>(41.10) | 0.700<br>(17.78) | 0.732<br>(18.60) |
| 24         | 851 06 JC 24.. <sup>P</sup> <sub>s</sub> . 50.. | —              | 3.985<br>(101.22) | —     | 1.775<br>(45.10) | 1.669<br>(42.40) | 0.800<br>(20.34) | 0.833<br>(21.16) |

## Plug with long metallic adaptor and plastic cable gland



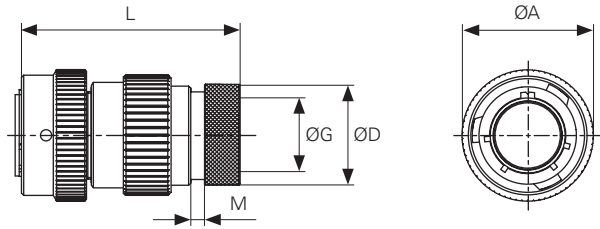
| Shell size | Part numbers<br>solder contacts        | crimp contacts | L max<br>solder  | crimp | Ø A              | D<br>max         | ØG<br>min       | max              |
|------------|----------------------------------------|----------------|------------------|-------|------------------|------------------|-----------------|------------------|
| 8          | 851 06L 8 <sup>P</sup> <sub>s</sub> *  | —              | 3.189<br>(81.00) | —     | 0.759<br>(19.30) | 2.244<br>(57.00) | 0.157<br>(4.00) | 0.196<br>(5.00)  |
| 10         | 851 06L 10 <sup>P</sup> <sub>s</sub> * | —              | 3.307<br>(84.00) | —     | 0.866<br>(22.00) | 2.244<br>(57.00) | 0.157<br>(4.00) | 0.236<br>(6.00)  |
| 12         | 851 06L 12 <sup>P</sup> <sub>s</sub> * | —              | 3.385<br>(86.00) | —     | 1.035<br>(26.30) | 2.244<br>(57.00) | 0.157<br>(4.00) | 0.275<br>(7.00)  |
| 14         | 851 06L 14 <sup>P</sup> <sub>s</sub> * | —              | 3.425<br>(87.00) | —     | 1.161<br>(29.50) | 2.244<br>(57.00) | 0.157<br>(4.00) | 0.354<br>(9.00)  |
| 16         | 851 06L 16 <sup>P</sup> <sub>s</sub> * | —              | 3.543<br>(90.00) | —     | 1.287<br>(32.70) | 2.244<br>(57.00) | 0.236<br>(6.00) | 0.472<br>(12.00) |

Note: \* Specification available in black-zinc nickel or black anodized (see Page 13)

# Souriau 851 series

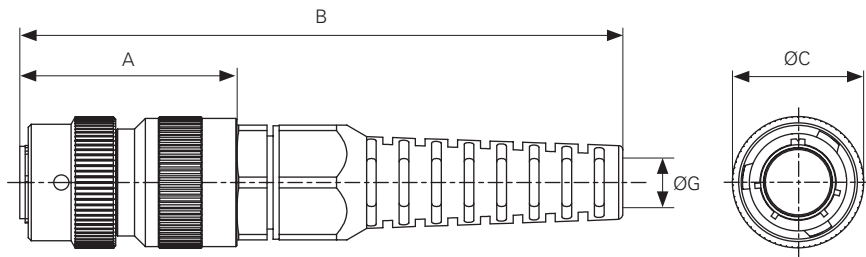
Hermetic versions

## Plug with removable straight backshell for heatshrink sleeving



| Shell size | Part numbers<br>solder contacts                | crimp contacts                                  | L max<br>solder  | crimp            | Ø A              | Ø D<br>max       | Ø G<br>max       | M<br>max        |
|------------|------------------------------------------------|-------------------------------------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 8          | 851 06 M 8.. <sup>P</sup> <sub>s</sub> . 50..  | 851 06 RM 8.. <sup>P</sup> <sub>s</sub> . 50..  | 1.668<br>(50.00) | 1.668<br>(50.00) | 0.750<br>(19.05) | 0.533<br>(13.55) | 0.277<br>(7.05)  | 0.137<br>(3.50) |
| 10         | 851 06 M 10.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RM 10.. <sup>P</sup> <sub>s</sub> . 50.. | 1.668<br>(50.00) | 1.668<br>(50.00) | 0.858<br>(21.80) | 0.604<br>(15.35) | 0.389<br>(9.90)  | 0.137<br>(3.50) |
| 12         | 851 06 M 12.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RM 12.. <sup>P</sup> <sub>s</sub> . 50.. | 1.668<br>(50.00) | 1.668<br>(50.00) | 1.029<br>(26.15) | 0.766<br>(19.48) | 0.496<br>(12.60) | 0.137<br>(3.50) |
| 14         | 851 06 M 14.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RM 14.. <sup>P</sup> <sub>s</sub> . 50.. | 1.668<br>(50.00) | 1.668<br>(50.00) | 1.155<br>(29.35) | 0.838<br>(21.30) | 0.626<br>(15.90) | 0.137<br>(3.50) |
| 16         | 851 06 M 16.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RM 16.. <sup>P</sup> <sub>s</sub> . 50.. | 1.668<br>(50.00) | 1.668<br>(50.00) | 1.279<br>(32.50) | 0.964<br>(24.50) | 0.746<br>(18.95) | 0.137<br>(3.50) |
| 18         | 851 06 M 18.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RM 18.. <sup>P</sup> <sub>s</sub> . 50.. | 1.668<br>(50.00) | 1.668<br>(50.00) | 1.389<br>(35.30) | 1.041<br>(26.45) | 0.822<br>(20.90) | 0.137<br>(3.50) |
| 20         | 851 06 M 20.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RM 20.. <sup>P</sup> <sub>s</sub> . 50.. | 2.047<br>(52.00) | 2.047<br>(52.00) | 1.529<br>(38.85) | 1.209<br>(30.73) | 0.933<br>(23.70) | 0.137<br>(3.50) |
| 22         | 851 06 M 22.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RM 22.. <sup>P</sup> <sub>s</sub> . 50.. | 2.047<br>(52.00) | 2.047<br>(52.00) | 1.655<br>(42.05) | 1.348<br>(34.24) | 1.047<br>(26.60) | 0.137<br>(3.50) |
| 24         | 851 06 M 24.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RM 24.. <sup>P</sup> <sub>s</sub> . 50.. | 2.047<br>(52.00) | 2.047<br>(52.00) | 1.775<br>(45.10) | 1.435<br>(36.47) | 1.153<br>(29.30) | 0.137<br>(3.50) |

## Plug with short metallic adaptor and plastic cable gland with spiral protector



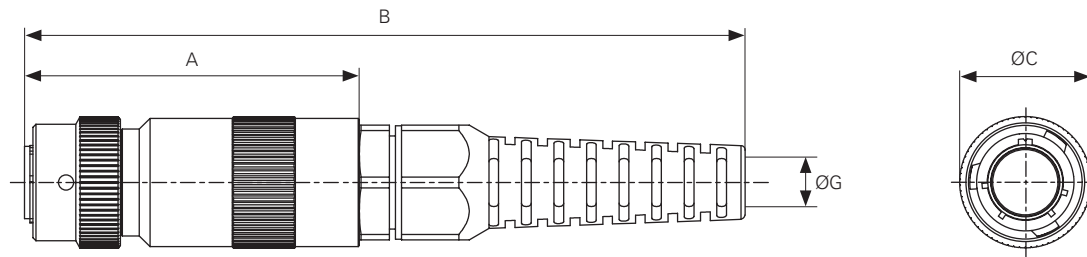
| Shell size | Part numbers<br>solder contacts         | crimp contacts | L max<br>solder   | crimp | Ø A              | D max            | Ø G<br>min      | max              |
|------------|-----------------------------------------|----------------|-------------------|-------|------------------|------------------|-----------------|------------------|
| 8          | 851 06NS 8 <sup>P</sup> <sub>s</sub> *  | —              | 3.582<br>(91.00)  | —     | 0.759<br>(19.30) | 1.456<br>(37.00) | 0.157<br>(4.00) | 0.256<br>(6.50)  |
| 10         | 851 06NS 10 <sup>P</sup> <sub>s</sub> * | —              | 3.976<br>(101.00) | —     | 0.866<br>(22.00) | 1.456<br>(37.00) | 0.157<br>(4.00) | 0.275<br>(7.00)  |
| 12         | 851 06NS 12 <sup>P</sup> <sub>s</sub> * | —              | 4.488<br>(114.00) | —     | 1.035<br>(26.30) | 1.456<br>(37.00) | 0.157<br>(4.00) | 0.275<br>(7.00)  |
| 14         | 851 06NS 14 <sup>P</sup> <sub>s</sub> * | —              | 4.921<br>(125.00) | —     | 1.161<br>(29.50) | 1.456<br>(37.00) | 0.157<br>(4.00) | 0.275<br>(7.00)  |
| 16         | 851 06NS 16 <sup>P</sup> <sub>s</sub> * | —              | 5.669<br>(144.00) | —     | 1.287<br>(32.70) | 1.653<br>(42.00) | 0.236<br>(6.00) | 0.433<br>(11.00) |

Note: \* Specification available in black-zinc nickel or black anodized (see Page 13)

Dimensions are in inches (millimeters)



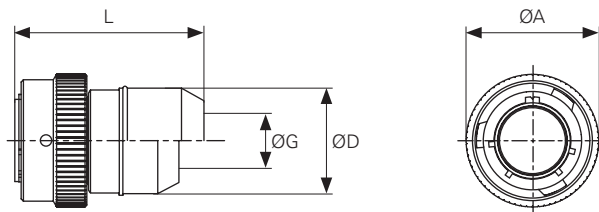
## Plug with long metallic adaptor and plastic cable gland with spiral protector



| Shell size | Part numbers<br>solder contacts     | crimp contacts | L max<br>solder   | crimp | Ø A              | D max            | Ø G<br>min      | max              |
|------------|-------------------------------------|----------------|-------------------|-------|------------------|------------------|-----------------|------------------|
| 8          | 851 06NL 8.. <sup>P</sup> s . 50..  | —              | 4.370<br>(111.00) | —     | 0.759<br>(19.30) | 2.244<br>(57.00) | 0.157<br>(4.00) | 0.256<br>(6.50)  |
| 10         | 851 06NL 10.. <sup>P</sup> s . 50.. | —              | 4.763<br>(121.00) | —     | 0.866<br>(22.00) | 2.244<br>(57.00) | 0.157<br>(4.00) | 0.275<br>(7.00)  |
| 12         | 851 06NL 12.. <sup>P</sup> s . 50.. | —              | 5.275<br>(134.00) | —     | 1.035<br>(26.30) | 2.244<br>(57.00) | 0.157<br>(4.00) | 0.275<br>(7.00)  |
| 14         | 851 06NL 14.. <sup>P</sup> s . 50.. | —              | 5.708<br>(145.00) | —     | 1.161<br>(29.50) | 2.244<br>(57.00) | 0.157<br>(4.00) | 0.275<br>(7.00)  |
| 16         | 851 06NL 16.. <sup>P</sup> s . 50.. | —              | 6.259<br>(159.00) | —     | 1.287<br>(32.70) | 2.244<br>(57.00) | 0.236<br>(6.00) | 0.433<br>(11.00) |

Note: \* Specification available in black-zinc nickel or black anodized (see Page 13)

## Plug with straight backshell for potting



## Cross reference

|       |                |
|-------|----------------|
| 06 P  | HE 301 B 06 P  |
|       | MS 3116 P      |
| 06 RP | HE 301 B 06 RP |
|       | MS 3126 P      |

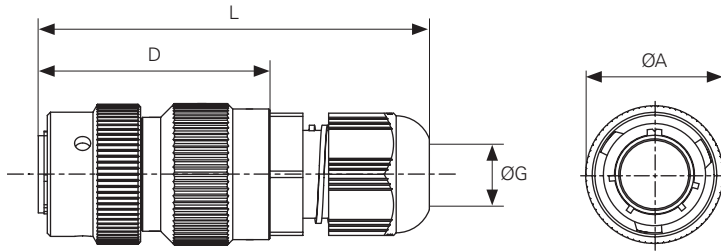
| Shell size | Part numbers<br>solder contacts     | crimp contacts                       | L max<br>solder  | crimp            | Ø A              | Ø D<br>max       | Ø G              |
|------------|-------------------------------------|--------------------------------------|------------------|------------------|------------------|------------------|------------------|
| 8          | 851 06 P 8.. <sup>P</sup> s . 50..  | 851 06 RP 8.. <sup>P</sup> s . 50..  | 1.425<br>(36.20) | 1.657<br>(42.10) | 0.750<br>(19.05) | 0.604<br>(15.34) | 0.411<br>(10.46) |
| 10         | 851 06 P 10.. <sup>P</sup> s . 50.. | 851 06 RP 10.. <sup>P</sup> s . 50.. | 1.425<br>(36.20) | 1.657<br>(42.10) | 0.858<br>(21.80) | 0.696<br>(17.70) | 0.533<br>(13.55) |
| 12         | 851 06 P 12.. <sup>P</sup> s . 50.. | 851 06 RP 12.. <sup>P</sup> s . 50.. | 1.425<br>(36.20) | 1.657<br>(42.10) | 1.029<br>(26.15) | 0.854<br>(21.69) | 0.549<br>(13.96) |
| 14         | 851 06 P 14.. <sup>P</sup> s . 50.. | 851 06 RP 14.. <sup>P</sup> s . 50.. | 1.425<br>(36.20) | 1.657<br>(42.10) | 1.155<br>(29.35) | 0.940<br>(23.90) | 0.685<br>(17.42) |
| 16         | 851 06 P 16.. <sup>P</sup> s . 50.. | 851 06 RP 16.. <sup>P</sup> s . 50.. | 1.425<br>(36.20) | 1.657<br>(42.10) | 1.279<br>(32.50) | 1.063<br>(27.00) | 0.809<br>(20.56) |
| 18         | 851 06 P 18.. <sup>P</sup> s . 50.. | 851 06 RP 18.. <sup>P</sup> s . 50.. | 1.484<br>(37.70) | 1.787<br>(45.40) | 1.389<br>(35.30) | 1.200<br>(30.50) | 0.931<br>(23.66) |
| 20         | 851 06 P 20.. <sup>P</sup> s . 50.. | 851 06 RP 20.. <sup>P</sup> s . 50.. | 1.669<br>(42.40) | 1.668<br>(50.00) | 1.529<br>(38.85) | 1.324<br>(33.65) | 0.941<br>(23.92) |
| 22         | 851 06 P 22.. <sup>P</sup> s . 50.. | 851 06 RP 22.. <sup>P</sup> s . 50.. | 1.669<br>(42.40) | 1.668<br>(50.00) | 1.655<br>(42.05) | 1.460<br>(37.10) | 1.004<br>(25.52) |
| 24         | 851 06 P 24.. <sup>P</sup> s . 50.. | 851 06 RP 24.. <sup>P</sup> s . 50.. | 1.687<br>(42.85) | 1.668<br>(50.00) | 1.775<br>(45.10) | 1.574<br>(40.00) | 1.259<br>(32.00) |

Dimensions are in inches (millimeters)

# Souriau 851 series

Hermetic versions

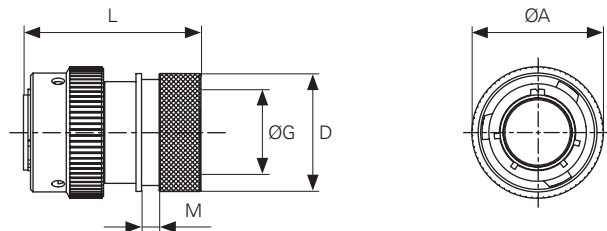
## Plug with short metallic adaptor and plastic cable gland



| Shell size | Part numbers<br>solder contacts        | crimp contacts | L max solder     | crimp | Ø A max          | D max            | Ø G min         | max   |
|------------|----------------------------------------|----------------|------------------|-------|------------------|------------------|-----------------|-------|
| 8          | 851 06S 8 <sup>P</sup> <sub>s</sub> *  | —              | 2.401<br>(61.00) | —     | 0.759<br>(19.30) | 1.456<br>(37.00) | 0.157<br>(4.00) | 5.00  |
| 10         | 851 06S 10 <sup>P</sup> <sub>s</sub> * | —              | 2.519<br>(64.00) | —     | 0.866<br>(22.00) | 1.456<br>(37.00) | 0.157<br>(4.00) | 6.00  |
| 12         | 851 06S 12 <sup>P</sup> <sub>s</sub> * | —              | 2.598<br>(66.00) | —     | 1.035<br>(26.30) | 1.456<br>(37.00) | 0.157<br>(4.00) | 7.00  |
| 14         | 851 06S 14 <sup>P</sup> <sub>s</sub> * | —              | 2.637<br>(67.00) | —     | 1.161<br>(29.50) | 1.456<br>(37.00) | 0.157<br>(4.00) | 9.00  |
| 16         | 851 06S 16 <sup>P</sup> <sub>s</sub> * | —              | 2.952<br>(75.00) | —     | 1.287<br>(32.70) | 1.653<br>(42.00) | 0.236<br>(6.00) | 12.00 |

Note: \* Specification available in black-zinc nickel or black anodized (see Page 13)

## Plug with straight backshell for heatshrink sleeving



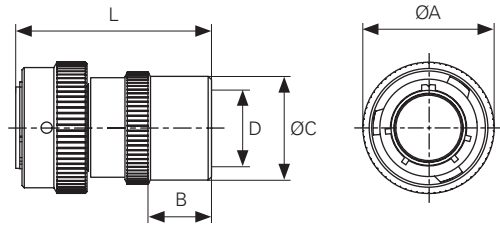
### Cross reference

|       |            |
|-------|------------|
| 06 T  | —          |
| 06 RT | VG 95328 J |

| Shell size | Part numbers<br>solder contacts                | crimp contacts                                  | L max<br>solder  | crimp            | Ø A              | Ø D<br>max       | G<br>min         | max              | M<br>max        |
|------------|------------------------------------------------|-------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 8          | 851 06 T 8.. <sup>P</sup> <sub>s</sub> . 50..  | 851 06 RT 8.. <sup>P</sup> <sub>s</sub> . 50..  | 1.444<br>(36.70) | 1.417<br>(36.00) | 0.750<br>(19.05) | 0.604<br>(15.35) | 0.283<br>(7.20)  | 0.263<br>(6.70)  | 0.145<br>(3.70) |
| 10         | 851 06 T 10.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RT 10.. <sup>P</sup> <sub>s</sub> . 50.. | 1.444<br>(36.70) | 1.417<br>(36.00) | 0.858<br>(21.80) | 0.714<br>(18.15) | 0.401<br>(10.20) | 0.370<br>(9.40)  | 0.145<br>(3.70) |
| 12         | 851 06 T 12.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RT 12.. <sup>P</sup> <sub>s</sub> . 50.. | 1.444<br>(36.70) | 1.417<br>(36.00) | 1.029<br>(26.15) | 0.923<br>(23.45) | 0.519<br>(13.20) | 0.460<br>(11.95) | 0.145<br>(3.70) |
| 14         | 851 06 T 14.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RT 14.. <sup>P</sup> <sub>s</sub> . 50.. | 1.444<br>(36.70) | 1.417<br>(36.00) | 1.155<br>(29.35) | 0.954<br>(24.25) | 0.633<br>(16.10) | 0.596<br>(15.15) | 0.145<br>(3.70) |
| 16         | 851 06 T 16.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RT 16.. <sup>P</sup> <sub>s</sub> . 50.. | 1.535<br>(39.00) | 1.507<br>(38.30) | 1.279<br>(32.50) | 1.163<br>(29.55) | 0.757<br>(19.25) | 0.710<br>(18.05) | 0.145<br>(3.70) |
| 18         | 851 06 T 18.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RT 18.. <sup>P</sup> <sub>s</sub> . 50.. | 1.535<br>(39.00) | 1.507<br>(38.30) | 1.389<br>(35.30) | 1.250<br>(31.75) | 0.838<br>(21.30) | 0.785<br>(19.95) | 0.145<br>(3.70) |
| 20         | 851 06 T 20.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RT 20.. <sup>P</sup> <sub>s</sub> . 50.. | 1.732<br>(44.00) | 1.688<br>(42.90) | 1.529<br>(38.85) | 1.411<br>(35.85) | 0.960<br>(24.40) | 0.907<br>(23.05) | 0.145<br>(3.70) |
| 22         | 851 06 T 22.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RT 22.. <sup>P</sup> <sub>s</sub> . 50.. | 1.732<br>(44.00) | 1.688<br>(42.90) | 1.655<br>(42.05) | 1.503<br>(38.20) | 1.082<br>(27.50) | 1.006<br>(25.55) | 0.145<br>(3.70) |
| 24         | 851 06 T 24.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RT 24.. <sup>P</sup> <sub>s</sub> . 50.. | 1.681<br>(41.60) | 1.637<br>(41.60) | 1.775<br>(45.10) | 1.626<br>(41.30) | 1.204<br>(30.60) | 1.127<br>(28.65) | 0.145<br>(3.70) |

Dimensions are in inches (millimeters)

### Plug with straight adaptor for electrical pitch access

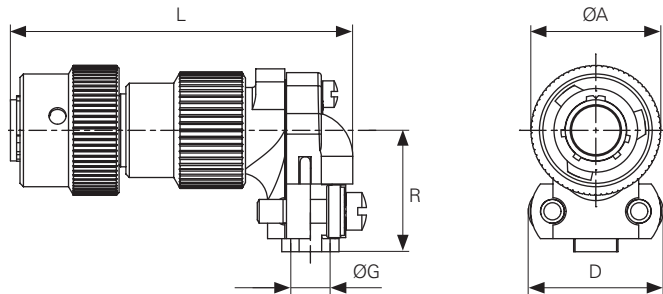


The Z type special adaptor equips crimp plug 851 06 RZ fits following accessories:

- Packing gland collet backshell
- Backshell for polyflex sleeving
- Backshell for C.N.O.M.O. tube

| Shell size | Part numbers<br>solder contacts                | crimp contacts                                  | L max<br>solder  | crimp            | Ø A<br>max       | B<br>max         | Ø D max          | G threading<br>PE |
|------------|------------------------------------------------|-------------------------------------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| 8          | —                                              | —                                               | —                | —                | —                | —                | —                | —                 |
| 10         | —                                              | —                                               | —                | —                | —                | —                | —                | —                 |
| 12         | 851 06 Z 12.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RZ 12.. <sup>P</sup> <sub>s</sub> . 50.. | 1.693<br>(43.00) | 1.693<br>(43.00) | 1.029<br>(26.15) | 0.358<br>(9.10)  | 0.976<br>(24.80) | 0.433<br>(11.00)  |
| 14         | 851 06 Z 14.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RZ 14.. <sup>P</sup> <sub>s</sub> . 50.. | 1.771<br>(45.00) | 1.771<br>(45.00) | 1.155<br>(29.35) | 0.433<br>(11.00) | 1.133<br>(28.80) | 0.629<br>(16.00)  |
| 16         | 851 06 Z 16.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RZ 16.. <sup>P</sup> <sub>s</sub> . 50.. | 1.771<br>(45.00) | 1.771<br>(45.00) | 1.279<br>(32.50) | 0.433<br>(11.00) | 1.212<br>(30.80) | 0.629<br>(16.00)  |
| 18         | 851 06 Z 18.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RZ 18.. <sup>P</sup> <sub>s</sub> . 50.. | 1.811<br>(46.00) | 1.811<br>(46.00) | 1.389<br>(35.30) | 0.472<br>(12.00) | 1.606<br>(40.80) | 0.826<br>(21.00)  |
| 20         | 851 06 Z 20.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RZ 20.. <sup>P</sup> <sub>s</sub> . 50.. | 1.830<br>(46.50) | 1.830<br>(46.50) | 1.529<br>(38.85) | 0.472<br>(12.00) | 1.606<br>(40.80) | 0.826<br>(21.00)  |
| 22         | 851 06 Z 22.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RZ 22.. <sup>P</sup> <sub>s</sub> . 50.. | 1.830<br>(46.50) | 1.830<br>(46.50) | 1.655<br>(42.05) | 0.472<br>(12.00) | 1.606<br>(40.80) | 0.826<br>(21.00)  |
| 24         | 851 06 Z 24.. <sup>P</sup> <sub>s</sub> . 50.. | 851 06 RZ 24.. <sup>P</sup> <sub>s</sub> . 50.. | 2.578<br>(65.50) | 2.578<br>(65.50) | 1.775<br>(45.10) | 1.236<br>(31.40) | 1.771<br>(45.00) | 1.141<br>(29.00)  |

### Plug with elbow cable clamp backshell



#### Cross reference

|       |                |
|-------|----------------|
| 08 EC | HE 301 B 08 EC |
| 08 RC | HE 301 B 08 RC |

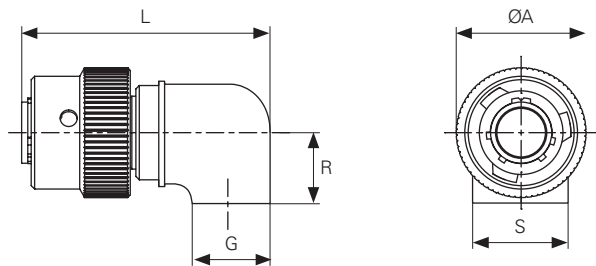
| Shell size | Part numbers<br>solder contacts                 | crimp contacts                                  | L max<br>solder  | crimp            | Ø A<br>max       | D<br>max          | Ø G              | R<br>max         |
|------------|-------------------------------------------------|-------------------------------------------------|------------------|------------------|------------------|-------------------|------------------|------------------|
| 8          | 851 08 EC 8.. <sup>P</sup> <sub>s</sub> . 50..  | 851 08 RC 8.. <sup>P</sup> <sub>s</sub> . 50..  | 1.972<br>(50.10) | 1.972<br>(50.10) | 0.750<br>(19.05) | 0.775<br>(19.70)  | 0.137<br>(3.50)  | 0.629<br>(16.00) |
| 10         | 851 08 EC 10.. <sup>P</sup> <sub>s</sub> . 50.. | 851 08 RC 10.. <sup>P</sup> <sub>s</sub> . 50.. | 2.070<br>(52.60) | 2.070<br>(52.60) | 0.858<br>(21.80) | 0.834<br>(21.20)  | 0.196<br>(5.00)  | 0.708<br>(18.00) |
| 12         | 851 08 EC 12.. <sup>P</sup> <sub>s</sub> . 50.. | 851 08 RC 12.. <sup>P</sup> <sub>s</sub> . 50.. | 2.161<br>(54.90) | 2.161<br>(54.90) | 1.029<br>(26.15) | 0.952<br>(24.20)  | 0.322<br>(8.20)  | 0.767<br>(19.50) |
| 14         | 851 08 EC 14.. <sup>P</sup> <sub>s</sub> . 50.. | 851 08 RC 14.. <sup>P</sup> <sub>s</sub> . 50.. | 2.303<br>(58.50) | 2.303<br>(58.50) | 1.155<br>(29.35) | 1.082<br>(27.50)  | 0.393<br>(10.00) | 0.866<br>(22.00) |
| 16         | 851 08 EC 16.. <sup>P</sup> <sub>s</sub> . 50.. | 851 08 RC 16.. <sup>P</sup> <sub>s</sub> . 50.. | 2.393<br>(60.80) | 2.393<br>(60.80) | 1.279<br>(32.50) | 1.145<br>(29.10)  | 0.511<br>(13.00) | 0.925<br>(23.50) |
| 18         | 851 08 EC 18.. <sup>P</sup> <sub>s</sub> . 50.. | 851 08 RC 18.. <sup>P</sup> <sub>s</sub> . 50.. | 2.559<br>(65.00) | 2.559<br>(65.00) | 1.389<br>(35.30) | 1.405<br>(35.70)  | 0.629<br>(16.00) | 0.984<br>(25.00) |
| 20         | 851 08 EC 20.. <sup>P</sup> <sub>s</sub> . 50.. | 851 08 RC 20.. <sup>P</sup> <sub>s</sub> . 50.. | 2.720<br>(69.10) | 2.720<br>(69.10) | 1.529<br>(38.85) | 1.405<br>(35.70)  | 0.629<br>(16.00) | 1.043<br>(26.50) |
| 22         | 851 08 EC 22.. <sup>P</sup> <sub>s</sub> . 50.. | 851 08 RC 22.. <sup>P</sup> <sub>s</sub> . 50.. | 2.795<br>(71.00) | 2.795<br>(71.00) | 1.655<br>(42.05) | 1.563<br>(39.70)  | 0.759<br>(19.30) | 1.102<br>(28.00) |
| 24         | 851 08 EC 24.. <sup>P</sup> <sub>s</sub> . 50.. | 851 08 RC 24.. <sup>P</sup> <sub>s</sub> . 50.. | 2.972<br>(75.50) | 2.972<br>(75.50) | 1.775<br>(45.10) | 1.7121<br>(43.50) | 0.811<br>(20.60) | 1.220<br>(31.00) |

Dimensions are in inches (millimeters)

# Souriau 851 series

Hermetic versions

## Plug with elbow backshell for potting

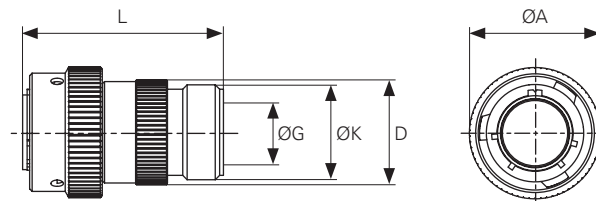


### Cross reference

|       |                |
|-------|----------------|
| 08 P  | HE 301 B 08 P  |
| 08 RP | HE 301 B 08 RP |

| Shell size | Part numbers<br>solder contacts                  | crimp contacts                                    | L max<br>solder  | crimp            | Ø A<br>max       | G<br>max         | R<br>max         | S<br>max         |
|------------|--------------------------------------------------|---------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 8          | 851 08 P 8.. <sup>P</sup> / <sub>S</sub> . 50..  | 851 08 RP 8.. <sup>P</sup> / <sub>S</sub> . 50..  | 1.602<br>(40.70) | 1.602<br>(40.70) | 0.750<br>(19.05) | 0.319<br>(8.10)  | 0.451<br>(11.70) | 0.444<br>(11.30) |
| 10         | 851 08 P 10.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 08 RP 10.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.767<br>(44.90) | 1.767<br>(44.90) | 0.858<br>(21.80) | 0.444<br>(11.30) | 0.565<br>(14.35) | 0.570<br>(14.50) |
| 12         | 851 08 P 12.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 08 RP 12.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.846<br>(46.90) | 1.846<br>(46.90) | 1.029<br>(26.15) | 0.523<br>(13.30) | 0.626<br>(15.90) | 0.696<br>(17.70) |
| 14         | 851 08 P 14.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 08 RP 14.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.937<br>(49.20) | 1.937<br>(49.20) | 1.155<br>(29.35) | 0.633<br>(16.10) | 0.641<br>(16.30) | 0.791<br>(20.10) |
| 16         | 851 08 P 16.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 08 RP 16.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.992<br>(50.60) | 1.992<br>(50.60) | 1.279<br>(32.50) | 0.665<br>(16.90) | 0.759<br>(19.30) | 0.897<br>(22.80) |
| 18         | 851 08 P 18.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 08 RP 18.. <sup>P</sup> / <sub>S</sub> . 50.. | 2.039<br>(51.80) | 2.039<br>(51.80) | 1.389<br>(35.30) | 0.712<br>(18.10) | 0.811<br>(20.60) | 1.007<br>(25.60) |
| 20         | 851 08 P 20.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 08 RP 20.. <sup>P</sup> / <sub>S</sub> . 50.. | 2.114<br>(53.70) | 2.114<br>(53.70) | 1.529<br>(38.85) | 0.819<br>(20.80) | 0.862<br>(21.90) | 1.133<br>(28.80) |
| 22         | 851 08 P 22.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 08 RP 22.. <sup>P</sup> / <sub>S</sub> . 50.. | 2.157<br>(54.80) | 2.157<br>(54.80) | 1.655<br>(42.05) | 0.819<br>(20.80) | 0.925<br>(23.50) | 1.244<br>(31.60) |
| 24         | 851 08 P 24.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 08 RP 24.. <sup>P</sup> / <sub>S</sub> . 50.. | 2.291<br>(58.20) | 2.291<br>(58.20) | 1.775<br>(45.10) | 0.952<br>(24.20) | 30.15<br>(30.15) | 1.385<br>(35.20) |

## Shielded plug with straight adaptor



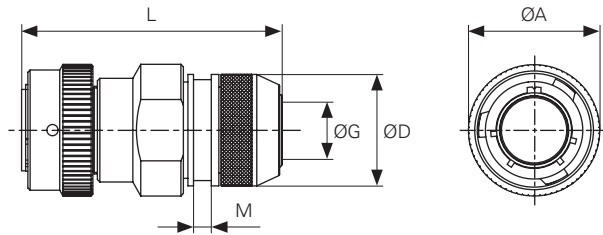
### Cross reference

|       |            |
|-------|------------|
| 36 A  | —          |
| 36 RA | VG 95328 N |

| Shell size | Part numbers<br>solder contacts                  | crimp contacts                                    | L max<br>solder  | crimp            | Ø A<br>max       | Ø D<br>max       | Ø G<br>max       | K<br>threading<br>UNEF 2A |
|------------|--------------------------------------------------|---------------------------------------------------|------------------|------------------|------------------|------------------|------------------|---------------------------|
| 8          | 851 36 A 8.. <sup>P</sup> / <sub>S</sub> . 50..  | 851 36 RA 8.. <sup>P</sup> / <sub>S</sub> . 50..  | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.750<br>(19.05) | 0.570<br>(14.50) | 0.358<br>(9.10)  | 1/2 28                    |
| 10         | 851 36 A 10.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 36 RA 10.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 0.858<br>(21.80) | 0.736<br>(18.70) | 0.475<br>(12.08) | 5/8 24                    |
| 12         | 851 36 A 12.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 36 RA 12.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.029<br>(26.15) | 0.854<br>(21.70) | 0.600<br>(15.25) | 3/4 20                    |
| 14         | 851 36 A 14.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 36 RA 14.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.155<br>(29.35) | 0.988<br>(25.0)  | 0.714<br>(18.15) | 7/8 20                    |
| 16         | 851 36 A 16.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 36 RA 16.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.279<br>(32.50) | 1.107<br>(28.13) | 0.839<br>(21.32) | 1-20                      |
| 18         | 851 36 A 18.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 36 RA 18.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.389<br>(35.30) | 1.235<br>(31.38) | 0.957<br>(24.32) | 1-3/16 18                 |
| 20         | 851 36 A 20.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 36 RA 20.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.704<br>(43.30) | 1.704<br>(43.30) | 1.529<br>(38.85) | 1.350<br>(34.30) | 1.052<br>(26.73) | 1-3/16 18                 |
| 22         | 851 36 A 22.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 36 RA 22.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.704<br>(43.30) | 1.704<br>(43.30) | 1.655<br>(42.05) | 1.480<br>(37.60) | 1.207<br>(30.67) | 1-7/16 18                 |
| 24         | 851 36 A 24.. <sup>P</sup> / <sub>S</sub> . 50.. | 851 36 RA 24.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.712<br>(43.50) | 1.712<br>(43.50) | 1.775<br>(45.10) | 1.602<br>(40.70) | 1.302<br>(33.08) | 1-7/16 18                 |

Dimensions are in inches (millimeters)

## Shielded plug with removable straight backshell for screen termination and heatshrink sleeving

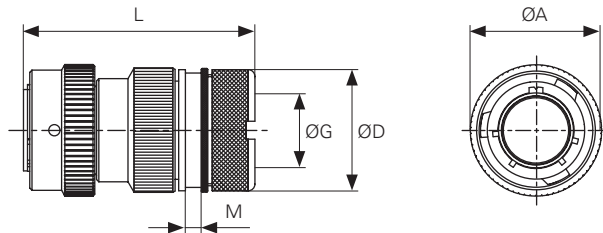


## Cross reference

|       |            |
|-------|------------|
| 36 G  | —          |
| 36 RG | VG 95328 M |

| Shell size | Part numbers<br>solder contacts                   | crimp contacts                                     | L max<br>solder  | crimp            | Ø A<br>max       | Ø D<br>max       | Ø G<br>max       | M<br>max        |
|------------|---------------------------------------------------|----------------------------------------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 8          | 851 36 G 8 .. <sup>P</sup> / <sub>s</sub> . 50..  | 851 36 RG 8 .. <sup>P</sup> / <sub>s</sub> . 50..  | 2.126<br>(54.00) | 2.126<br>(54.00) | 0.750<br>(19.05) | 0.641<br>(16.30) | 0.293<br>(7.45)  | 0.141<br>(3.60) |
| 10         | 851 36 G 10 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RG 10 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.126<br>(54.00) | 2.126<br>(54.00) | 0.858<br>(21.80) | 0.720<br>(18.30) | 0.405<br>(10.30) | 0.141<br>(3.60) |
| 12         | 851 36 G 12 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RG 12 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.126<br>(54.00) | 2.126<br>(54.00) | 1.029<br>(26.15) | 0.878<br>(22.30) | 0.519<br>(13.20) | 0.141<br>(3.60) |
| 14         | 851 36 G 14 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RG 14 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.126<br>(54.00) | 2.126<br>(54.00) | 1.155<br>(29.35) | 0.996<br>(25.30) | 0.649<br>(16.50) | 0.141<br>(3.60) |
| 16         | 851 36 G 16 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RG 16 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.126<br>(54.00) | 2.126<br>(54.00) | 1.279<br>(32.50) | 1.114<br>(28.30) | 0.761<br>(19.35) | 0.141<br>(3.60) |
| 18         | 851 36 G 18 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RG 18 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.126<br>(54.00) | 2.126<br>(54.00) | 1.389<br>(35.30) | 1.271<br>(32.30) | 0.850<br>(21.60) | 0.141<br>(3.60) |
| 20         | 851 36 G 20 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RG 20 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.283<br>(58.00) | 2.283<br>(58.00) | 1.529<br>(38.85) | 1.350<br>(34.30) | 0.976<br>(24.80) | 0.141<br>(3.60) |
| 22         | 851 36 G 22 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RG 22 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.283<br>(58.00) | 2.283<br>(58.00) | 1.655<br>(42.05) | 1.507<br>(38.30) | 1.098<br>(27.90) | 0.141<br>(3.60) |
| 24         | 851 36 G 24 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RG 24 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.283<br>(58.00) | 2.283<br>(58.00) | 1.775<br>(45.10) | 1.626<br>(41.30) | 1.220<br>(31.00) | 0.141<br>(3.60) |

## Shielded plug with removable straight backshell for screen termination and heatshrink sleeving (38 &amp; 42 suffix)



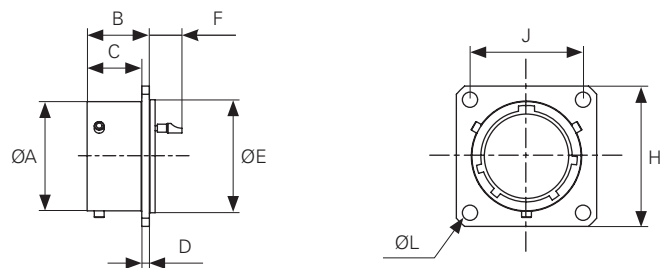
| Shell size | Part numbers<br>solder contacts                   | crimp contacts                                     | L max<br>solder  | crimp            | Ø A<br>max       | Ø D<br>max       | Ø G<br>max       | M<br>max        |
|------------|---------------------------------------------------|----------------------------------------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 8          | 851 36 T 8 .. <sup>P</sup> / <sub>s</sub> . 50..  | 851 36 RT 8 .. <sup>P</sup> / <sub>s</sub> . 50..  | 2.031<br>(51.60) | 2.031<br>(51.60) | 0.750<br>(19.05) | 0.718<br>(18.25) | 0.293<br>(7.45)  | 0.145<br>(3.70) |
| 10         | 851 36 T 10 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RT 10 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.031<br>(51.60) | 2.031<br>(51.60) | 0.858<br>(21.80) | 0.797<br>(20.25) | 0.354<br>(9.00)  | 0.145<br>(3.70) |
| 12         | 851 36 T 12 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RT 12 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.031<br>(51.60) | 2.031<br>(51.60) | 1.029<br>(26.15) | 0.974<br>(24.75) | 0.523<br>(13.30) | 0.145<br>(3.70) |
| 14         | 851 36 T 14 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RT 14 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.031<br>(51.60) | 2.031<br>(51.60) | 1.155<br>(29.35) | 1.092<br>(27.75) | 0.649<br>(16.50) | 0.145<br>(3.70) |
| 16         | 851 36 T 16 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RT 16 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.031<br>(51.60) | 2.031<br>(51.60) | 1.279<br>(32.50) | 1.183<br>(30.05) | 0.728<br>(18.50) | 0.145<br>(3.70) |
| 18         | 851 36 T 18 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RT 18 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.047<br>(52.00) | 2.047<br>(52.00) | 1.389<br>(35.30) | 1.344<br>(34.15) | 0.862<br>(21.90) | 0.145<br>(3.70) |
| 20         | 851 36 T 20 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RT 20 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.122<br>(53.90) | 2.122<br>(53.90) | 1.529<br>(38.85) | 1.466<br>(37.25) | 0.988<br>(25.10) | 0.145<br>(3.70) |
| 22         | 851 36 T 22 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RT 22 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.122<br>(53.90) | 2.122<br>(53.90) | 1.655<br>(42.05) | 1.592<br>(40.45) | 1.110<br>(28.20) | 0.145<br>(3.70) |
| 24         | 851 36 T 24 .. <sup>P</sup> / <sub>s</sub> . 50.. | 851 36 RT 24 .. <sup>P</sup> / <sub>s</sub> . 50.. | 2.122<br>(53.90) | 2.122<br>(53.90) | 1.775<br>(45.10) | 1.718<br>(43.65) | 1.236<br>(31.40) | 0.145<br>(3.70) |

Dimensions are in inches (millimeters)

# Souriau 851 series

## Hermetic connectors

### Square flange receptacle

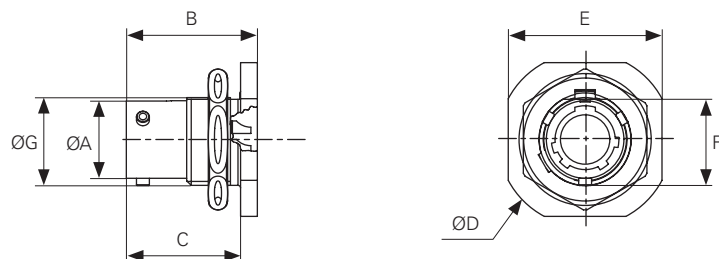


#### Cross reference

|      |               |
|------|---------------|
| 02 H | HE 301 B 02 H |
|------|---------------|

| Shell size | Part numbers             | Ø A max          | B                | C max            | D max           | Ø E              | F max          | H max            | J                | Ø L             |
|------------|--------------------------|------------------|------------------|------------------|-----------------|------------------|----------------|------------------|------------------|-----------------|
| 8          | 851 02 H 8.. P s . 50..  | 0.473<br>(12.03) | 0.544<br>(13.84) | 0.442<br>(11.24) | 0.061<br>(1.55) | 0.561<br>(14.27) | 0.295<br>(7.5) | 0.827<br>(21.03) | 0.594<br>(15.09) | 0.124<br>(3.15) |
| 10         | 851 02 H 10.. P s . 50.. | 0.590<br>(15.01) | 0.544<br>(13.84) | 0.442<br>(11.24) | 0.061<br>(1.55) | 0.672<br>(17.07) | 0.295<br>(7.5) | 0.954<br>(24.23) | 0.718<br>(18.26) | 0.124<br>(3.15) |
| 12         | 851 02 H 12.. P s . 50.. | 0.750<br>(19.07) | 0.544<br>(13.84) | 0.442<br>(11.24) | 0.061<br>(1.55) | 0.781<br>(19.84) | 0.295<br>(7.5) | 1.046<br>(26.59) | 0.811<br>(20.62) | 0.124<br>(3.15) |
| 14         | 851 02 H 14.. P s . 50.. | 0.876<br>(22.25) | 0.544<br>(13.84) | 0.442<br>(11.24) | 0.061<br>(1.55) | 0.906<br>(23.01) | 0.295<br>(7.5) | 1.141<br>(28.98) | 0.905<br>(23.00) | 0.124<br>(3.15) |
| 16         | 851 02 H 16.. P s . 50.. | 1.000<br>(25.42) | 0.544<br>(13.84) | 0.442<br>(11.24) | 0.061<br>(1.55) | 1.031<br>(26.19) | 0.295<br>(7.5) | 1.233<br>(31.34) | 0.968<br>(24.61) | 0.124<br>(3.15) |
| 18         | 851 02 H 18.. P s . 50.. | 1.126<br>(28.60) | 0.544<br>(13.84) | 0.442<br>(11.24) | 0.061<br>(1.55) | 1.156<br>(29.36) | 0.295<br>(7.5) | 1.327<br>(33.73) | 1.061<br>(26.97) | 0.124<br>(3.15) |
| 20         | 851 02 H 20.. P s . 50.. | 1.250<br>(31.77) | 0.607<br>(15.42) | 0.472<br>(12.00) | 0.092<br>(2.36) | 1.250<br>(31.75) | 0.295<br>(7.5) | 1.453<br>(36.91) | 1.156<br>(29.36) | 0.124<br>(3.15) |
| 22         | 851 02 H 22.. P s . 50.. | 1.376<br>(34.95) | 0.639<br>(16.23) | 0.472<br>(12.00) | 0.092<br>(2.36) | 1.374<br>(34.92) | 0.295<br>(7.5) | 1.578<br>(40.10) | 1.250<br>(31.75) | 0.124<br>(3.15) |
| 24         | 851 02 H 24.. P s . 50.. | 1.500<br>(38.12) | 0.670<br>(17.04) | 0.504<br>(12.81) | 0.092<br>(2.36) | 1.500<br>(38.10) | 0.263<br>(6.7) | 1.703<br>(43.27) | 1.374<br>(34.92) | 0.150<br>(3.82) |

### Jam nut receptacle



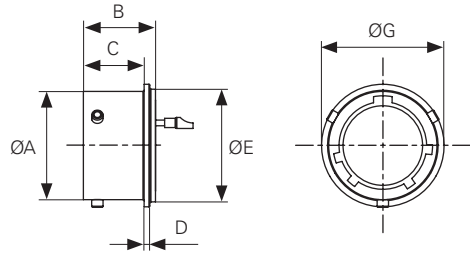
#### Cross reference

|      |               |
|------|---------------|
| 07 H | HE 301 B 07 H |
|      | MS 3114 H     |
|      | VG 95328 F    |

| Shell size | Part numbers             | Ø A max          | B max            | C max            | Ø D max          | E max            | F                | Ø G max          |
|------------|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 8          | 851 07 H 8.. P s . 50..  | 0.473<br>(12.03) | 0.811<br>(20.60) | 0.706<br>(17.93) | 1.077<br>(27.37) | 0.947<br>(24.07) | 0.524<br>(13.33) | 0.561<br>(14.26) |
| 10         | 851 07 H 10.. P s . 50.. | 0.590<br>(15.01) | 0.811<br>(20.60) | 0.706<br>(17.93) | 1.203<br>(30.57) | 1.071<br>(27.22) | 0.650<br>(16.51) | 0.686<br>(17.43) |
| 12         | 851 07 H 12.. P s . 50.. | 0.750<br>(19.07) | 0.811<br>(20.60) | 0.706<br>(17.93) | 1.390<br>(35.32) | 1.259<br>(32.00) | 0.812<br>(20.63) | 0.873<br>(22.19) |
| 14         | 851 07 H 14.. P s . 50.. | 0.876<br>(22.25) | 0.811<br>(20.60) | 0.706<br>(17.93) | 1.515<br>(38.50) | 1.384<br>(35.17) | 0.936<br>(23.78) | 0.998<br>(25.36) |
| 16         | 851 07 H 16.. P s . 50.. | 1.000<br>(25.42) | 0.811<br>(20.60) | 0.706<br>(17.93) | 1.640<br>(41.67) | 1.509<br>(38.35) | 1.060<br>(26.93) | 1.123<br>(28.54) |
| 18         | 851 07 H 18.. P s . 50.. | 1.126<br>(28.60) | 0.811<br>(20.60) | 0.706<br>(17.93) | 1.765<br>(44.85) | 1.634<br>(41.52) | 1.185<br>(30.10) | 1.248<br>(31.71) |
| 20         | 851 07 H 20.. P s . 50.. | 1.250<br>(31.77) | 1.029<br>(26.15) | 0.884<br>(22.70) | 1.953<br>(49.62) | 1.821<br>(46.27) | 1.310<br>(33.28) | 1.373<br>(34.89) |
| 22         | 851 07 H 22.. P s . 50.. | 1.376<br>(34.95) | 1.029<br>(26.15) | 0.884<br>(22.70) | 2.077<br>(52.77) | 1.947<br>(49.47) | 1.435<br>(36.45) | 1.498<br>(38.06) |
| 24         | 851 07 H 24.. P s . 50.. | 1.500<br>(38.12) | 1.062<br>(26.98) | 0.926<br>(23.54) | 2.203<br>(55.97) | 2.071<br>(52.62) | 1.560<br>(39.63) | 1.623<br>(41.24) |

Dimensions are in inches (millimeters)

## Solder fixing receptacle



## Cross reference

|    |             |
|----|-------------|
| IH | HE 301 B 1H |
|    | MS 3113 H   |
|    | VG 95328 G  |

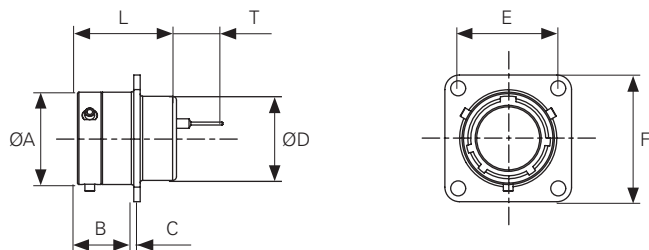
| Shell size | Part numbers                                      | $\varnothing A$ max | B                | C max            | D max           | $\varnothing E$  | F max           | G max            |
|------------|---------------------------------------------------|---------------------|------------------|------------------|-----------------|------------------|-----------------|------------------|
| 8          | 851 02 IH 8.. <sup>P</sup> / <sub>S</sub> . 50..  | 0.473<br>(12.03)    | 0.544<br>(13.84) | 0.421<br>(10.70) | 0.031<br>(0.80) | 0.561<br>(14.27) | 0.338<br>(8.60) | 0.645<br>(16.40) |
| 10         | 851 02 IH 10.. <sup>P</sup> / <sub>S</sub> . 50.. | 0.590<br>(15.01)    | 0.544<br>(13.84) | 0.421<br>(10.70) | 0.031<br>(0.80) | 0.672<br>(17.07) | 0.338<br>(8.60) | 0.763<br>(19.40) |
| 12         | 851 02 IH 12.. <sup>P</sup> / <sub>S</sub> . 50.. | 0.750<br>(19.07)    | 0.544<br>(13.84) | 0.421<br>(10.70) | 0.031<br>(0.80) | 0.781<br>(19.84) | 0.338<br>(8.60) | 0.858<br>(21.80) |
| 14         | 851 02 IH 14.. <sup>P</sup> / <sub>S</sub> . 50.. | 0.876<br>(22.25)    | 0.544<br>(13.84) | 0.421<br>(10.70) | 0.031<br>(0.80) | 0.906<br>(23.01) | 0.338<br>(8.60) | 0.984<br>(25.00) |
| 16         | 851 02 IH 16.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.000<br>(25.42)    | 0.544<br>(13.84) | 0.421<br>(10.70) | 0.031<br>(0.80) | 1.031<br>(26.19) | 0.338<br>(8.60) | 1.106<br>(28.10) |
| 18         | 851 02 IH 18.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.126<br>(28.60)    | 0.544<br>(13.84) | 0.421<br>(10.70) | 0.031<br>(0.80) | 1.156<br>(29.36) | 0.338<br>(8.60) | 1.232<br>(31.30) |
| 20         | 851 02 IH 20.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.250<br>(31.77)    | 0.607<br>(15.42) | 0.500<br>(12.70) | 0.031<br>(0.80) | 1.250<br>(31.75) | 0.338<br>(8.60) | 1.326<br>(33.70) |
| 22         | 851 02 IH 22.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.376<br>(34.95)    | 0.639<br>(16.23) | 0.500<br>(12.70) | 0.031<br>(0.80) | 1.374<br>(34.92) | 0.338<br>(8.60) | 1.452<br>(36.90) |
| 24         | 851 02 IH 24.. <sup>P</sup> / <sub>S</sub> . 50.. | 1.500<br>(38.12)    | 0.670<br>(17.04) | 0.515<br>(13.10) | 0.031<br>(0.80) | 1.500<br>(38.10) | 0.307<br>(7.80) | 1.578<br>(40.10) |

Dimensions are in inches (millimeters)

# Souriau 851 series

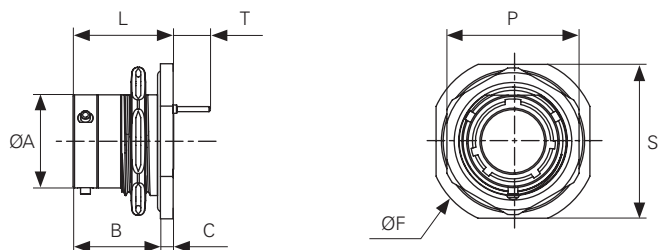
## PC tail connectors

### Square flange receptacle



| Shell size | Part numbers                                         | Ø A max          | B max            | C max           | Ø D max          | E                | F max            | Ø J             | L max            | T               |
|------------|------------------------------------------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-----------------|------------------|-----------------|
| 8          | 851 02 E 8.. <sup>P</sup> S . 50.. <sup>16</sup> 40  | 0.473<br>(12.03) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.426<br>(10.84) | 0.594<br>(15.09) | 0.826<br>(20.99) | 0.123<br>(3.13) | 0.807<br>(20.50) | 0.372<br>(9.46) |
| 10         | 851 02 E 10.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 0.590<br>(15.01) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.550<br>(13.99) | 0.718<br>(18.26) | 0.952<br>(24.19) | 0.123<br>(3.13) | 0.807<br>(20.50) | 0.372<br>(9.46) |
| 12         | 851 02 E 12.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 0.750<br>(19.07) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.683<br>(17.37) | 0.811<br>(20.62) | 1.044<br>(26.54) | 0.123<br>(3.13) | 0.807<br>(20.50) | 0.372<br>(9.46) |
| 14         | 851 02 E 14.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 0.876<br>(22.25) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.809<br>(20.57) | 0.905<br>(23.00) | 1.137<br>(28.89) | 0.123<br>(3.13) | 0.807<br>(20.50) | 0.372<br>(9.46) |
| 16         | 851 02 E 16.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 1.000<br>(25.42) | 0.451<br>(11.70) | 0.051<br>(1.32) | 0.930<br>(23.62) | 0.968<br>(24.61) | 1.231<br>(31.29) | 0.123<br>(3.13) | 0.807<br>(20.50) | 0.372<br>(9.46) |
| 18         | 851 02 E 18.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 1.126<br>(28.60) | 0.451<br>(11.70) | 0.051<br>(1.32) | 1.050<br>(26.69) | 1.061<br>(26.97) | 1.326<br>(33.69) | 0.123<br>(3.13) | 0.807<br>(20.50) | 0.372<br>(9.46) |
| 20         | 851 02 E 20.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 1.250<br>(31.77) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.176<br>(29.89) | 1.156<br>(29.36) | 1.452<br>(36.89) | 0.123<br>(3.13) | 0.938<br>(23.80) | 0.305<br>(7.76) |
| 22         | 851 02 E 22.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 1.376<br>(34.95) | 0.565<br>(14.35) | 0.084<br>(2.15) | 1.300<br>(33.04) | 1.250<br>(31.75) | 1.574<br>(39.99) | 0.123<br>(3.13) | 0.938<br>(23.80) | 0.305<br>(7.76) |
| 24         | 851 02 E 24.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 1.500<br>(38.12) | 0.598<br>(15.20) | 0.084<br>(2.15) | 1.426<br>(36.24) | 1.374<br>(34.92) | 1.698<br>(43.15) | 0.150<br>(3.81) | 0.938<br>(23.80) | 0.305<br>(7.76) |

### Jam nut receptacle

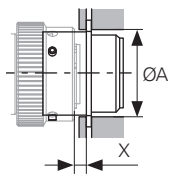


| Shell size | Part numbers                                         | Ø A max          | B max            | C max           | Ø F max          | L max            | P max            | S max            | T               |
|------------|------------------------------------------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|-----------------|
| 8          | 851 07 A 8.. <sup>P</sup> S . 50.. <sup>16</sup> 40  | 0.473<br>(12.03) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.060<br>(26.94) | 0.812<br>(20.64) | 0.759<br>(19.29) | 0.942<br>(23.94) | 0.372<br>(9.46) |
| 10         | 851 07 A 10.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 0.590<br>(15.01) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.186<br>(30.14) | 0.812<br>(20.64) | 0.881<br>(22.38) | 1.061<br>(26.95) | 0.372<br>(9.46) |
| 12         | 851 07 A 12.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 0.750<br>(19.07) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.375<br>(34.94) | 0.812<br>(20.64) | 1.068<br>(27.13) | 1.249<br>(31.74) | 0.372<br>(9.46) |
| 14         | 851 07 A 14.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 0.876<br>(22.25) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.497<br>(38.04) | 0.812<br>(20.64) | 1.194<br>(30.33) | 1.375<br>(34.94) | 0.372<br>(9.46) |
| 16         | 851 07 A 16.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 1.000<br>(25.42) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.624<br>(41.26) | 0.812<br>(20.64) | 1.318<br>(33.48) | 1.505<br>(38.24) | 0.372<br>(9.46) |
| 18         | 851 07 A 18.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 1.126<br>(28.60) | 0.704<br>(17.90) | 0.104<br>(2.64) | 1.749<br>(44.44) | 0.812<br>(20.64) | 1.444<br>(36.68) | 1.627<br>(41.34) | 0.372<br>(9.46) |
| 20         | 851 07 A 20.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 1.250<br>(31.77) | 0.883<br>(22.45) | 0.135<br>(3.44) | 1.934<br>(49.14) | 1.023<br>(25.99) | 1.568<br>(39.83) | 1.812<br>(46.04) | 0.334<br>(8.49) |
| 22         | 851 07 A 22.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 1.376<br>(34.95) | 0.883<br>(22.45) | 0.135<br>(3.44) | 2.056<br>(52.24) | 1.023<br>(25.99) | 1.694<br>(43.03) | 1.938<br>(49.24) | 0.334<br>(8.49) |
| 24         | 851 07 A 24.. <sup>P</sup> S . 50.. <sup>16</sup> 40 | 1.500<br>(38.12) | 0.917<br>(23.30) | 0.135<br>(3.44) | 2.186<br>(55.54) | 1.056<br>(26.84) | 1.818<br>(46.18) | 2.076<br>(52.74) | 0.306<br>(7.79) |

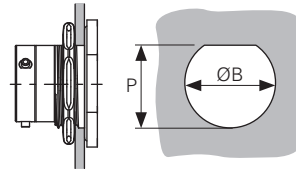
Dimensions in inches (millimeters)



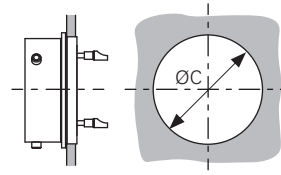
## Receptacle



**Square flange receptacle**



**Jam nut receptacle**

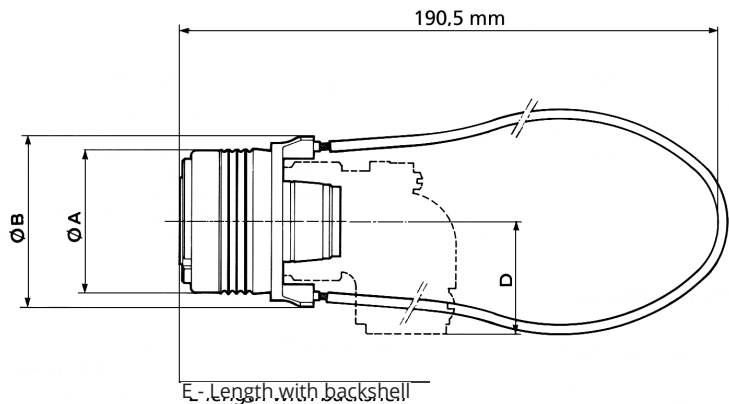


**Solder fixing receptacle**

| Shell size | Ø A $\pm 0.003$ ( $\pm 0.1$ ) | Ø B $\pm 0.003$ ( $\pm 0.1$ ) | Ø C $\pm 0.003$ ( $\pm 0.1$ ) | E $\pm 0.005$ ( $\pm 0.15$ ) | F $\pm 0.005$ ( $\pm 0.15$ ) | N min           | max             | P $\pm 0.003$ ( $\pm 0.1$ ) | X min           |
|------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|------------------------------|-----------------|-----------------|-----------------------------|-----------------|
| 8          | 0.612<br>(15.55)              | 0.574<br>(14.60)              | 0.578<br>(14.70)              | 0.594<br>(15.10)             | 0.124<br>(3.15)              | 0.061<br>(1.57) | 0.124<br>(3.17) | 0.541<br>(13.75)            | 0.114<br>(2.90) |
| 10         | 0.740<br>(18.80)              | 0.698<br>(17.75)              | 0.688<br>(17.50)              | 0.718<br>(18.26)             | 0.124<br>(3.15)              | 0.061<br>(1.57) | 0.124<br>(3.17) | 0.667<br>(16.95)            | 0.114<br>(2.90) |
| 12         | 0.872<br>(22.15)              | 0.885<br>(22.50)              | 0.795<br>(20.20)              | 0.811<br>(20.62)             | 0.124<br>(3.15)              | 0.061<br>(1.57) | 0.124<br>(3.17) | 0.846<br>(21.50)            | 0.114<br>(2.90) |
| 14         | 0.996<br>(25.30)              | 1.011<br>(25.70)              | 0.921<br>(23.40)              | 0.905<br>(23.00)             | 0.124<br>(3.15)              | 0.061<br>(1.57) | 0.124<br>(3.17) | 0.952<br>(24.20)            | 0.114<br>(2.90) |
| 16         | 1.120<br>(28.45)              | 1.135<br>(28.85)              | 1.047<br>(26.60)              | 0.968<br>(24.60)             | 0.124<br>(3.15)              | 0.061<br>(1.57) | 0.124<br>(3.17) | 1.076<br>(27.35)            | 0.114<br>(2.90) |
| 18         | 1.246<br>(31.65)              | 1.261<br>(32.05)              | 1.173<br>(29.80)              | 1.061<br>(26.97)             | 0.124<br>(3.15)              | 0.061<br>(1.57) | 0.124<br>(3.17) | 1.202<br>(30.55)            | 0.114<br>(2.90) |
| 20         | 1.370<br>(34.80)              | 1.385<br>(35.20)              | 1.263<br>(32.10)              | 1.156<br>(29.36)             | 0.124<br>(3.15)              | 0.061<br>(1.57) | 0.250<br>(6.35) | 1.326<br>(33.70)            | 0.216<br>(5.50) |
| 22         | 1.496<br>(38.00)              | 1.511<br>(38.40)              | 1.389<br>(35.30)              | 1.250<br>(31.75)             | 0.124<br>(3.15)              | 0.061<br>(1.57) | 0.250<br>(6.35) | 1.452<br>(36.90)            | 0.216<br>(5.50) |
| 24         | 1.622<br>(41.20)              | 1.635<br>(41.55)              | 1.511<br>(38.40)              | 1.374<br>(34.92)             | 0.150<br>(3.82)              | 0.061<br>(1.57) | 0.250<br>(6.35) | 1.576<br>(40.05)            | 0.216<br>(5.50) |

Dimensions are in inches (millimeters)

Push-pull locking plug



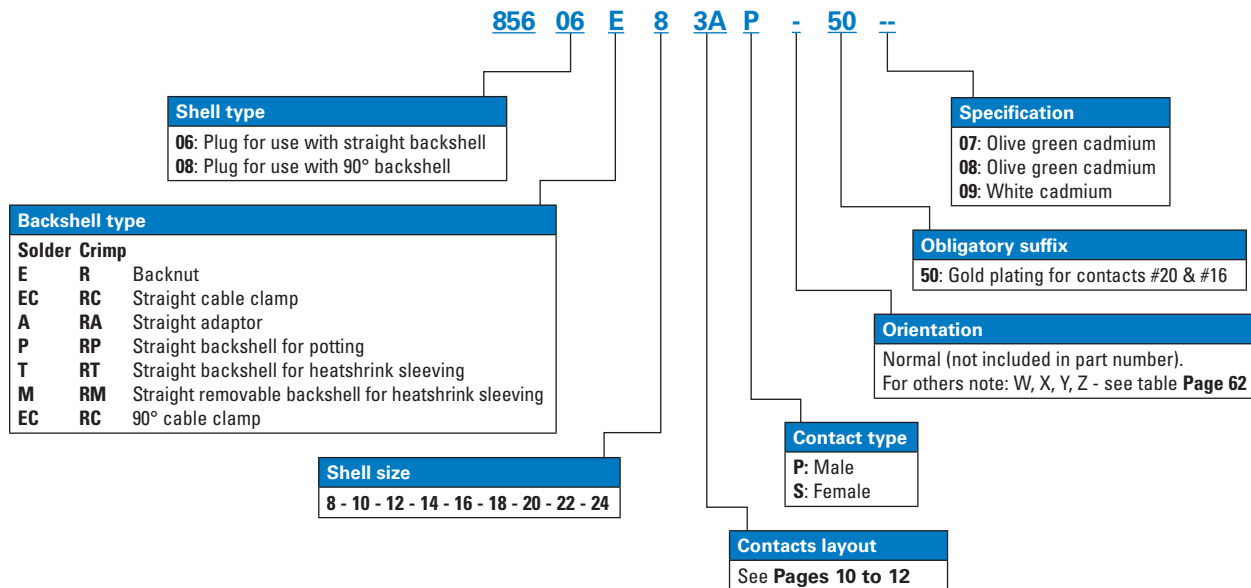
Key characteristics

- Locking: push coupling nut
- Unlocking: pull the lanyard
- Mounted: 851 receptacles
- Layouts and crimp solder contacts
- Black nylon cord, 106 mm

| Backshell type                   | Dimension | Shell size 8     | 10               | 12               | 14               | 16               | 18               | 20               | 22               | 24               |
|----------------------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| All                              | Ø A       | 0.767<br>(19.50) | 0.897<br>(22.80) | 1.074<br>(27.30) | 1.212<br>(30.80) | 1.338<br>(34.00) | 1.456<br>(37.00) | 1.614<br>(41.00) | 1.752<br>(44.50) | 1.937<br>(49.20) |
| All                              | Ø B       | 0.982<br>(24.95) | 1.112<br>(28.25) | 1.281<br>(32.55) | 1.419<br>(36.05) | 1.537<br>(39.05) | 1.655<br>(42.05) | 1.803<br>(45.80) | 1.937<br>(49.20) | 2.104<br>(53.45) |
| 06 R                             | E         | 1.259<br>(32.00) | 1.259<br>(32.00) | 1.259<br>(32.00) | 1.259<br>(32.00) | 1.259<br>(32.00) | 1.259<br>(32.00) | 1.251<br>(31.80) | 1.251<br>(31.80) | 1.251<br>(31.80) |
| 06 RC                            | E         | 1.862<br>(47.30) | 1.862<br>(47.30) | 1.862<br>(47.30) | 1.862<br>(47.30) | 1.988<br>(50.50) | 1.988<br>(50.50) | 1.964<br>(49.90) | 1.964<br>(49.90) | 1.964<br>(49.90) |
| 06 RP                            | E         | 1.657<br>(42.10) | 1.657<br>(42.10) | 1.657<br>(42.10) | 1.657<br>(42.10) | 1.657<br>(42.10) | 1.787<br>(45.40) | 1.960<br>(49.80) | 1.960<br>(49.80) | 1.960<br>(49.80) |
| 06 RA                            | E         | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.614<br>(41.00) | 1.693<br>(43.00) | 1.693<br>(43.00) | 1.700<br>(43.20) |
| 06 RM                            | E         | 1.968<br>(50.00) | 1.968<br>(50.00) | 1.968<br>(50.00) | 1.968<br>(50.00) | 1.968<br>(50.00) | 1.968<br>(50.00) | 2.035<br>(51.70) | 2.035<br>(51.70) | 2.035<br>(51.70) |
| 06 RT specifications<br>38 or 42 | E         | 1.968<br>(50.00) | 1.968<br>(50.00) | 1.968<br>(50.00) | 1.968<br>(50.00) | 1.968<br>(50.00) | 1.968<br>(50.00) | 2.035<br>(51.70) | 2.035<br>(51.70) | 2.035<br>(51.70) |
| 08RC                             | E         | 1.972<br>(50.10) | 2.070<br>(52.60) | 2.161<br>(54.90) | 2.303<br>(58.50) | 2.393<br>(60.80) | 2.559<br>(65.00) | 2.708<br>(71.20) | 2.803<br>(71.20) | 3.000<br>(76.20) |
|                                  | D max     | 0.629<br>(16.00) | 0.708<br>(18.00) | 0.767<br>(19.50) | 0.866<br>(22.00) | 0.925<br>(23.50) | 0.984<br>(25.00) | 1.043<br>(26.50) | 1.102<br>(28.00) | 1.220<br>(31.00) |

Note: For backshells dimensions, see previous pages

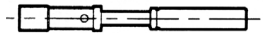
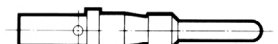
## Ordering information



# Souriau 851 series

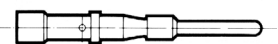
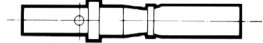
## Crimp contacts

### Standard version

| Contact size   | Specification                     | Wire size |  | Inch <sup>2</sup> | mm <sup>2</sup> | Part number                                                                       |                                                                                    | Ø insulator     |                 |
|----------------|-----------------------------------|-----------|--|-------------------|-----------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|-----------------|
|                |                                   | AWG       |  |                   |                 | Male                                                                              | Female                                                                             | min             | max             |
| #20<br>Ø1.0 mm | For layouts 8-2, 8-3, 8-4 & 12-14 | 24-18     |  | 0.008-0.036       | 0.21-0.93       | 8500-9573*                                                                        | 8500-9213 900*                                                                     | 0.047<br>(1.20) | 0.083<br>(2.11) |
|                |                                   |           |  |                   |                 |  |  |                 |                 |
|                | For further contact layout        | 24-18     |  | 0.008-0.036       | 0.21-0.93       | 8500-697                                                                          | 8500-1758A 900                                                                     | 0.047<br>(1.20) | 0.083<br>(2.11) |
|                |                                   |           |  |                   |                 |  |  |                 |                 |
|                | Reducing sleeve                   | 30-24     |  | 0.002-0.008       | 0.06-0.21       | 8500-781 B1                                                                       |                                                                                    | —               | —               |
|                |                                   |           |  |                   |                 |  |                                                                                    |                 |                 |
| #16<br>Ø1.6 mm | —                                 | 18-14     |  | 0.036-0.075       | 0.93-1.91       | 8500-1300                                                                         | 8500-9331 900                                                                      | 0.062<br>(1.60) | 0.110<br>(2.80) |
|                |                                   |           |  |                   |                 |  |  |                 |                 |
|                | Reducing sleeve                   | 20        |  | 0.023             | 0.60            | 8500-1985 B1                                                                      |                                                                                    | —               | —               |
|                |                                   |           |  |                   |                 |  |                                                                                    |                 |                 |

Note: \* Not to be used with reducing sleeve

### Thermocouple version

| Contact size   | Specification | Wire size |  | Inch <sup>2</sup> | mm <sup>2</sup> | Part number                                                                         |                                                                                      | Ø insulator     |                 |
|----------------|---------------|-----------|--|-------------------|-----------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------|-----------------|
|                |               | AWG       |  |                   |                 | Male                                                                                | Female                                                                               | min             | max             |
| #20<br>Ø1.0 mm | Chromel       | 24-18     |  | 0.008-0.036       | 0.21-0.93       | 8500-809 A                                                                          | 8500-2054 900                                                                        | 0.047<br>(1.20) | 0.083<br>(2.11) |
|                |               |           |  |                   |                 |  |  |                 |                 |
|                | Alumel        | 24-18     |  | 0.008-0.036       | 0.21-0.93       | 8500-812 A                                                                          | 8500-2055 900                                                                        | 0.047<br>(1.20) | 0.083<br>(2.11) |
|                |               |           |  |                   |                 |  |  |                 |                 |
| #16<br>Ø1.6 mm | Chromel       | 18-14     |  | 0.036-0.075       | 0.93-1.91       | 8500-1053                                                                           | 8500-1054 900                                                                        | 0.062<br>(1.60) | 0.110<br>(2.80) |
|                |               |           |  |                   |                 |  |  |                 |                 |
|                | Alumel        | 18-14     |  | 0.036-0.075       | 0.93-1.91       | 8500-1058                                                                           | 8500-1059 900                                                                        | 0.062           | 0.110           |
|                |               |           |  |                   |                 |  |  |                 |                 |

Dimensions are in inches (millimeters)

8500 05 --

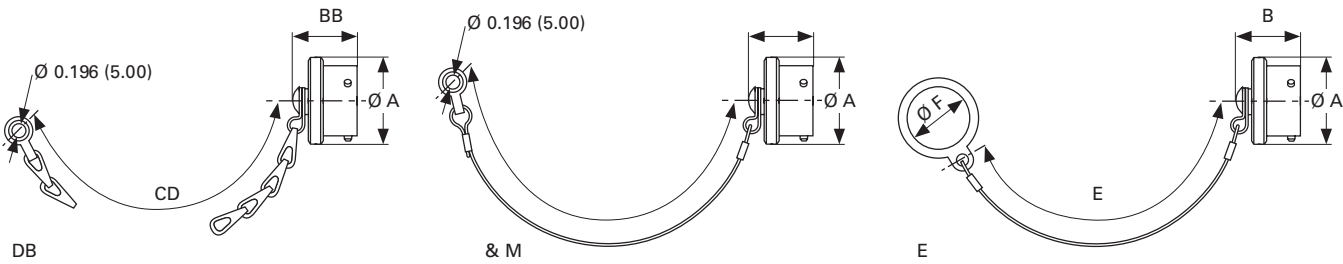
| Specification                        |
|--------------------------------------|
| For cap and plating, see table below |

|                                                                  | Receptacle cap |               |                |        | Plug cap    |               |                |        |
|------------------------------------------------------------------|----------------|---------------|----------------|--------|-------------|---------------|----------------|--------|
|                                                                  | Olive green    |               |                |        | olive green |               |                |        |
| Cap type                                                         | Cadmium        | White cadmium | Black anodized | Nickel | cadmium     | White cadmium | Black anodized | Nickel |
| Cap with chain and ring                                          | D              | 02 D          | 29 D           | 44 D   | D           | 02 D          | 29 D           | 44 D   |
| Cap with nylon cord and ring                                     | B              | 02 B          | 29 B           | 44 B   | B           | 02 B          | 29 B           | 44 B   |
| Cap with nylon cord and washer<br>(shell 10, 12 , 14, 16 and 18) | —              | —             | —              | —      | E           | —             | —              | —      |
| Cap with nylon cord and washer                                   | H              | —             | —              | 44 H   | —           | —             | —              | —      |
| Cap with chain and washer                                        | J              | —             | —              | —      | —           | —             | —              | —      |
| Cap 500hr salt spray                                             | JQ7            | —             | —              | —      | —           | —             | —              | —      |
| Cap without chain                                                | M              | —             | —              | —      | M           | —             | —              | —      |

# Souriau 851 series

## Caps

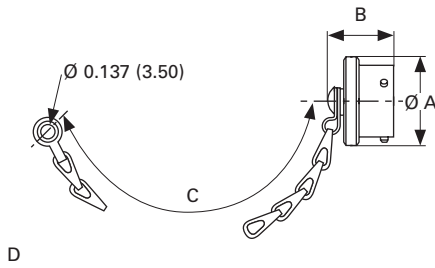
### Caps for plugs



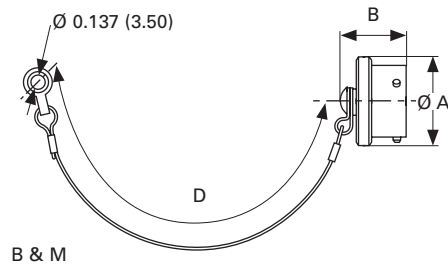
| Shell size | Ø A max          | B max            | C              | D <sub>0</sub> <sup>+0.236 (+6)</sup> | E <sub>0</sub> <sup>+0.078 (+2)</sup> | Ø F              |
|------------|------------------|------------------|----------------|---------------------------------------|---------------------------------------|------------------|
| 8          | 0.661<br>(16.80) | 0.781<br>(19.84) | 5.196<br>(132) | 5.039<br>(128)                        | refer to Eaton                        | refer to Eaton   |
| 10         | 0.779<br>(19.80) | 0.781<br>(19.84) | 5.196<br>(132) | 5.039<br>(128)                        | 5.196<br>(132)                        | 0.551<br>(14.00) |
| 12         | 0.940<br>(23.90) | 0.781<br>(19.84) | 5.826<br>(148) | 5.511<br>(140)                        | 5.826<br>(148)                        | 0.693<br>(17.60) |
| 14         | 1.063<br>(27.00) | 0.781<br>(19.84) | 5.826<br>(148) | 5.511<br>(140)                        | 5.826<br>(148)                        | 0.819<br>(20.80) |
| 16         | 1.189<br>(30.20) | 0.781<br>(19.84) | 5.826<br>(148) | 5.511<br>(140)                        | 5.826<br>(148)                        | 1.007<br>(25.60) |
| 18         | 1.315<br>(33.40) | 0.781<br>(19.84) | 5.826<br>(148) | 5.511<br>(140)                        | 5.826<br>(148)                        | 1.129<br>(28.70) |
| 20         | 1.437<br>(36.50) | 0.844<br>(21.44) | 6.614<br>(168) | 6.023<br>(153)                        | refer to Eaton                        | refer to Eaton   |
| 22         | 1.566<br>(39.80) | 0.844<br>(21.44) | 6.614<br>(168) | 6.023<br>(153)                        | refer to Eaton                        | refer to Eaton   |
| 24         | 1.688<br>(42.90) | 0.874<br>(22.22) | 6.614<br>(168) | 6.023<br>(153)                        | refer to Eaton                        | refer to Eaton   |

Dimensions are in inches (millimeters)

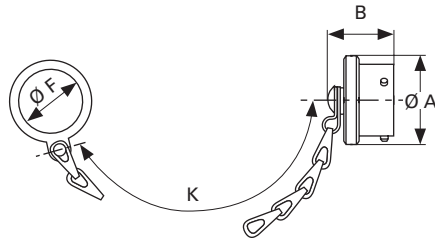
## Caps for receptacles



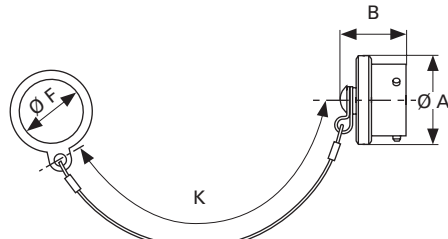
D



B &amp; M



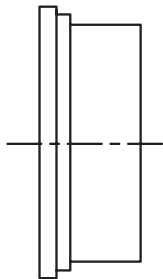
J &amp; JQ7



H

| Shell size | Ø A max          | B max            | C <sup>+0.078 (+2)</sup> <sub>0</sub> | D              | J max            | H <sup>+0.078 (+2)</sup> <sub>0</sub> | K <sup>+0.236 (+6)</sup> <sub>0</sub> |
|------------|------------------|------------------|---------------------------------------|----------------|------------------|---------------------------------------|---------------------------------------|
| 8          | 0.748<br>(19.00) | 0.844<br>(21.44) | 3.307<br>(84)                         | 3.031<br>(77)  | 0.582<br>(14.80) | 3.149<br>(80)                         | 3.307<br>(84)                         |
| 10         | 0.858<br>(21.80) | 0.844<br>(21.44) | 3.307<br>(84)                         | 3.031<br>(77)  | 0.704<br>(17.90) | 3.149<br>(80)                         | 3.307<br>(84)                         |
| 12         | 1.027<br>(26.10) | 0.844<br>(21.44) | 3.937<br>(100)                        | 3.503<br>(89)  | 0.884<br>(22.70) | 3.543<br>(90)                         | 3.937<br>(100)                        |
| 14         | 1.153<br>(29.30) | 0.844<br>(21.44) | 3.937<br>(100)                        | 3.503<br>(89)  | 1.019<br>(25.90) | 3.543<br>(90)                         | 3.937<br>(100)                        |
| 16         | 1.279<br>(32.50) | 0.844<br>(21.44) | 3.937<br>(100)                        | 3.503<br>(89)  | 1.141<br>(29.00) | 3.543<br>(90)                         | 3.937<br>(100)                        |
| 18         | 1.389<br>(35.30) | 0.844<br>(21.44) | 3.937<br>(100)                        | 3.503<br>(89)  | 1.267<br>(32.20) | 3.543<br>(90)                         | 3.937<br>(100)                        |
| 20         | 1.527<br>(38.80) | 0.844<br>(21.44) | 4.566<br>(116)                        | 4.015<br>(102) | 1.394<br>(35.40) | 4.330<br>(110)                        | 4.566<br>(116)                        |
| 22         | 1.653<br>(42.00) | 0.844<br>(21.44) | 4.566<br>(116)                        | 4.015<br>(102) | 1.519<br>(38.60) | 4.330<br>(110)                        | 4.566<br>(116)                        |
| 24         | 1.775<br>(45.10) | 0.874<br>(22.22) | 4.566<br>(116)                        | 4.015<br>(102) | 1.641<br>(41.70) | 4.330<br>(110)                        | 4.566<br>(116)                        |

## Plastic protective caps for receptacles and plugs



| Shell size | Caps for receptacles | Caps for plugs |
|------------|----------------------|----------------|
| 8          | 8500-5585 A          | 8500-5594      |
| 10         | 8500-5586 A          | 8500-5595      |
| 12         | 8500-5587 A          | 8500-5596      |
| 14         | 8500-5588 A          | 8500-5597      |
| 16         | 8500-5589 A          | 8500-5598      |
| 18         | 8500-5590 A          | 8500-5599      |
| 20         | 8500-5591 A          | 8500-5600      |
| 22         | 8500-5592 A          | 8500-5601      |
| 24         | 8500-5593 A          | 8500-5602      |

Dimensions are in inches (millimeters)

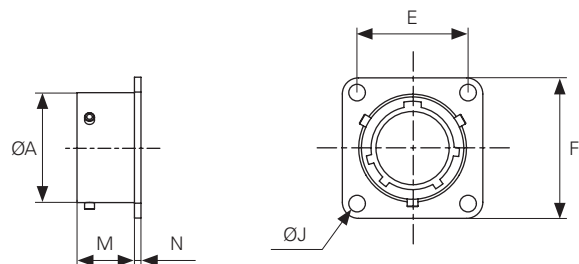
# Souriau 851 series

## Accessories

### Filler plugs

| Contact size<br>#20 Ø1 mm            |                                                                                   | Color |  | #16 Ø1.6 mm                      |                                                                                    | Color |
|--------------------------------------|-----------------------------------------------------------------------------------|-------|--|----------------------------------|------------------------------------------------------------------------------------|-------|
| <b>8500-4144 A</b><br>(MS 3187 A 20) |  | Red   |  | <b>8500-479</b>                  |  | Blue  |
|                                      |                                                                                   |       |  | <b>8500-4267</b><br>(MS 3187-16) |  | Blue  |

### Dummy receptacles



| Shell size | Part numbers   | Ø A              | C max            | E                | J               | M max            | N max           |
|------------|----------------|------------------|------------------|------------------|-----------------|------------------|-----------------|
| 8          | <b>8500-18</b> | 0.473<br>(12.03) | 0.826<br>(20.99) | 0.594<br>(15.09) | 0.123<br>(3.13) | 0.451<br>(11.70) | 0.051<br>(1.32) |
| 10         | <b>8500-19</b> | 0.590<br>(15.01) | 0.952<br>(24.19) | 0.718<br>(18.26) | 0.123<br>(3.13) | 0.451<br>(11.70) | 0.051<br>(1.32) |
| 12         | <b>8500-20</b> | 0.750<br>(19.07) | 1.044<br>(26.54) | 0.811<br>(20.62) | 0.123<br>(3.13) | 0.451<br>(11.70) | 0.051<br>(1.32) |
| 14         | <b>8500-21</b> | 0.876<br>(22.25) | 1.137<br>(28.89) | 0.905<br>(23.00) | 0.123<br>(3.13) | 0.451<br>(11.70) | 0.051<br>(1.32) |
| 16         | <b>8500-26</b> | 1.000<br>(25.42) | 1.231<br>(31.29) | 0.968<br>(24.61) | 0.123<br>(3.13) | 0.451<br>(11.70) | 0.051<br>(1.32) |
| 18         | <b>8500-22</b> | 1.126<br>(28.60) | 1.326<br>(33.69) | 1.061<br>(26.97) | 0.123<br>(3.13) | 0.451<br>(11.70) | 0.051<br>(1.32) |
| 20         | <b>8500-23</b> | 1.250<br>(31.77) | 1.452<br>(36.89) | 1.156<br>(29.36) | 0.123<br>(3.13) | 0.565<br>(14.35) | 0.084<br>(2.15) |
| 22         | <b>8500-24</b> | 1.376<br>(34.95) | 1.574<br>(39.99) | 1.250<br>(31.75) | 0.123<br>(3.13) | 0.565<br>(14.35) | 0.084<br>(2.15) |
| 24         | <b>8500-25</b> | 1.500<br>(38.12) | 1.698<br>(43.15) | 1.374<br>(34.92) | 0.150<br>(3.81) | 0.598<br>(15.20) | 0.084<br>(2.15) |

### Gaskets

| Shell size | Gaskets for square flange<br>receptacle neoprene | Fairprene <sup>(R)</sup> | Gaskets for jam nut<br>receptacle neoprene | Viton <sup>(TM)</sup> |
|------------|--------------------------------------------------|--------------------------|--------------------------------------------|-----------------------|
| 8          | <b>8500-275</b>                                  | <b>8500-4164</b>         | 3330102                                    | 3330675               |
| 10         | <b>8500-276</b>                                  | <b>8500-4165</b>         | 3330103                                    | 3330670               |
| 12         | <b>8500-277</b>                                  | <b>8500-4166</b>         | 3330104                                    | 3330671               |
| 14         | <b>8500-278</b>                                  | <b>8500-4167</b>         | 3330105                                    | 3330672               |
| 16         | <b>8500-283</b>                                  | <b>8500-4168</b>         | 3330106                                    | 3331048               |
| 18         | <b>8500-279</b>                                  | <b>8500-4169</b>         | 3330107                                    | 3331049               |
| 20         | <b>8500-280</b>                                  | <b>8500-4170</b>         | 3330108                                    | 3331050               |
| 22         | <b>8500-281</b>                                  | <b>8500-4171</b>         | 3330109                                    | 3331051               |
| 24         | <b>8500-282</b>                                  | <b>8500-4172</b>         | 3330110                                    | 3331052               |

Dimensions are in inches (millimeters)



## Crimping tools

### Crimp tooling Contact #20 & 16



8365  
(M 22520/1-01)

### Locator contact #20 & 16



8365-02  
(M 22520/1-02)

### Crimp tooling Contact #20



8476-01  
(M 22520/2-01)

### Locator Contact #20



8476-02  
(M 22520/2-02)

## Insertion tools

### Crimp contact



8500-29B\*

## Extraction tools

### Crimp contact #20



8500-36A

## Insertion tools

### Crimp contact #16



8500-38A

## Strap backshell



**Note:** \* Except 8-2, 8-3, 8-4, 12-14 contact layouts, use insertion tool 8500-93B

# Souriau 851 series

## Stripping and crimping instructions

### Stripping instructions

Use a well-maintained stripping plier that is suitable for the wire size to be stripped.

To maintain the connector's excellent sealing characteristics and, at the same time, meet the highest cabling standards the wires should have the following external sheath dimensions:

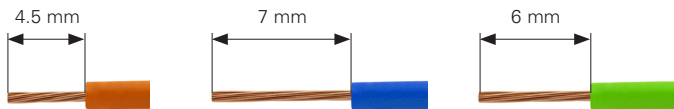
| Contacts size | Ø over sheath |      |
|---------------|---------------|------|
|               | min           | max  |
| 20            | 1.20          | 2.11 |
| 16            | 1.60          | 2.80 |

- Recommended loading:
- 50% with maximum diameter wires
  - 50% with minimum diameter wires
  - 100% with medium size wires

Size 20 contacts for cables:

- When Ø over insulation ≤ 2 mm strip to a 4.5 mm length
- When Ø over insulation > 2 mm strip to a 7 mm length

Size 16 contacts, strip the cable to a length of 6 mm



### Cable-contact assembly

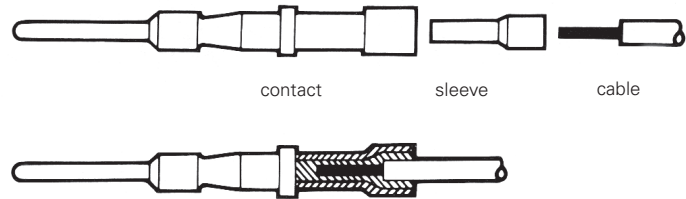
Push the wire into the crimp barrel and verify that it has gone in properly by looking at the side hole in the barrel.



### Reducing sleeve

If a wire with a cross-section area of less than 0.21 mm<sup>2</sup> is used with a size 20 contact, it will be necessary to use a reducing sleeve: ref. 8500-781.

Wires with cross-section area of 0.6 mm<sup>2</sup> may be used with size 16 contacts by using a reducing sleeve, ref. 8500-1985.



### Crimping instructions

With crimping pliers MS 22520/1-01 Souriau part number 8365 and turret MS 22520/1-02 8365-02:



- «red» position for size 20 contacts
- «blue» position for size 16 contacts.



Crimping pliers MS 22520/2-01, Souriau part number 8476-01 and locator MS 22520/2-02 8476-02: Size 20 contacts only.

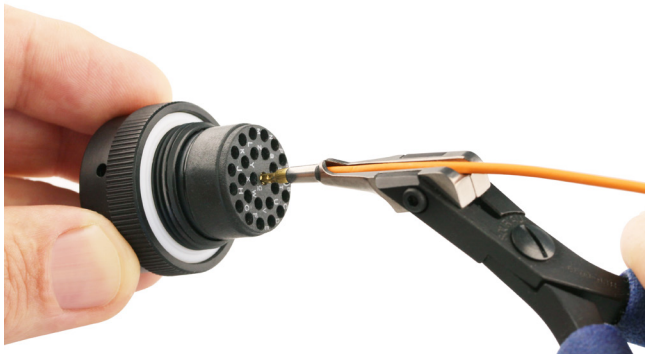
**Note:** Not to be used with reducing sleeve.

Squeeze pliers until you hear a distinct click. The pliers should spring open when the ratchet mechanism is released.

- Hold indenter side up; insert the wire, contact assembly or wire-reducing sleeve contact assembly between the four indenters, ensuring that the contact bottoms in the locator.
- Fully close the jaws, once the contact is crimped the pliers must spring open, remove wire and crimped contact, check crimp aspect.



### Crimp contact insertion



Disassemble and slide connector rear accessory over cables.

#### Insertion tools:

- Pliers 8500-29B
- Except 8-2, 8-3, 8-4, 12-14 contact layouts: tool 8500-93B

#### Use of insertion tools:

- Manually insert the contact into the desired insert cavity.
- Insert the wire between the plier jaws, the tip of the jaws butting the contact shoulder.
- Introduce contacts one by one in insert cavities pushing straight in until the contact snaps into position and the clip ensures contact retention.

#### Filler plugs

Where certain contacts are unwired and where it is necessary to fully maintain the connector's sealing characteristics, a filler plug must be used.

**Note:** That the contact must be inserted before the filler plug.

### Crimp contact extraction

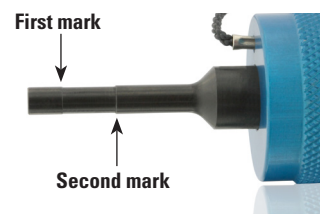


All contacts for use in insulators with clips are extracted using a semi-automatic tool:

- size 20 contacts: tool type 8500-36A
- size 16 contacts: tool type 8500-38A

Disassemble and slide connector rear accessory over cables.

- Do not operate the tool slide button.
- Bring the tool tip over the male or female contact to be removed from connector front (mating face) as far as the first mark for male contacts and the second mark for female contacts.



- This operation should be conducted delicately in a direction parallel to the contact center line with a light turning action.
- Extract contact by pushing the slide button fully forward, carefully remove tool and pull wire to release the wire-contact assembly.

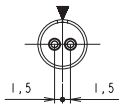
**Note:** Tools have an adjustable spring system (rear knurled knob) for automatic contact disengagement.

# Souriau 851 series

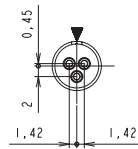
## Drilling pattern - male rear face

Shell Size      Dimension in mm

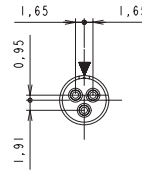
8



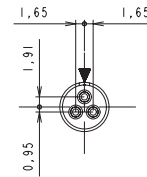
**8-2**  
2 contacts  
2 x Ø1.0 (#20)



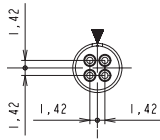
**8-3**  
3 contacts  
3 x Ø1.0 (#20)



**8-3A/8-98**  
3 contacts  
3 x Ø1.0 (#20)

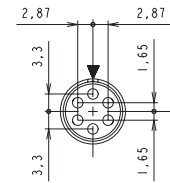


**8-33**  
3 contacts  
3 x Ø1.0 (#20)

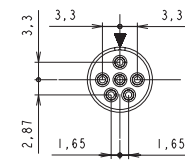


**8-4**  
4 contacts  
4 x Ø1.0 (#20)

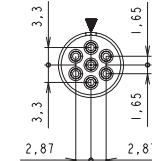
10



**10-6**  
6 contacts  
6 x Ø1.0 (#20)

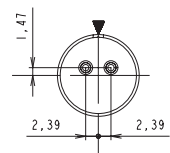


**10-98**  
6 contacts  
6 x Ø1.0 (#20)

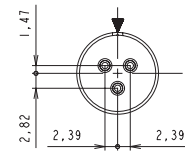


**10-7**  
7 contacts  
7 x Ø1.0 (#20)

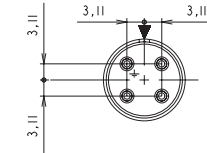
12



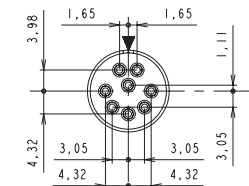
**12-2**  
2 contacts  
2 x Ø1.6 (#16)



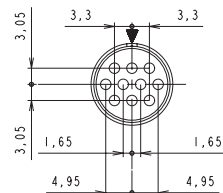
**12-3**  
3 contacts  
3 x Ø1.6 (#16)



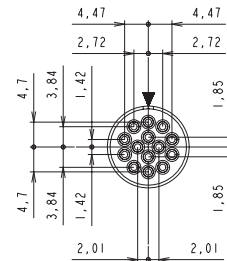
**12-4**  
3 contacts + ground  
4 x Ø1.6 (#16)



**12-8**  
8 contacts  
8 x Ø1.0 (#20)



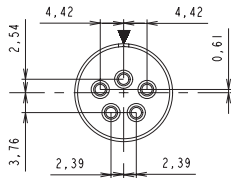
**12-10**  
10 contacts  
10xØ1.0 (#20)



**12-14**  
14 contacts  
14xØ1.0 (#20)

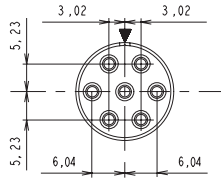
Shell Size Dimension in mm

14



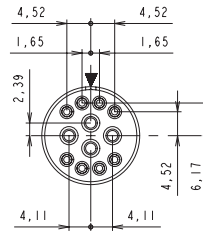
14-5

5 contacts  
5 x Ø1.6 (#16)



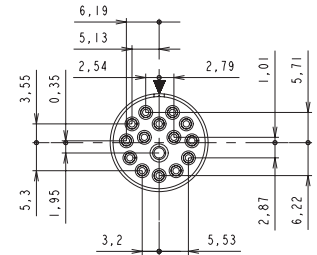
14-7

6 contacts + ground  
7 x Ø1.6 (#16)



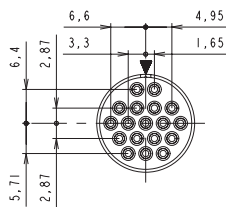
14-12

12 contacts  
8 x Ø1.0 (#20) + 4 x Ø1.6 (#16)



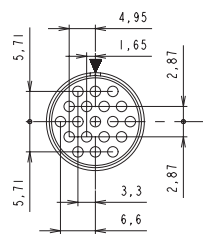
14-15

15 contacts  
14 x Ø1.0 (#20) + 1 x Ø1.6 (#16)



14-18

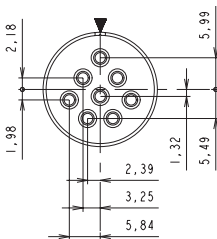
18 contacts  
18 x Ø1.0 (#20)



14-19

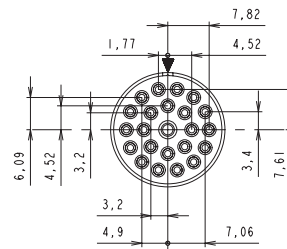
19 contacts  
19 x Ø1.0 (#20)

16



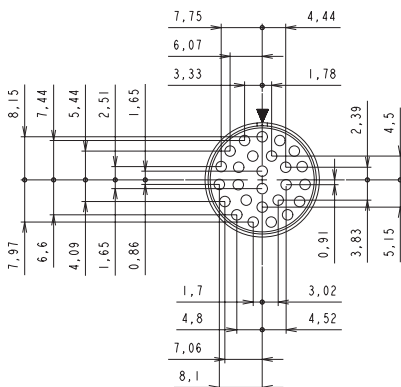
16-8

8 contacts  
8 x Ø1.6 (#16)



16-23

23 contacts  
22 x Ø1.0 (#20) + 1 x Ø1.6 (#16)

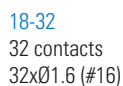
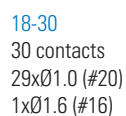
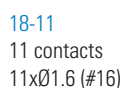


16-26

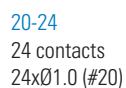
26 contacts  
26 x Ø1.0 (#20)

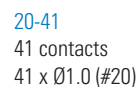
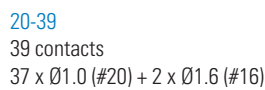
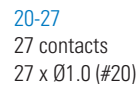
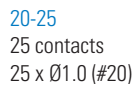
### Drilling pattern - male rear face

18

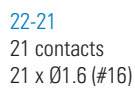


20-16  
16 contacts  
16xØ1.6 (#16)





22

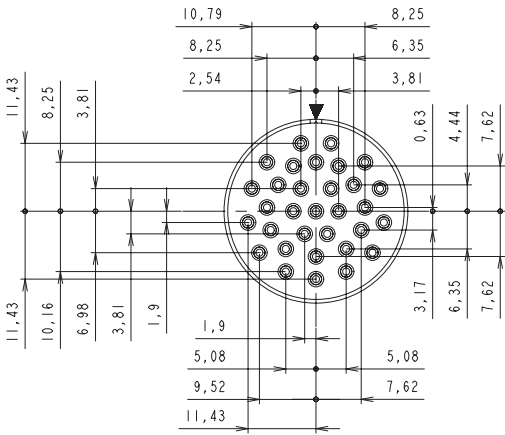


# Souriau 851 series

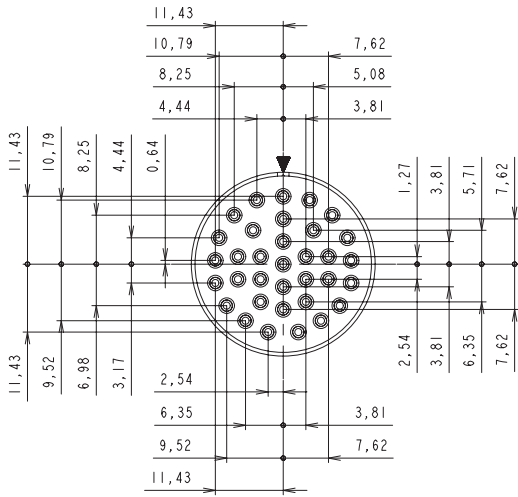
## Drilling pattern - male rear face

Shell Size      Dimension in mm

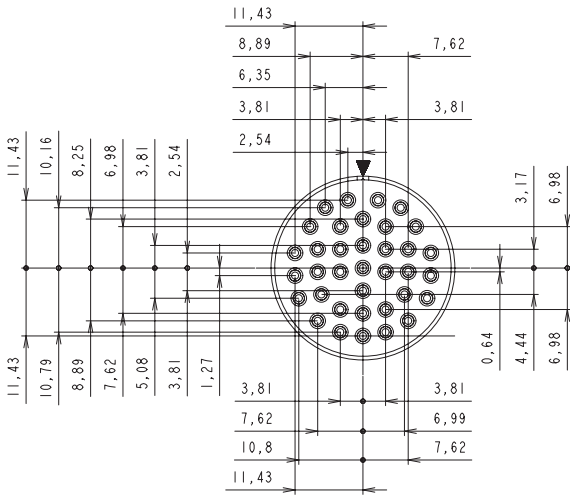
22



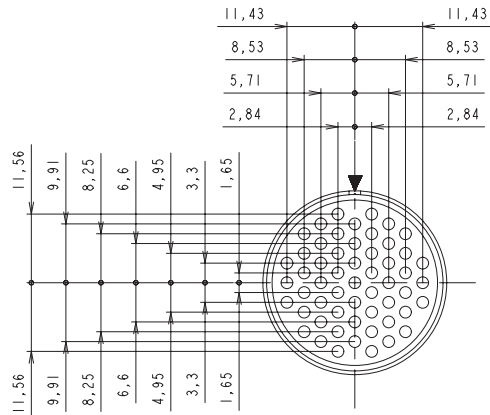
22-32  
32 contacts  
32 x Ø1.0 (#20)



22-34  
34 contacts  
34 x Ø1.0 (#20)



22-36  
36 contacts  
36 x Ø1.0 (#20)

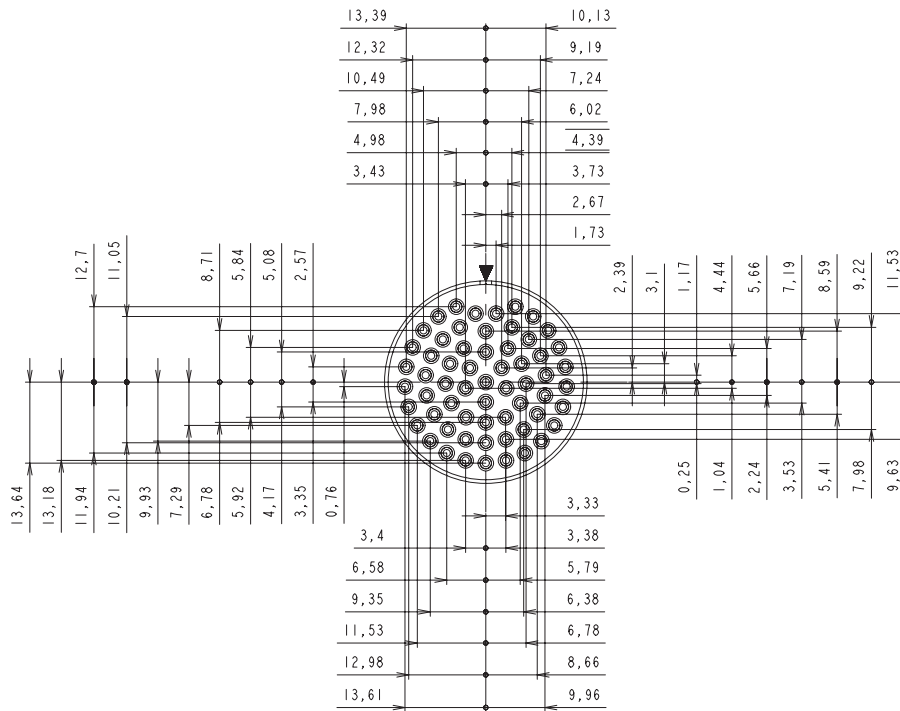


22-55  
55 contacts  
55 x Ø1.0 (#20)



Shell Size      Dimension in mm

24



24-61

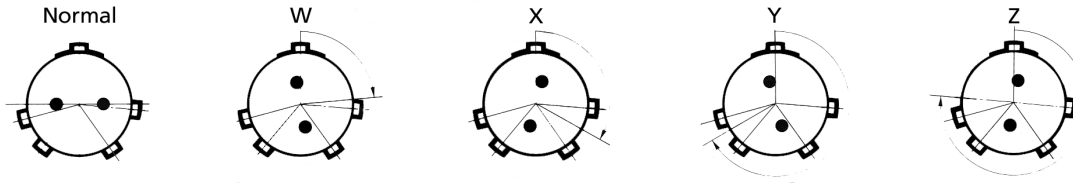
61 contacts

61 x Ø1.0 (#20)

# Souriau 851 series

## Discrimination/keying methods

An insulator is rotated within the metal body, as viewed from the front face of a male insulator (receptacle or plug).



| Shells | Layouts  | Angle in degrees |     |     |     | NFC 93422 HE 301B |       | MIL-DTL-26482 Series I |       | Service 1<br>1500 Vrms | Service 2<br>2300 Vrms |
|--------|----------|------------------|-----|-----|-----|-------------------|-------|------------------------|-------|------------------------|------------------------|
|        |          | W                | X   | Y   | Z   | Solder            | Crimp | Solder                 | Crimp |                        |                        |
| 8      | 2        | 58               | 122 | —   | —   |                   |       | •                      |       | X                      |                        |
|        | 3        | 60               | 210 | —   | —   |                   |       | •                      |       | X                      |                        |
|        | 3A (98)* | 60               | 210 | —   | —   |                   |       | •                      | •     | X                      |                        |
|        | 4        | 45               | —   | —   | —   |                   |       | •                      |       | X                      |                        |
|        | 33       | 90               | —   | —   | —   |                   | •     | •                      | •     | X                      |                        |
| 10     | 6        | 90               | —   | —   | —   | •                 | •     | •                      | •     | X                      |                        |
|        | 7*       | 90               | —   | —   | —   |                   |       |                        |       | X                      |                        |
|        | 98       | 90               | 180 | 240 | 270 |                   |       | •                      | •     | X                      |                        |
| 12     | 3        | —                | —   | 180 | —   | •                 | •     | •                      | •     |                        | X                      |
|        | 4        |                  |     |     |     |                   |       |                        |       |                        |                        |
|        | 8        | 90               | 112 | 203 | 292 |                   |       | •                      | •     | X                      |                        |
|        | 10       | 60               | 155 | 270 | 295 | •                 | •     | •                      | •     | X                      |                        |
|        | 2        | —                | —   | —   | —   |                   |       |                        |       |                        | X                      |
|        | 14*      | 45               |     |     |     |                   |       | •                      |       | X                      |                        |
| 14     | 5        | 40               | 92  | 184 | 273 | •                 | •     | •                      | •     |                        | X                      |
|        | 7        |                  |     |     |     |                   |       |                        |       |                        |                        |
|        | 12       | 43               | 90  | —   | —   | •                 | •     | •                      | •     | X                      |                        |
|        | 15       | 17               | 110 | 155 | 234 | •                 | •     | •                      | •     | X                      |                        |
|        | 18       | 15               | 90  | 180 | 270 |                   |       | •                      | •     | X                      |                        |
|        | 19       | 30               | 165 | 315 | —   | •                 | •     | •                      | •     | X                      |                        |
| 16     | 8        | 54               | 152 | 180 | 331 | •                 | •     | •                      | •     |                        | X                      |
|        | 23       | 158              | 270 | —   | —   | •                 | •     | •                      | •     | X                      |                        |
|        | 26       | 60               | —   | 275 | 338 | •                 | •     | •                      | •     | X                      |                        |
| 18     | 11       | 62               | 119 | 241 | 340 | •                 | •     | •                      | •     |                        | X                      |
|        | 32       | 85               | 138 | 222 | 265 | •                 | •     | •                      | •     | X                      |                        |
|        | 30       | 180              | 193 | 285 | 350 |                   | •     |                        | •     | X                      |                        |
| 20     | 16       | 238              | 318 | 333 | 347 | •                 | •     | •                      | •     |                        | X                      |
|        | 39       | 63               | 144 | 252 | 333 | •                 | •     | •                      | •     | X                      |                        |
|        | 41       | 45               | 126 | 225 | —   | •                 | •     | •                      | •     | X                      |                        |
|        | 24       | 70               | 145 | 215 | 290 |                   |       | •                      | •     | X                      |                        |
|        | 25       | 72               | 144 | 216 | 288 |                   |       |                        |       | X                      |                        |
|        | 27       | 72               | 144 | 216 | 288 |                   | •     |                        | •     | X                      |                        |
| 22     | 21       | 16               | 135 | 175 | 349 | •                 | •     | •                      | •     |                        | X                      |
|        | 36       | 72               | 144 | 216 | 288 |                   | •     |                        |       | X                      |                        |
|        | 55       | 30               | 142 | 226 | 314 | •                 | •     | •                      | •     | X                      |                        |
|        | 32       | 72               | 145 | 215 | 288 |                   |       |                        | •     | X                      |                        |
|        | 34       | 62               | 142 | 218 | 298 |                   |       |                        | •     | X                      |                        |
| 24     | 61       | 90               | 180 | 270 | 324 | •                 | •     | •                      | •     | X                      |                        |

**Note:** \* 8-98 layout, W and X non-standard orientations, 10-7 & 12-14 layouts, W non-standard orientation

For more information, contact us:  
**Eaton.com/interconnect-support**



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