

# SPRING-LOADED CONNECTORS







precip-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

# QUICK SELECTOR CHART

SPRING-LOADED CONNECTORS AND PAD CONNECTORS

## GRID

| 1.25 mm    | 2 mm                     | 2.54 mm                  |
|------------|--------------------------|--------------------------|
| SINGLE ROW | SINGLE ROW<br>DOUBLE ROW | SINGLE ROW<br>DOUBLE ROW |

## SLC CONNECTORS

SEE PAGE

|                                                   |  |    |    |    |                  |
|---------------------------------------------------|--|----|----|----|------------------|
| Straight solder tail                              |  | 32 |    | 34 | 34               |
| Right angle solder tail                           |  | 32 |    |    |                  |
| Surface mount perpendicular                       |  |    | 33 | 33 | 35, 36<br>35, 36 |
| Surface mount perpendicular with positioning pins |  |    |    | 37 | 37               |
| Surface mount parallel                            |  |    |    | 38 |                  |
| SIM card socket                                   |  |    |    |    | 38               |

## PAD CONNECTORS

|                             |  |  |  |    |    |
|-----------------------------|--|--|--|----|----|
| Surface mount perpendicular |  |  |  | 39 | 39 |
| Surface mount parallel      |  |  |  | 39 |    |

The values listed below are general specs applying for PRECI-DIP spring-loaded connectors. Please see individual catalog page for additional and product specific technical data.

|                             |                                                          |
|-----------------------------|----------------------------------------------------------|
| OPERATING TEMPERATURE RANGE | -55 ... +125 °C (-55 °... +85 °C with music wire spring) |
| CLIMATIC CATEGORY (IEC)     | 55/85/21                                                 |
| OPERATING HUMIDITY RANGE    | Annual mean 75%                                          |
| MAX. WORKING VOLTAGE        | 100 V <sub>RMS</sub> /150 V <sub>DC</sub> (2.54 mm grid) |

 PRECI-DIP products are recognized by Underwriters Laboratories Inc. and listed under "Connectors for Use in Data, Signal, Control and Power Applications", File Nr. E174442.

### MECHANICAL CHARACTERISTICS

|                           | BASIC<br>HOLLOW PISTON TYPE | LOW RESISTANCE<br>SHAPED PISTON TYPE | LOW RESISTANCE<br>CLIP IN-LINE DESIGN TYPE |
|---------------------------|-----------------------------|--------------------------------------|--------------------------------------------|
| MIN. INITIAL HEIGHT       | 3 mm                        | 6 mm                                 | 10 mm                                      |
| STROKE/HEIGHT RATIO       | Max. 0.3                    | Max. 0.2                             | Max. 0.15                                  |
| MAX STROKE                | 2 mm                        | 2 mm                                 | 1.5 mm                                     |
| MIN. INITIAL SPRING FORCE | 0.2 N                       | 0.2 N                                | 0.2 N                                      |

### ELECTRICAL CHARACTERISTICS

|                                                         |                                       |
|---------------------------------------------------------|---------------------------------------|
| INSULATION RESISTANCE BETWEEN ANY TWO ADJACENT CONTACTS | Min. 10'000 MΩ at 500 V <sub>AC</sub> |
| CAPACITANCE BETWEEN ANY TWO ADJACENT CONTACTS           | Max. 1 pF                             |

### ENVIRONMENTAL CHARACTERISTICS

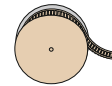
The sockets withstand the following environmental tests without mechanical and electrical defects:

- Dry heat steady state IEC 60512-11-9.11i / 60068-2-2.Bb: 125 °C, 16 h
  - Damp heat cyclic IEC 60512-11-12.11m / 60068-2-30.Db: 25/55 °C, 90 – 100 %rH, 1 cycle of 24 h
  - Cold steady state IEC 60512-11-10.11j / 60068-2-1.A: -55 °C, 2 h
  - Thermal shock IEC 60512-11-4.11d / 60068-2-14.Na: -55/125 °C, 5 cycles 30 min
  - Sinusoidal vibrations IEC 60512-6-4.6d / 60068-2-6.Fc: 10 to 500 Hz, 10 g, 1 octave/min, 10 cycles for each axis
  - Shock IEC 60512-6-3.6c / 60068-2-27.Ea: 50 g, 11 ms, 3 shocks in three axis
- During the above two tests, no contact interruption >50 ns does appear.

- Solderability J-STD-002A, Test A, 245 °C, 5 s, solder alloy SnAg3.8Cu0.7
- Resistance to soldering heat J-STD-020C, 260 °C, 20 s
- Moisture sensitivity J-STD-020C level 1
- Resistance to corrosion:
  - 1) Salt spray test IEC 60068-2-11.Ka: 48 h
  - 2) Sulfur dioxide (SO<sub>2</sub>) test IEC 60068-2-42 Kc: 96 h at 25 ppm SO<sub>2</sub>, 25 °C, 75 %rH
  - 3) Hydrogen sulfide (H<sub>2</sub>S) test IEC 60068-2-43 Kd: 96 h at 12 ppm H<sub>2</sub>S, 25 °C, 75 %rH

### PACKAGING

- Standard connector packaging is card box.
- SMD mount connectors available on request with Tape & Reel packaging acc. to EIA Standard 481. These products are marked with the symbol:



T & R Packaging

Please consult [www.precidip.com](http://www.precidip.com) for availability, size of tape, size of reel, number of components per reel and packing units.



preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

# SPRING-LOADED CONNECTORS

1.25 mm GRID / SINGLE ROW / SOLDER TAIL

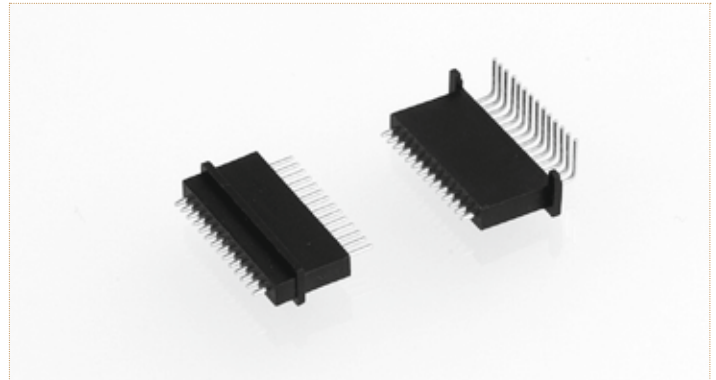
Fine pitch connectors with spring-loaded contacts (SLC), solder tail. High-rel contacts with clip, patented in-line design.

## TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

|                    |                                              |                      |
|--------------------|----------------------------------------------|----------------------|
| INSULATOR          | Black glass filled polyester PCT-GF30-FR     |                      |
| FLAMMABILITY       | UL 94V-0                                     |                      |
| PISTON AND BARREL  | Brass CuZn36Pb3 (C36000)                     |                      |
| CONTACT CLIP       | Beryllium copper (C17200)                    |                      |
| SPRING             | Stainless steel X12 CrNi177, DIN 17224       |                      |
| MAX. STROKE        | 1.4 mm                                       |                      |
| FORCES             | 0.2 N initial                                | 0.36 N at 1/2 stroke |
| MECHANICAL LIFE    | 40'000 cycles                                |                      |
| OPERATING CURRENT  | Max. 2 A                                     |                      |
| CONTACT RESISTANCE | 20 mΩ (static measurement, halfway position) |                      |

## ORDERING INFORMATION ROHS COMPLIANT PARTS

| PLATING CODE | PIN | PISTON           |
|--------------|-----|------------------|
| 28           | Tin | 0.3 µm min. gold |



See page 178 for plating specs.

Surface mount miniature SLC connectors available on request.

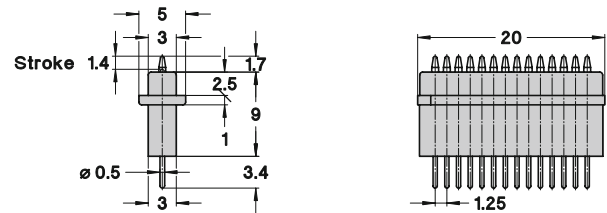
Please consult.

### 8PD-28-0014-01-812

Straight SLC connector, solder tail, single row

Standard number of contacts: 14

Please consult for other pin number or partially equipped connectors

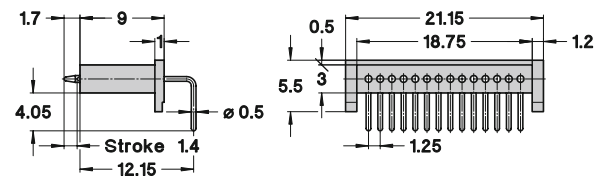


### 8PC-28-0014-01-828

Right angle SLC connector, solder tail, single row

Standard number of contacts: 14

Please consult for other pin number or partially equipped connectors





precidip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

# SPRING-LOADED CONNECTORS

2 mm GRID / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Basic modular connectors with spring-loaded contacts (SLC), surface mount. Contacts with hollow piston design for low profile.

## TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

|                    |                                                 |                      |
|--------------------|-------------------------------------------------|----------------------|
| INSULATOR          | Black glass filled polyester PCT-GF30-FR        |                      |
| FLAMMABILITY       | UL 94V-0                                        |                      |
| PISTON AND BARREL  | Brass CuZn36Pb3 (C36000)                        |                      |
| SPRING             | Stainless steel X12 CrNi177, DIN 17224          |                      |
| MAX. STROKE        | 1.4 mm                                          |                      |
| FORCES             | 0.3 N initial                                   | 0.85 N at 1/2 stroke |
| MECHANICAL LIFE    | 50'000 cycles                                   |                      |
| OPERATING CURRENT  | Max. 3.5 A                                      |                      |
| CONTACT RESISTANCE | 10 mΩ (static measurement, halfway position)    |                      |
| COPLANARITY        | Max. 0.1 mm (measured on 25 mm long connectors) |                      |
| SMD TERMINATIONS   |                                                 |                      |

## ORDERING INFORMATION ROHS COMPLIANT PARTS

| PLATING CODE | BARREL       | PISTON      |
|--------------|--------------|-------------|
| S1           | 0.25 µm gold | 0.5 µm gold |

See page 178 for plating specs.

**NNN number of poles.** Replace **NNN** with the requested number of poles, e.g. 821-SS-**NNN**-30-012101 for a single row version with 16 pins becomes 821-SS-**016**-30-012101.

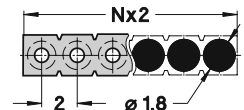
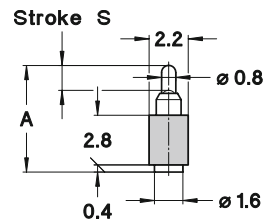
### 821-SS-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, single row

AVAILABILITY FROM 2 to 10 contacts  
(standard number of contacts: 10)



T & R Packaging



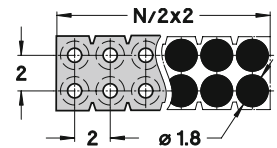
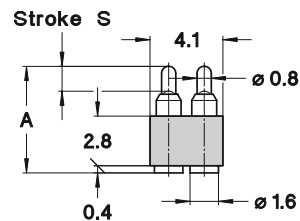
### 823-SS-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, double row

AVAILABILITY FROM 4 to 20 contacts  
(standard number of contacts: 20)



T & R Packaging



## AVAILABLE CONNECTOR HEIGHTS

| INITIAL HEIGHT A (mm) | STROKE S (mm) | XXX CODE |
|-----------------------|---------------|----------|
| 5                     | 1.4           | 012      |
| 5.5                   | 1.4           | 013      |
| 6                     | 1.4           | 014      |
| 6.5                   | 1.4           | 015      |



precidip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

# SPRING-LOADED CONNECTORS

2.54 mm GRID / SINGLE ROW / DOUBLE ROW / SOLDER TAIL

Low resistance modular connectors with spring-loaded contacts (SLC), solder tail. Contacts with improved, shaped piston design.

## TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

|                    |                                              |                      |
|--------------------|----------------------------------------------|----------------------|
| INSULATOR          | Black glass filled polyester PCT-GF30-FR     |                      |
| FLAMMABILITY       | UL 94V-0                                     |                      |
| PISTON AND BARREL  | Brass CuZn36Pb3 (C36000)                     |                      |
| SPRING             | Music wire DIN 17223, gold plated            |                      |
| MAX. STROKE        | 1.4 mm                                       |                      |
| FORCES             | 0.25 N initial                               | 0.85 N at 1/2 stroke |
| MECHANICAL LIFE    | 50'000 cycles                                |                      |
| OPERATING CURRENT  | Max. 3.5 A                                   |                      |
| CONTACT RESISTANCE | 10 mΩ (static measurement, halfway position) |                      |

## ORDERING INFORMATION ROHS COMPLIANT PARTS

| PLATING CODE | BARREL       | PISTON      |
|--------------|--------------|-------------|
| S1           | 0.25 µm gold | 0.5 µm gold |
| SS           | 0.5 µm gold  | 0.5 µm gold |



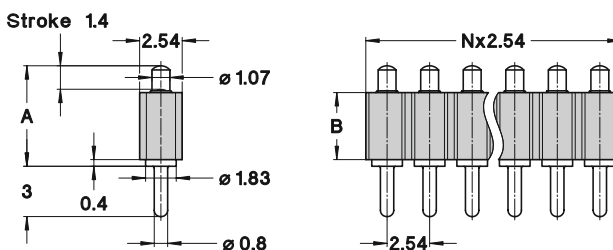
See page 178 for plating specs.

**NNN number of poles:** Replace **NNN** with the requested number of poles, e.g. 813-S1-**NNN**-10-014101 for a double row version with 16 pins becomes 813-S1-**016**-10-01410110-001101.

### 811-S1-**NNN**-10-**XXX**101

Straight SLC connector, low profile, solder tail, single row

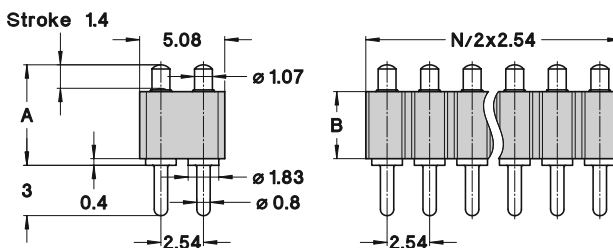
AVAILABILITY FROM 2 to 64 contacts  
(standard number of contacts: 64)



### 813-S1-**NNN**-10-**XXX**101

Straight SLC connector, low profile, solder tail, double row

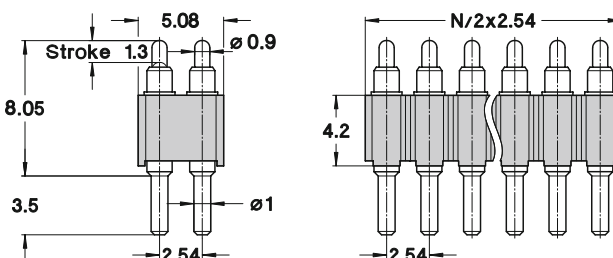
AVAILABILITY FROM 4 to 72 contacts  
(standard number of contacts: 72)



### 813-SS-**NNN**-10-474101

Straight SLC connector, solder tail, double row

AVAILABILITY FROM 4 to 64 contacts  
(standard number of contacts: 64)



## AVAILABLE CONNECTOR HEIGHTS

| INITIAL HEIGHT A (mm) | PLASTIC BODY HEIGHT B (mm) | XXX CODE |
|-----------------------|----------------------------|----------|
| 6                     | 4                          | 014      |
| 6.5                   | 4                          | 015      |
| 7                     | 4                          | 016      |
| 7.5                   | 4                          | 017      |





precidip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

# SPRING-LOADED CONNECTORS

2.54 mm GRID / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Basic modular connectors with spring-loaded contacts (SLC), surface mount. Contacts with hollow piston design for low profile.

## TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

|                    |                                                                                                |                     |
|--------------------|------------------------------------------------------------------------------------------------|---------------------|
| INSULATOR          | Black glass filled polyester PCT-GF30-FR                                                       |                     |
| FLAMMABILITY       | UL 94V-0                                                                                       |                     |
| PISTON AND BARREL  | Brass CuZn36Pb3 (C36000)                                                                       |                     |
| SPRING             | Stainless steel X12 CrNi177, DIN 17224<br>(Music wire DIN 17223, gold plated for 811...008101) |                     |
| MAX. STROKE        | 1.4 mm (1 mm for 811-...-008101<br>and 1.5 mm for 811/813-...-001101)                          |                     |
| FORCES             | 0.25 N initial                                                                                 | 0.6 N at 1/2 stroke |
| MECHANICAL LIFE    | 100'000 cycles                                                                                 |                     |
| OPERATING CURRENT  | Max. 3.5 A                                                                                     |                     |
| CONTACT RESISTANCE | 15 mΩ (static measurement, halfway position)                                                   |                     |
| COPLANARITY        | Max. 0.1 mm (measured on 25 mm long connectors)                                                |                     |
| SMD TERMINATIONS   |                                                                                                |                     |



## ORDERING INFORMATION ROHS COMPLIANT PARTS

| PLATING CODE | BARREL      | PISTON      |
|--------------|-------------|-------------|
| SS           | 0.5 µm gold | 0.5 µm gold |

See page 178 for plating specs.

**NNN number of poles.** Replace **NNN** with the requested number of poles, e.g. 811-SS-**NNN**-30-002101 for a single row version with 16 pins becomes 811-SS-**016**-30-002101.

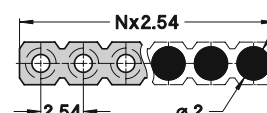
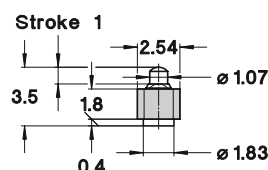
### 811-SS-**NNN**-30-008101

Surface mount SLC connector, very low profile, single row

AVAILABILITY FROM 2 to 10 contacts  
(standard number of contacts: 10)



T & R Packaging



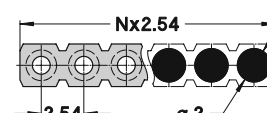
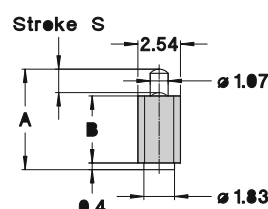
### 811-SS-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, single row

AVAILABILITY FROM 2 to 10 contacts  
(standard number of contacts: 10)



T & R Packaging



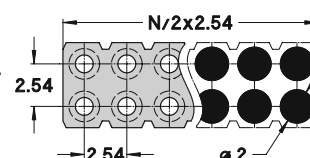
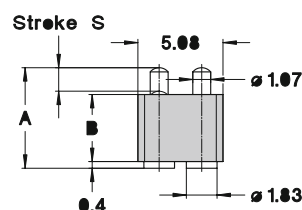
### 813-SS-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, double row

AVAILABILITY FROM 4 to 20 contacts  
(standard number of contacts: 20)



T & R Packaging



## AVAILABLE CONNECTOR HEIGHTS

| INITIAL HEIGHT A (mm) | STROKE S (mm) | PLASTIC BODY HEIGHT B (mm) | XXX CODE |
|-----------------------|---------------|----------------------------|----------|
| 4.5                   | 1.15          | 2.95                       | 001      |
| 5                     | 1.4           | 2.95                       | 002      |
| 5.5                   | 1.4           | 2.95                       | 003      |
| 6                     | 1.4           | 4                          | 004      |
| 6.5                   | 1.4           | 4                          | 005      |
| 7                     | 1.4           | 4                          | 006      |
| 7.5                   | 1.4           | 4                          | 007      |





preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

# SPRING-LOADED CONNECTORS

2.54 mm GRID / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

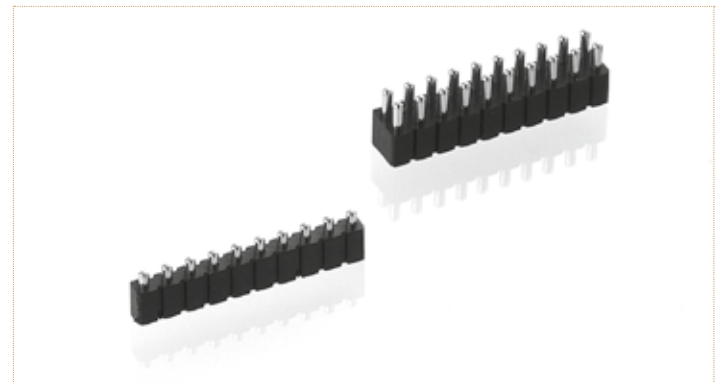
Low resistance modular connectors with spring-loaded contacts (SLC), surface mount. Contacts with improved shaped piston design.

## TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

|                    |                                                 |                      |
|--------------------|-------------------------------------------------|----------------------|
| INSULATOR          | Black glass filled polyester PCT-GF30-FR        |                      |
| FLAMMABILITY       | UL 94V-0                                        |                      |
| PISTON AND BARREL  | Brass CuZn36Pb3 (C36000)                        |                      |
| SPRING             | Music wire DIN 17223, gold plated               |                      |
| MAX. STROKE        | 1.4 mm                                          |                      |
| FORCES             | 0.25 N initial                                  | 0.85 N at 1/2 stroke |
| MECHANICAL LIFE    | 50'000 cycles                                   |                      |
| OPERATING CURRENT  | Max. 3.5 A                                      |                      |
| CONTACT RESISTANCE | 10 mΩ (static measurement, halfway position)    |                      |
| COPLANARITY        | Max. 0.1 mm (measured on 25 mm long connectors) |                      |
| SMD TERMINATIONS   |                                                 |                      |

## ORDERING INFORMATION ROHS COMPLIANT PARTS

|              |              |             |
|--------------|--------------|-------------|
| PLATING CODE | BARREL       | PISTON      |
| S1           | 0.25 µm gold | 0.5 µm gold |



See page 178 for plating specs.

**NNN number of poles.** Replace **NNN** with the requested number of poles, e.g. 813-S1-**NNN**-30-014101 for a double row version with 16 pins becomes 813-S1-**016**-30-014101.

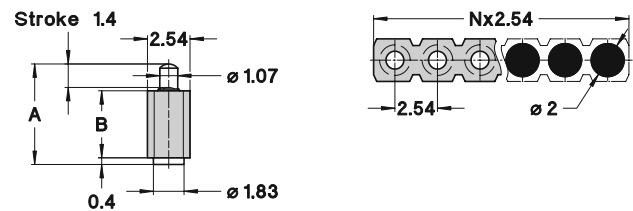
### 811-S1-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, single row

AVAILABILITY FROM 2 to 10 contacts  
(standard number of contacts: 10)



T & R Packaging



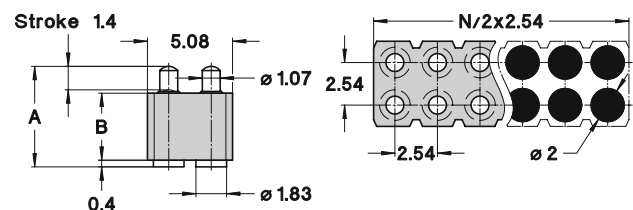
### 813-S1-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, double row

AVAILABILITY FROM 4 to 20 contacts  
(standard number of contacts: 20)



T & R Packaging



## AVAILABLE CONNECTOR HEIGHTS

| INITIAL HEIGHT A (mm) | PLASTIC BODY HEIGHT B (mm) | XXX CODE |
|-----------------------|----------------------------|----------|
| 6                     | 4                          | 014      |
| 6.5                   | 4                          | 015      |
| 7                     | 4                          | 016      |
| 7.5                   | 4                          | 017      |



precidip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

# SPRING-LOADED CONNECTORS

2.54 mm GRID / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Basic modular connectors with spring-loaded contacts (SLC), surface mount with positioning pins. Contacts with hollow piston design for low profile.

## TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

|                    |                                                 |
|--------------------|-------------------------------------------------|
| INSULATOR          | Black glass filled polyester PCT-GF30-FR        |
| FLAMMABILITY       | UL 94V-0                                        |
| PISTON AND BARREL  | Brass CuZn36Pb3 (C36000)                        |
| SPRING             | Stainless steel X12 CrNi177, DIN 17224          |
| MAX. STROKE        | 1.4 mm (1.15 mm for 811/813-...-021101)         |
| FORCES             | 0.25 N initial 0.6 N at 1/2 stroke              |
| MECHANICAL LIFE    | 100'000 cycles                                  |
| OPERATING CURRENT  | Max. 3.5 A                                      |
| CONTACT RESISTANCE | 15 mΩ (static measurement, halfway position)    |
| COPLANARITY        | Max. 0.1 mm (measured on 25 mm long connectors) |
| SMD TERMINATIONS   |                                                 |

## ORDERING INFORMATION ROHS COMPLIANT PARTS

| PLATING CODE | BARREL      | PISTON      |
|--------------|-------------|-------------|
| SS           | 0.5 μm gold | 0.5 μm gold |

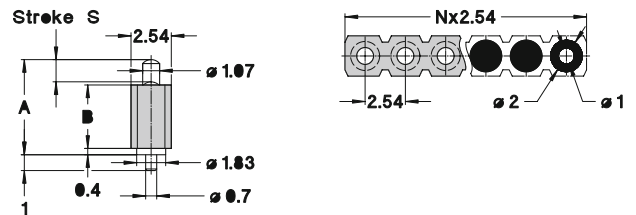
See page 178 for plating specs.

**NNN number of poles.** Replace **NNN** with the requested number of poles, e.g. 813-SS-**NNN**-30-021101 for a double row version with 16 pins becomes 813-SS-**016**-30-021101.

### 811-SS-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, single row, with 2 positioning pins

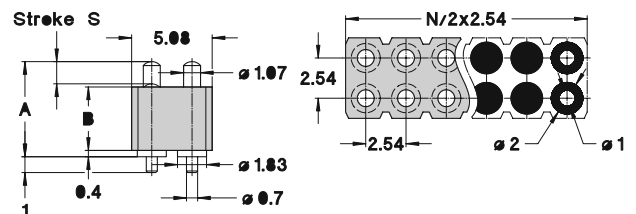
AVAILABILITY FROM 2 to 10 contacts  
(standard number of contacts: 10)



### 813-SS-**NNN**-30-**XXX**101

Surface mount SLC connector, double row, with 4 positioning pins

AVAILABILITY FROM 4 to 20 contacts  
(standard number of contacts: 20)



## AVAILABLE CONNECTOR HEIGHTS

| INITIAL HEIGHT A (mm) | STROKE S (mm) | PLASTIC BODY HEIGHT B (mm) | XXX CODE |
|-----------------------|---------------|----------------------------|----------|
| 4.5                   | 1.15          | 2.95                       | 021      |
| 5                     | 1.4           | 2.95                       | 022      |
| 5.5                   | 1.4           | 2.95                       | 023      |
| 6                     | 1.4           | 4                          | 024      |
| 6.5                   | 1.4           | 4                          | 025      |
| 7                     | 1.4           | 4                          | 026      |
| 7.5                   | 1.4           | 4                          | 027      |



preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

# SPRING-LOADED CONNECTORS

2.54 mm GRID / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Connectors with spring-loaded contacts (SLC), surface mount.

## TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

|                    |                                                 |                                              |                                              |
|--------------------|-------------------------------------------------|----------------------------------------------|----------------------------------------------|
| INSULATOR          | Black glass filled polyester PCT-GF30-FR        |                                              |                                              |
| FLAMMABILITY       | UL 94V-0                                        |                                              |                                              |
| PISTON AND BARREL  | Brass CuZn36Pb3 (C36000)                        |                                              |                                              |
|                    | <b>8PM...131</b>                                | <b>8PM...219</b>                             | <b>8PM...260</b>                             |
| SPRING             | Music wire<br>DIN 17723,<br>gold plated         | Stainless steel X12<br>CrNi177,<br>DIN 17224 | Stainless steel X12<br>CrNi177,<br>DIN 17224 |
| MAX. STROKE        | 1.5 mm                                          | 1 mm                                         | 1.5 mm                                       |
| FORCES             | 0.2 N initial<br>0.9 N at 1/2 stroke            | 0.25 N initial<br>0.95 N at 1/2 stroke       | 0.25 N initial<br>0.6 N at 1/2 stroke        |
| MECHANICAL LIFE    | 50'000 cycles                                   | 50'000 cycles                                | 100'000 cycles                               |
| OPERATING CURRENT  | Max. 3 A                                        | Max. 3 A                                     | Max. 3 A                                     |
| CONTACT RESISTANCE | 10 mΩ<br>(static measurement, halfway position) | 10 mΩ                                        | 15 mΩ                                        |
| COPLANARITY        |                                                 |                                              |                                              |
| SMD TERMINATIONS   | Max 0.1 mm (measured on 25 mm long connectors)  |                                              |                                              |



Other plating on request (see page 178 for plating specs).

**NN number of poles.** Replace **NN** with the requested number of poles, e.g. 8PM-11-00**NN**-02-131 with 5 pins becomes 8PM-11-00**05**-02-131.

## ORDERING INFORMATION ROHS COMPLIANT PARTS

| PLATING CODE | BARREL       | PISTON       |
|--------------|--------------|--------------|
| 11           | 0.25 µm gold | 0.25 µm gold |
| SS           | 0.5 µm gold  | 0.5 µm gold  |

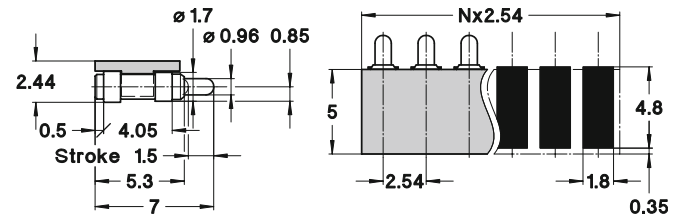
### 8PM-11-00**NN**-02-260

Parallel surface mount SLC connector for pick & place automatic assembly

AVAILABILITY FROM 2 to 10 contacts  
(standard number of contacts: 10)



T & R Packaging



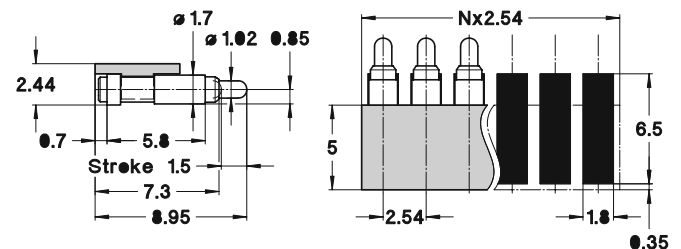
### 8PM-11-00**NN**-02-131

Parallel surface mount SLC connector for pick & place automatic assembly

AVAILABILITY FROM 2 to 10 contacts  
(standard number of contacts: 10)



T & R Packaging



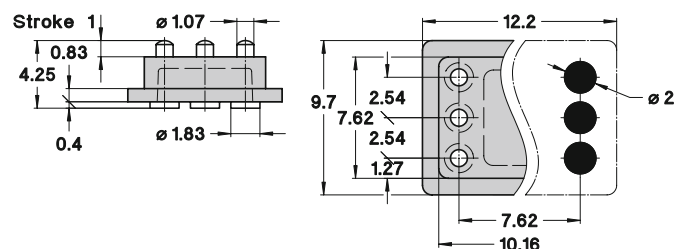
### 8PM-SS-0006-02-219

SLC connector for chipcards with contacting pads acc. to ISO 7816

Standard number of contacts: 6



T & R Packaging





precip-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

# PAD CONNECTORS

SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Pad connectors with fixed contacts, counterparts for spring-loaded connectors.

## TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

|                     |                                                 |
|---------------------|-------------------------------------------------|
| INSULATOR           | Black glass filled polyester PCT-GF30-FR        |
| FLAMMABILITY        | UL 94V-0                                        |
| CONTACT             | Brass CuZn36Pb3 (C36000)                        |
| CONTACTING AREA Ø   | 1.5 mm                                          |
| OPERATING CURRENT   | Max. 3.5 A                                      |
| DIELECTRIC STRENGTH | Min. 1'000 V <sub>RMS</sub>                     |
| COPLANARITY         | Max. 0.1 mm (measured on 25 mm long connectors) |
| SMD TERMINATIONS    |                                                 |

## ORDERING INFORMATION ROHS COMPLIANT PARTS

| PLATING CODE | TERMINATION  | CONTACTING AREA |
|--------------|--------------|-----------------|
| 10, 11       | 0.25 µm gold | 0.25 µm gold    |



See page 178 for plating specs.

**NNN / NN number of poles.** Replace **NNN** or **NN** with the requested number of poles, e.g. 802-10-**NNN**-30-507101 for a double row version with 20 pins becomes 802-10-**020**-30-507101.

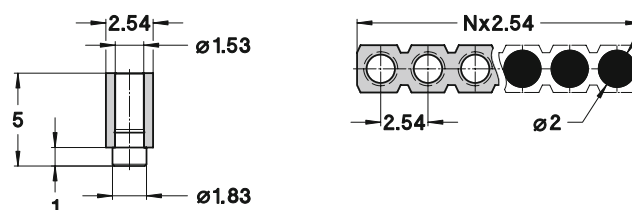
### 800-10-**NNN**-30-507101

SMD pad connector, single row, perpendicular mount

AVAILABILITY FROM 2 to 10 contacts  
(standard number of contacts: 10)



T & R Packaging



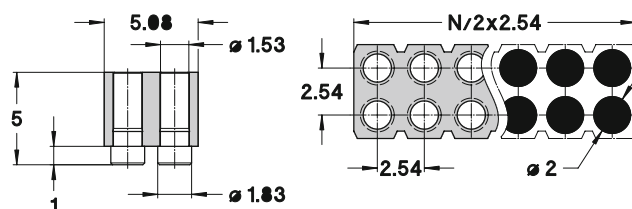
### 802-10-**NNN**-30-507101

SMD pad connector, double row, perpendicular mount

AVAILABILITY FROM 4 to 20 contacts  
(standard number of contacts: 20)



T & R Packaging



### 8MM-11-00**NN**-02-131

SMD pad connector, single row, parallel mount

AVAILABILITY FROM 2 to 10 contacts  
(standard number of contacts: 10)



T & R Packaging

