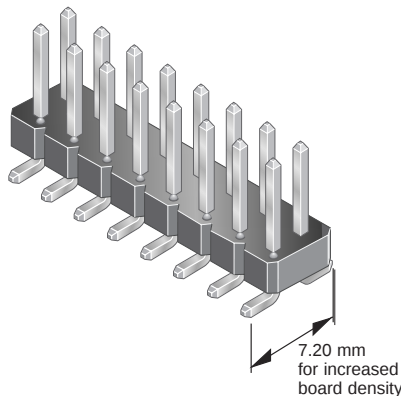
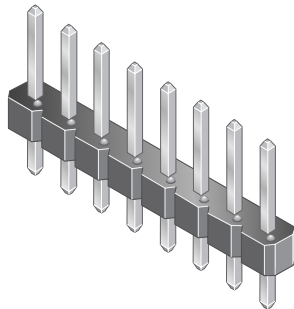




- High temperature plastic
- Selective plating

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: High temperature,
black thermoplastic
Flammability rating: UL 94 V-0
Pin: Phosphor-bronze
Plating: Gold or tin-lead over 1.27 µm nickel



Electrical Performance

Current rating: 3 A continuous
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1500 V

Mechanical Performance

Pin retention to housing:
9 N min.

Operating Temperature Range

-65°C to +125°C

Packaging

Standard: Bags
Optional: Tubes or
Tape-and-reel with pick-up cap
(SMT pin style 01 only)

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: By 5-digit base part number

Product specification: BUS-12-114

Tape and Reel packaging data : TA 840

Specifications subject to change without notice.

Mating Data

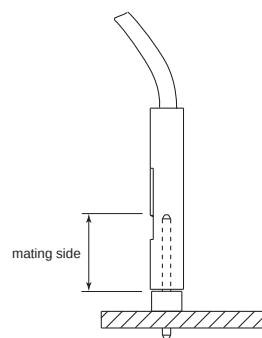
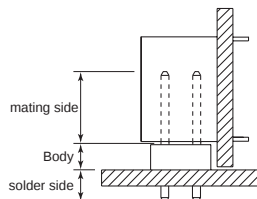
	Page
■ Dubox™ Crimp-to-wire contacts	18
■ Dubox™ Crimp-to-wire housings	20
■ Dubox™ Vertical receptacles	24
■ Dubox™ Low profile vertical receptacles	26, 28
■ Dubox™ Horizontal receptacles	30
■ Quickie™ IDC receptacles	32
■ Dubox™ Shunts	36

Processing Information

Compatible with wave, vapor-phase, and
IR reflow soldering processes

Recommended IR profile TA 842 for SMT

Typical Applications



Part Number

5-Digit Base Part Number — **Plating** **Pin Style** **Option** **Total Positions**

Through mount
77311 = Single Row
77313 = Double Row

Surface mount
95293 = Single Row
95278 = Double Row
98401 = Double Row with pegs

1 = 0.76 μ m gold on mating area, tin-lead on solder side
4 = 3.81 μ m tin-lead
8 = 0.38 μ m gold on mating area, tin-lead on solder side

Surface mount		Through mount			
Pin style	Mating	Pin style	Mating	Solder	OAL
01	5.84	01	5.84	2.41	10.80
02	8.08	18	5.84	3.05	11.43
		02	5.84	3.42	11.80
		27	6.60	2.66	11.82
		22	7.75	3.06	13.35
		24	6.75	2.90	12.20

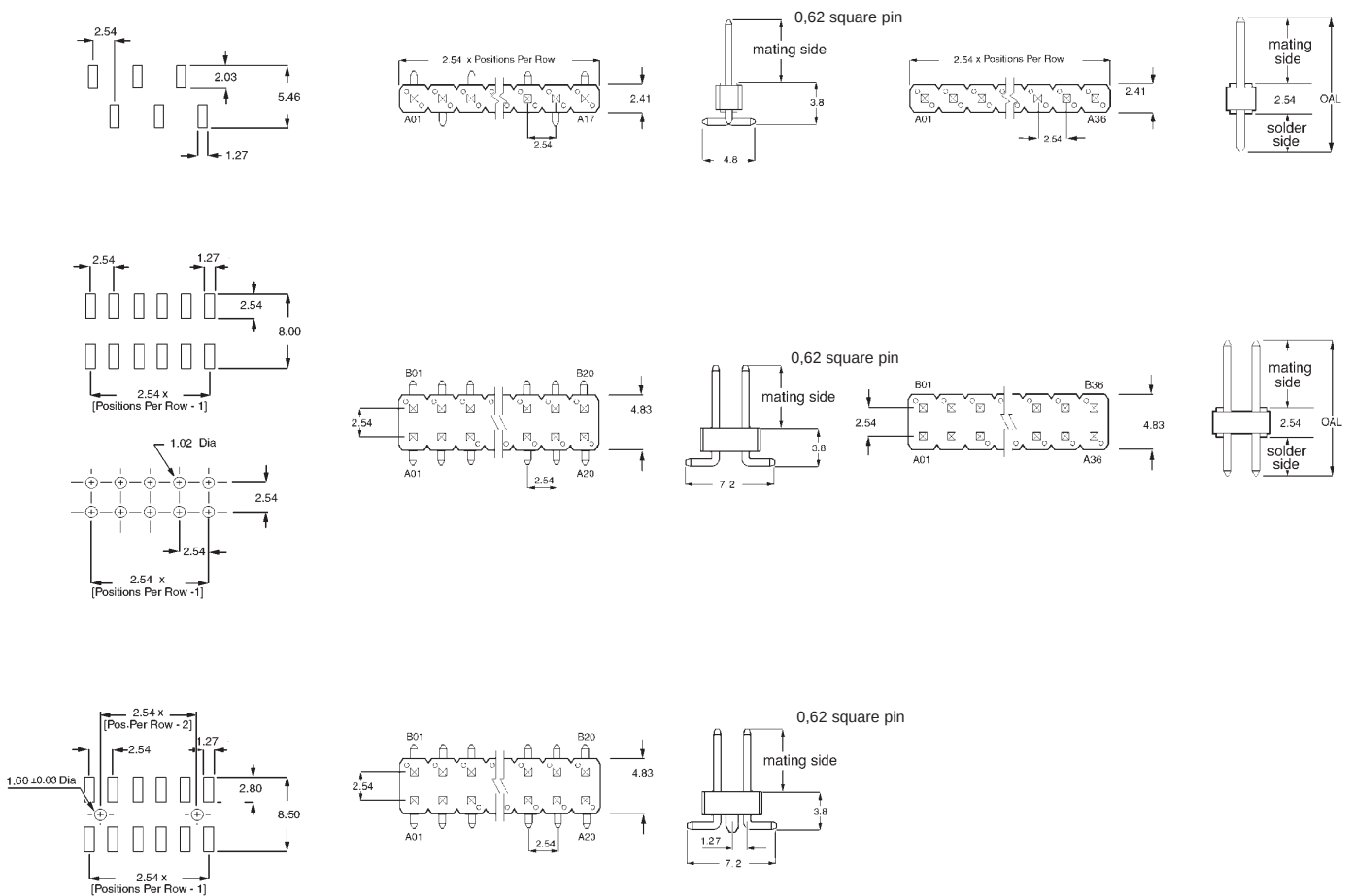
01 to 36 = Single row TMT
03 to 17 = Single Row SMT
02 to 72 = Double row TMT
04 to 50 = Double Row SMT
08 to 50 = Double Row SMT with pegs

Option	Packaging
A	Tape-and-reel with pick-up cap
B	Tube with pick-up cap

options for SMT only, mating pin style 01

Part Number				
77311	- 1	01	-	Total pos.
77311	- 1	18	-	Total pos.
77313	- 1	01	-	Total pos.
77313	- 1	18	-	Total pos.
95278	- 1	01	-	Total pos.

CORE RANGE

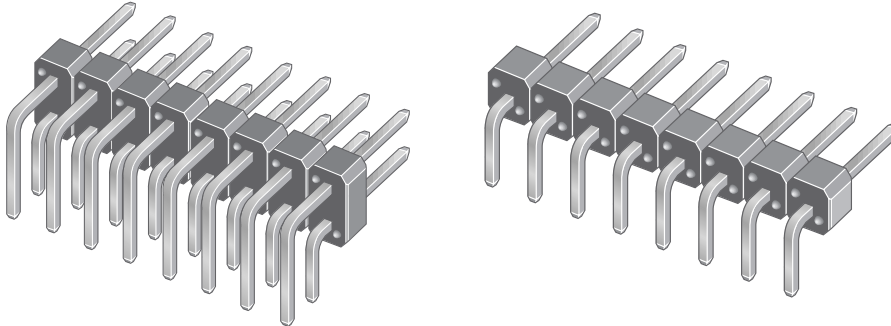


Recommended PCB Layout

Dimensions in mm



- High temperature plastic
- Selective plating



**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: High temperature, black thermoplastic

Flammability rating: UL 94 V-0

Pin: Phosphor-bronze

Plating: Gold or tin-lead over 1.27 µm nickel



Electrical Performance

Current rating: 3 A continuous

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1500 V

Mechanical Performance

Pin retention to housing:
8.88 N min.

Operating Temperature Range

-65°C to +125°C

Packaging

Bags

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: By 5-digit base part number

Product specification: BUS-12-114

Specifications subject to change without notice.

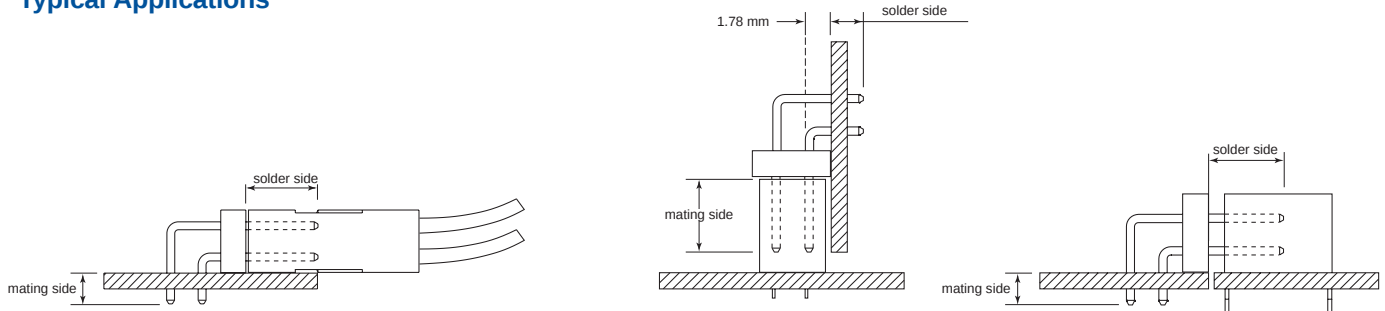
Mating Data

	Page
■ Dubox™ Crimp-to-wire contacts	18
■ Dubox™ Crimp-to-wire housings	20
■ Dubox™ Vertical receptacles	24
■ Dubox™ Low profile vertical receptacles	26, 28
■ Dubox™ Horizontal receptacles	30
■ Quickie™ IDC receptacles	32
■ Dubox™ Shunts	36

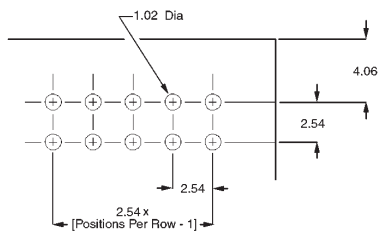
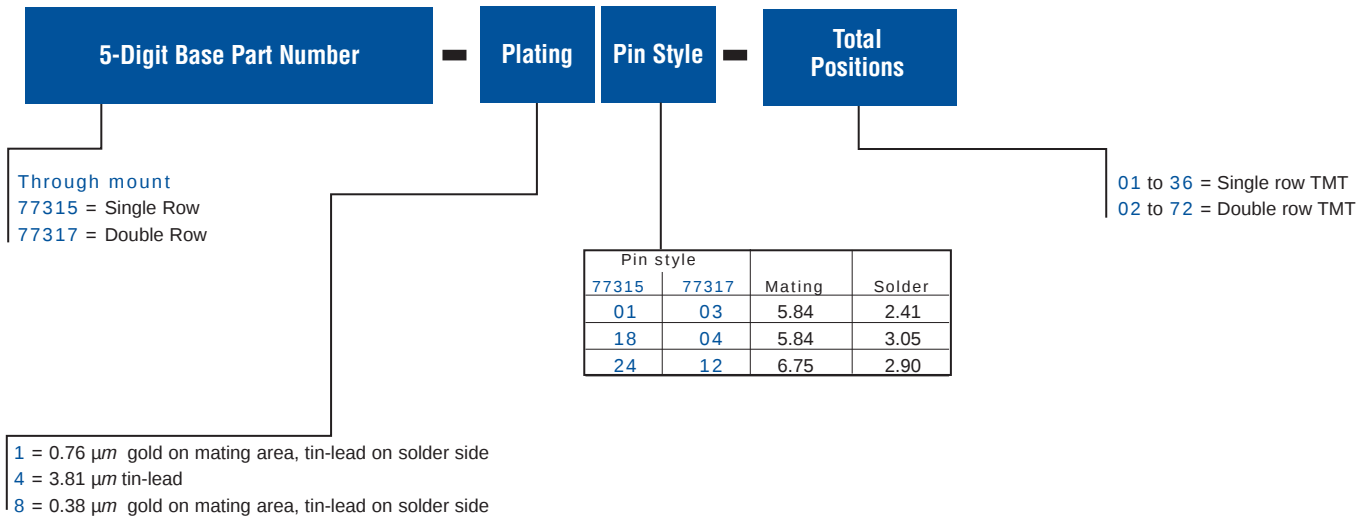
Processing Information

Compatible with wave, vapor-phase, and IR reflow soldering processes

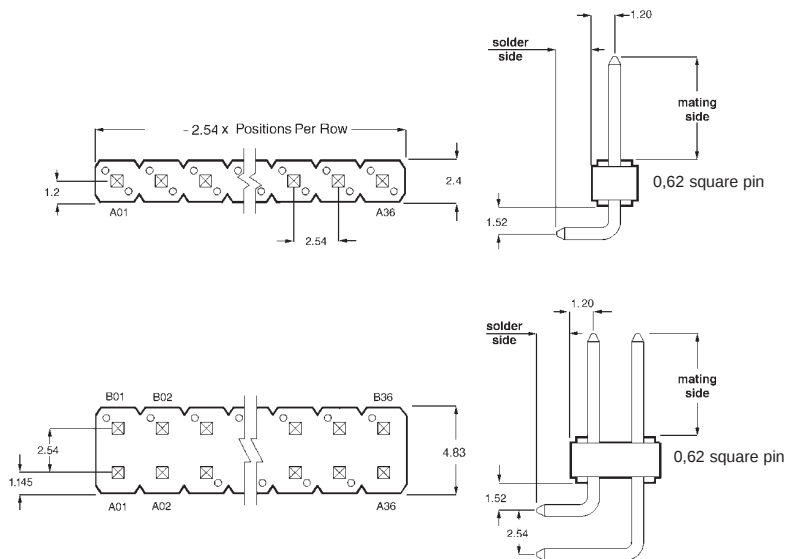
Typical Applications



Part Number

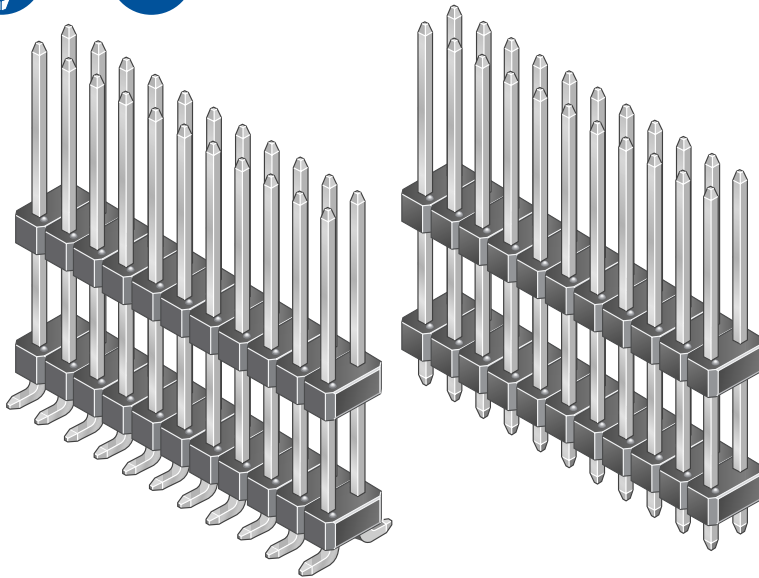


Recommended PCB Layout



Dimensions in mm

BergStik® Unshrouded Stacking Headers 2.54 mm



- Wide variety of stack heights in 0.5 mm increments
- High temperature plastic
- Selective plating

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: High temperature, black thermoplastic

Flammability rating: UL 94 V-0

Pin: Phosphor-bronze

Plating: Gold or tin-lead over 1.27 µm nickel



Electrical Performance

Current rating: 3 A continuous

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1500 V

Mechanical Performance

Pin retention to housing:

9 N min.

Operating Temperature Range

-65°C to +125°C

Packaging

Standard: Bags

Reference Information

File no. E66906

File no. LR46923

Product drawing: By 5-digit base part number

Product specification: BUS-12-114

Specifications subject to change without notice.

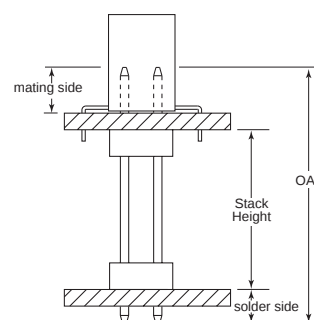
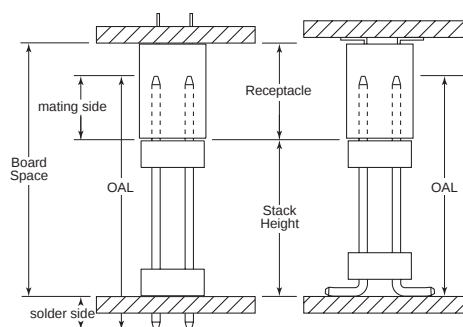
Mating Data

- Dubox™ Vertical receptacles 24
- Dubox™ Low profile vertical receptacles 26, 28

Processing Information

Compatible with wave, vapor-phase, and IR reflow soldering processes

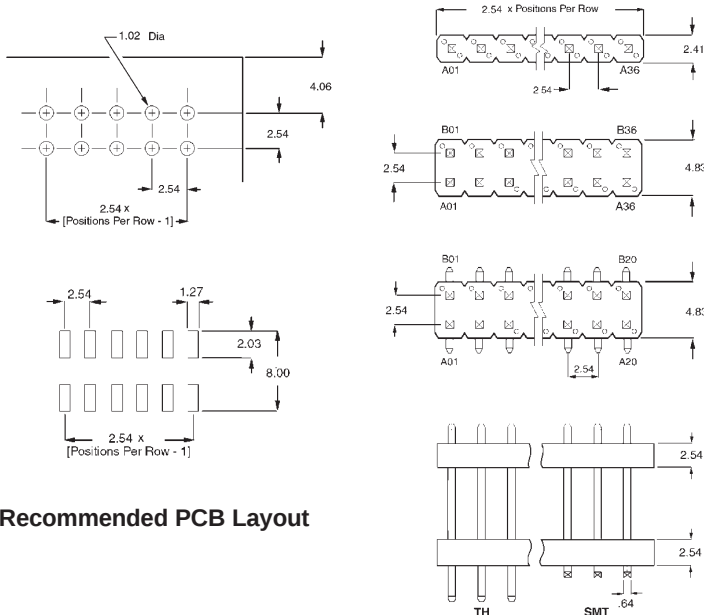
Typical Applications



Part Number

5	4	Lead	Solder Side Option	Row Option	Plating	Pin Style	Total Positions	Stack Height
	1 = Through Hole (TMT) 2 = Surface Mount (SMT)			1 = Single Row (TMT only) 2 = Double Row			01 to 36 single row (TMT) 04 to 72 double row (TMT) 04 to 50 double row (SMT)	XX.XX = mm Specify mm (i.e. 08.50 = 8.50 mm in 0.50 mm increments 08.00 min. - 25.00 max.)
	1 = 2.41 2 = 3.05 4 = SMT (double row only)							
		1 = 0.76 µm gold on mating area, tin-lead on solder side 4 = 3.81 µm tin-lead 8 = 0.38 µm gold on mating area, tin-lead on solder side						

Pin Style	OAL (TMT) mm	OAL (SMT) mm
01	12.20	10.42
02	13.50	11.72
03	15.90	14.12
04	16.76	14.98
05	17.65	15.87
06	18.91	17.13
07	20.96	19.18
08	23.50	21.72
09	26.04	24.26
10	28.58	26.80
11	31.12	29.34
12	33.66	31.88



Recommended PCB Layout

Step-by-Step Design

1. Determine desired board spacing (0.50 mm increments)
2. Select Dubox™ receptacle and calculate stack height
Stack Height = Board Spacing – Receptacle Height
3. Find the insertion depth from the chart below.
Calculate max./min. OAL
OAL = Stack Height + solder side + Insertion Depth
4. Select the Pin Style with OAL between max. and min. values

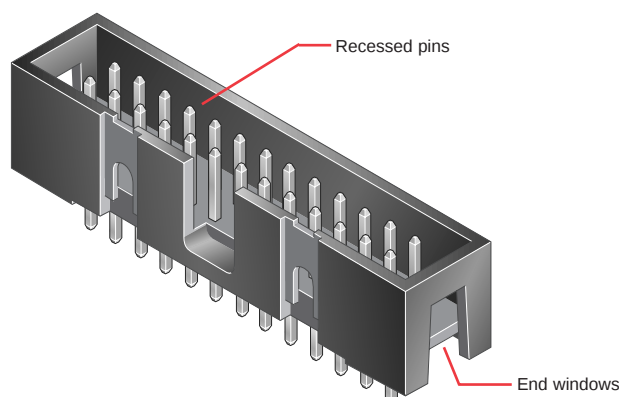
	Dubox™ RECEPTACLES	
	Low Profile	Vertical
Height	7.00	8.50
Insertion Depth (max.)	6.10	6.10
Insertion Depth (min.)	3.86	4.34

Example:

1. Application requires a board spacing of 22.50
2. Select the Dubox™ Low Profile Receptacle with height of 7.00
The Header Stack Height is 22.50 - 7.00 = 15.50
3. For standard board applications, the 3.05 solder side is selected
OAL (max.) = 15.50 + 3.05 + 6.10 = 24.65
OAL (min.) = 15.50 + 3.05 + 3.86 = 22.41
4. Select Pin Style 08 with OAL = 23.50
5. Part Number is 54122-108-72-1550

Dimensions in mm

Quickie™ Shrouded Low Profile Headers 2.54 mm



- Selective plating
- Recessed pins assure proper alignment and eliminate damage during mating
- End windows for latching with IDC receptacle

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: Glass filled, thermoplastic polyester, blue
Flammability rating: UL 94 V-0
Pin: Phosphor-bronze
Plating: Gold or tin-lead over 1.27 µm nickel

Electrical Performance

Current rating: 3 A continuous
Insulation resistance: 10,000 MΩ min.
Dielectric withstanding voltage: 500 V min.

Mechanical Performance

Pin retention to housing: 20 N min.

Operating Temperature Range

-65°C to +125°C

Packaging

Tubes – Vertical
Tubes – Right angle

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: By 5-digit base partnumber

Product specification: BUS-12-082

Specifications subject to change without notice.

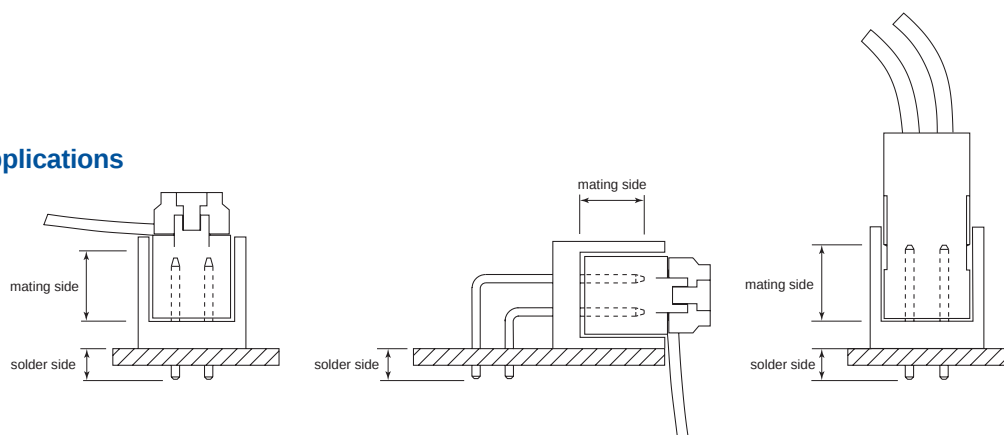
Mating Data

	Page
■ Dubox™ Crimp-to-wire contacts	18
■ Dubox™ Crimp-to-wire housings	20
■ Quickie™ IDC receptacles	32

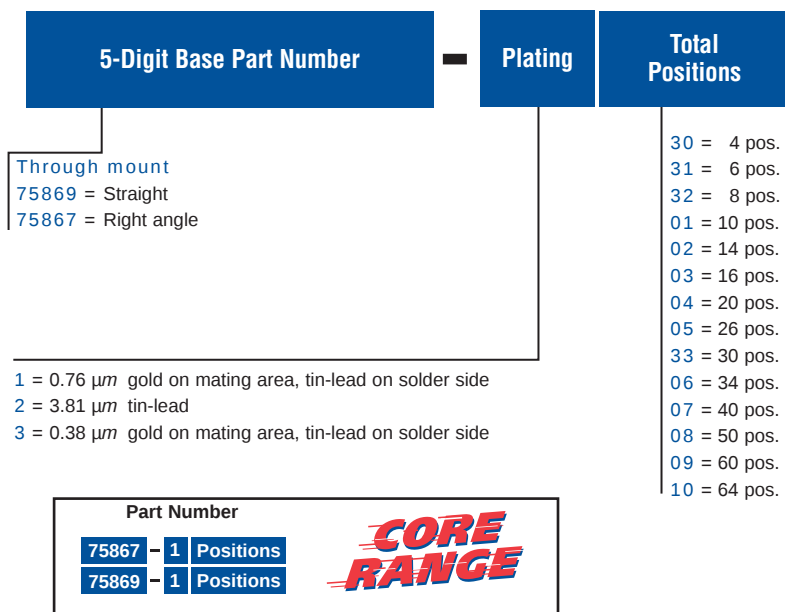
Processing Information

Compatible with wave soldering processes

Typical Applications

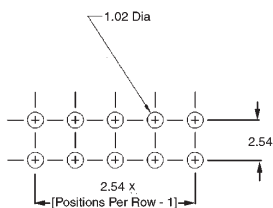
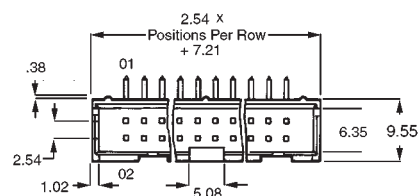
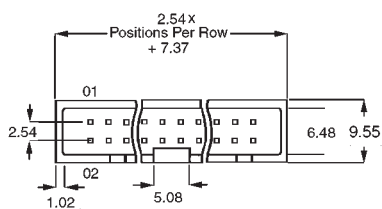


Part Number

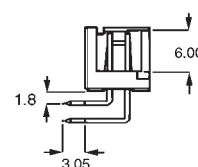
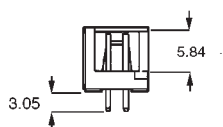
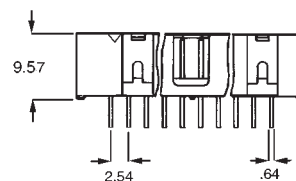
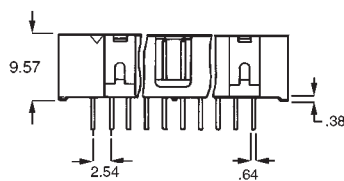


Vertical

Right Angle



Recommended PCB Layout

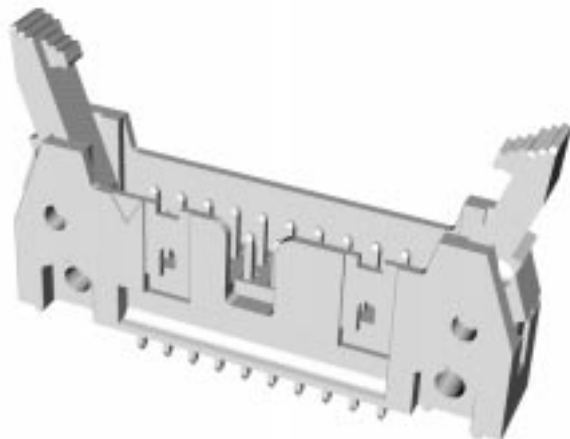


Dimensions in mm

Quickie™ Shrouded Eject Latch Headers 2.54 mm



- Selective plating
- Recessed pins assure proper alignment and eliminate damage during mating



**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: Glass filled, thermoplastic polyester, gray
Flammability rating: UL 94 V-0
Pin: Phosphor-bronze
Plating: gold over 1.27 µm nickel

Electrical Performance

Current rating: 3 A continuous
Insulation resistance: 10,000 MΩ min.
Dielectric withstanding voltage: 1500 V

Mechanical Performance

Pin retention to housing: 20 N min.

Operating Temperature Range

-65°C to +125°C

Packaging

Bags – Vertical
Bags – Right angle

Reference Information

File no. E66906

File no. LR46923

Product drawing: By 5-digit base part number

Product specification: BUS-12-082

Specifications subject to change without notice.

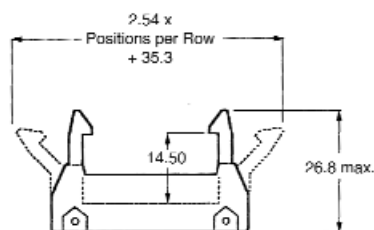
Mating Data

	Page
■ Dubox™ Crimp-to-wire contacts	18
■ Dubox™ Crimp-to-wire housings	20
■ Quickie™ IDC receptacles	32

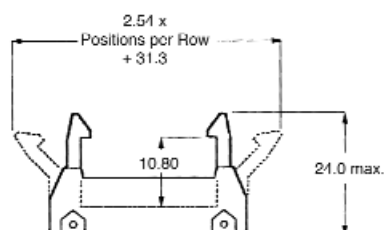
Processing Information

Compatible with wave soldering processes

Latching Styles



Standard Latch (Style 1)



Low Profile Latch (Style 2)

Part Number

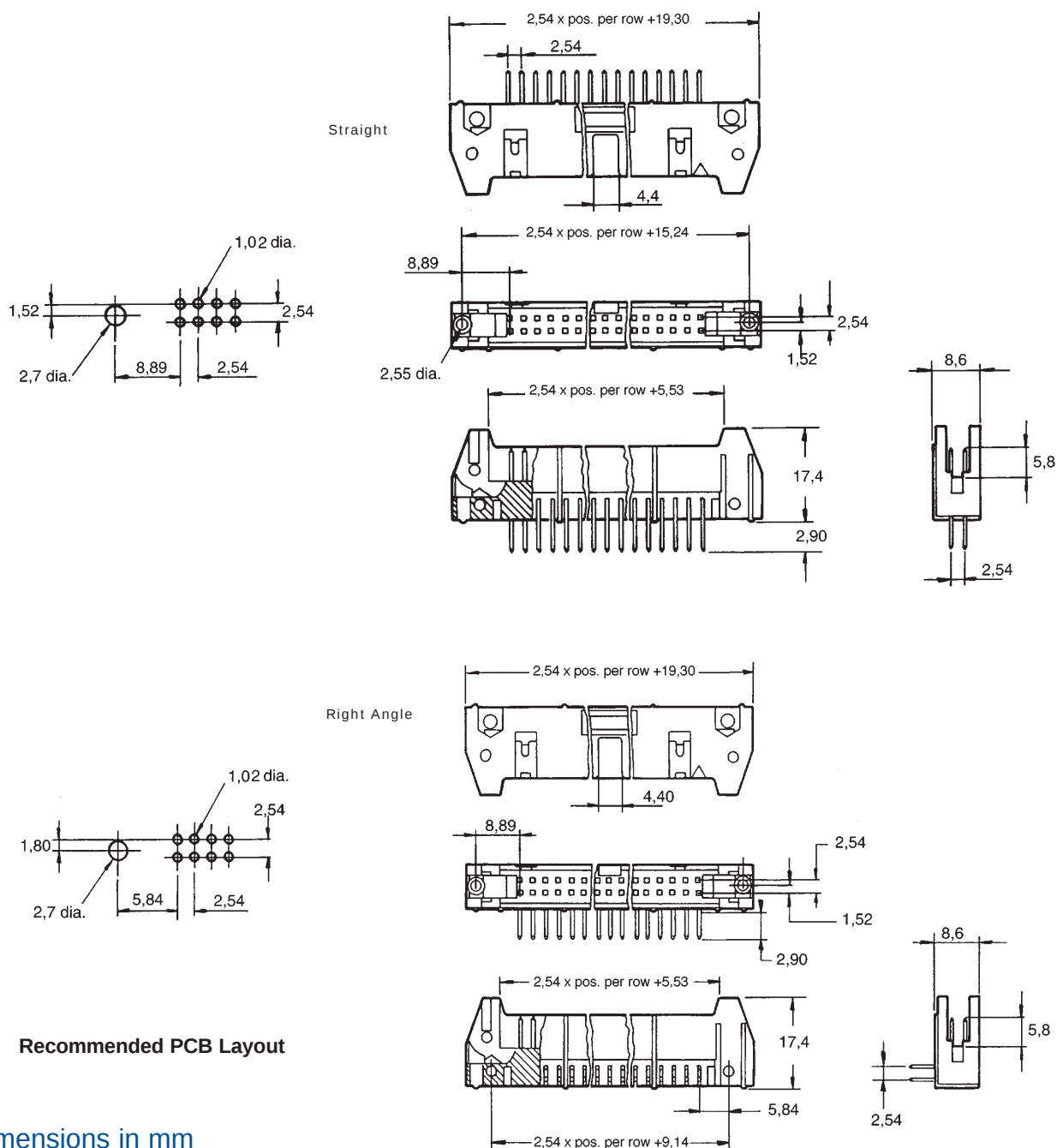
5-Digit Base Part Number	Latch Style	Total Positions
Through mount 71918 = Straight 71922 = Right angle	1 = Standard (mates with IDC Receptacle Strain Relief 0,2) 2 = Low Profile (mates with IDC Receptacle without Strain Relief)	06, 08, 10, 14, 16, 18, 20, 26, 30, 34, 40, 44, 50, 60, 64

Plating = 0.76 µm gold on mating area, tin-lead on solder side

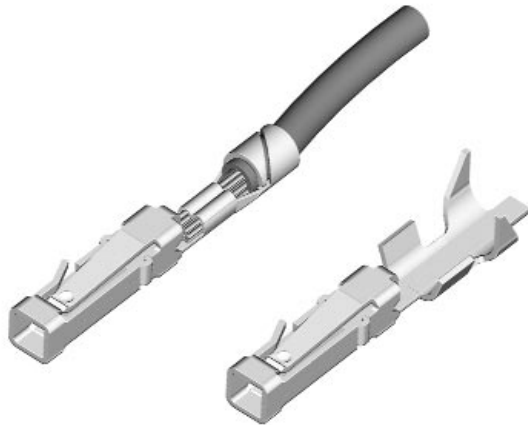
Part Number

71918	- 1	Total Pos.
71922	- 1	Total Pos.





Dimensions in mm



- The Dubox™ contact has a pre-stressed, dual beam design to enable low insertion force.
- Mates with very short pins (5 mm)
- Universal crimp barrel accomodates wires from AWG 22-30
- Selective plating

**24 HOUR
SAMPLES**

Technical Data

Physical

Contact: phosphor bronze
Plating: 0.76µm Gold over 1.27 µm nickel
5.0 µm tin-lead

Electrical Performance

Current rating: 3 A continuous
Contact resistance after environmental test:
15 mΩ max. – Contact
Dielectric withstanding voltage: 1000 V rms

Mechanical Performance

Mating cycles (durability): 200 – Gold
Insertion force gold finish contact: 1.3 N
Withdrawal force (min) gold finish contact: 0.3 N

Operating Temperature Range

-65°C to +125°C

Packaging

Reels
Boxes – Loose piece

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: By 5-digit base part number

Product specification: BUS-12-055 – Contact

Application specification: TA-317, TA-340

Specifications subject to change without notice.

Mating Data

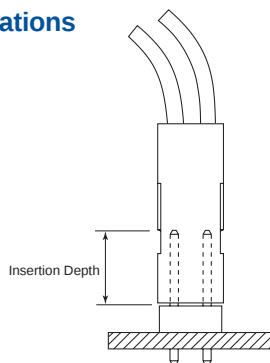
Page

- BergStik® unshrouded straight headers 8
- BergStik® unshrouded right angle headers 10
- Dubox™ shrouded vert./ra. headers 22

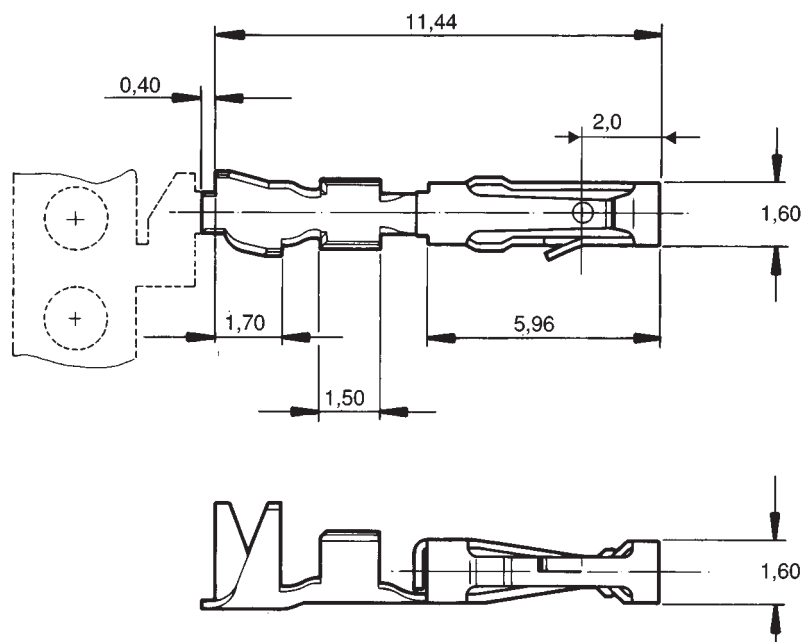
Insertion Depth

- Discrete Wire: 3.56 mm min. to 5.59 mm max.
[provides .381 mm wipe]
- Crimp-to-Wire Housing: 5.08 mm min.
to 6.22 mm max.
[provides .381 mm wipe in housing]

Typical Applications



Part numbers / Contacts on Reel				
Wire size	insulation O.D.	Selective Plated	Tin-lead plated	Packaging
22-30	0.90 - 1.50	76347-301	76347-401	15.000/reel
22-30	0.90 - 1.50	76347-302•	76347-402•	15.000/reel
22-30	0.90 - 1.50	76347-303	76347-403	500/reel
20-22	1.10 - 1.60	76347-311	76347-411	15.000/reel
20-22	1.10 - 1.60	76347-312•	76347-412•	15.000/reel
Part numbers / Contacts loose Piece				
Wire size	insulation O.D.	Selective Plated	Tin-lead plated	Packaging
22-30	0.90 - 1.50	76357-301	76357-401	1000/box
Notes: • = reeled for application machine with left-to-right feeding				



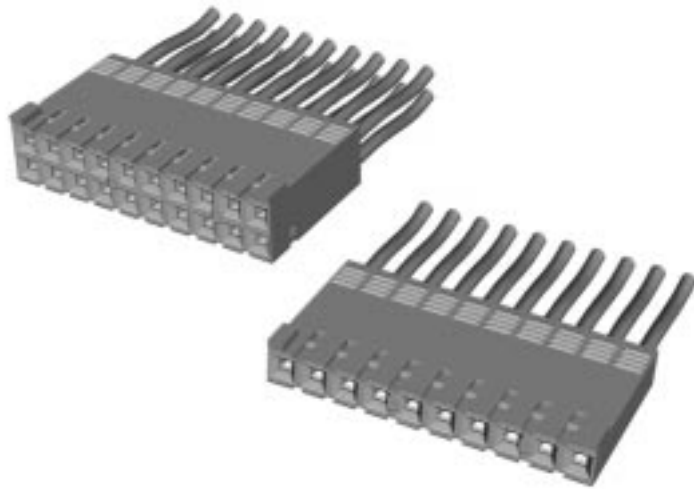
Contacts to be used with housing = 65239-xxx / 65240-xxx

Wire strip length = 3,00 ± 0,25 mm

Mating pin size = 0,62 mm square

Mating pin recommended length = 5,00 mm min.

Dimensions in mm



- For use with Dubox™ crimp-to-wire contacts
- Stackable end-to-end
- Passive latching, anti-reverse and anti-miss-match when used with Dubox™ shrouded headers
- Contacts removable for easy reparability

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: Glass filled thermoplastic polyester, blue
Flammability rating: UL 94 V-0

Electrical Performance

Insulation resistance: 1×10^5 M Ω min.
Dielectric withstanding voltage: 1000 V rms

Operating Temperature Range

-65°C to +125°C

Packaging

Bulk

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: By 5-digit base part number

Application specification: TA-317 / TA-340

Specifications subject to change without notice.

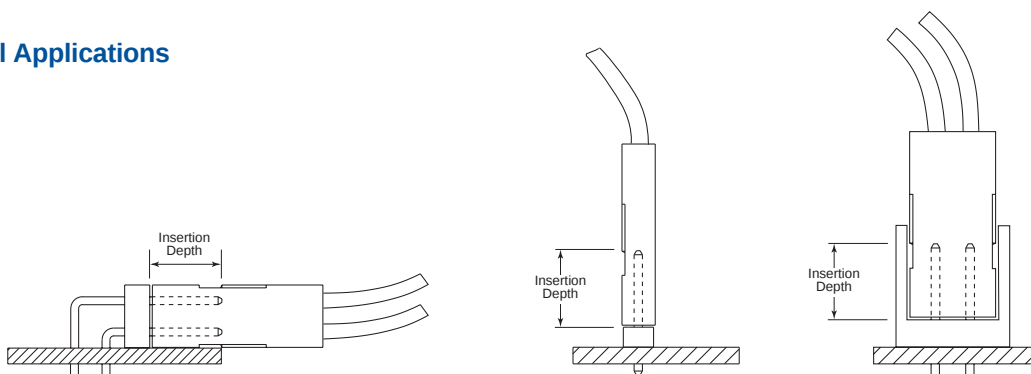
Mating Data

	Page
■ BergStik® Unshrouded straight headers	8
■ BergStik® Unshrouded right angle headers	10
■ Dubox™ Shrouded headers	22

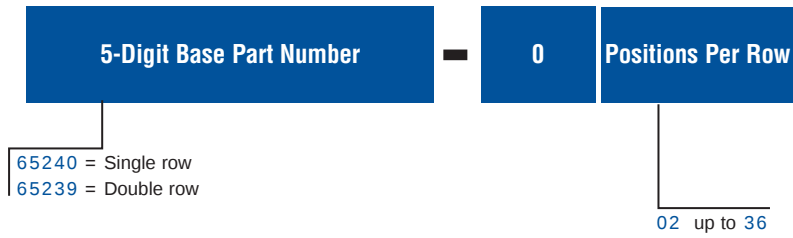
Insertion Depth

- 4.0 mm min. to 6.0 mm max.

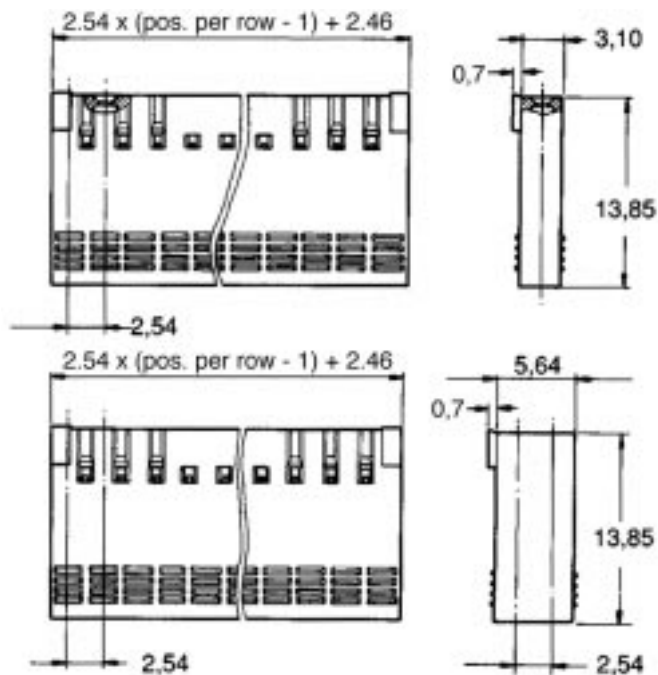
Typical Applications



Part Number



Part Number				CORE RANGE
65239	-	0	Pos. per row	
65240	-	0	Pos. per row	



- Pin size: 0.62 mm square
- Recommended pin length: 5.00 mm min.

Dimensions in mm

Dubox™ Shrouded Headers 2.54 mm



- For use with Dubox™ crimp-to-wire housings
- Stackable end-to-end
- Passive latching, anti-reverse and anti-miss-match when used with Dubox™ crimp-to-wire housings
- Selective plating

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: Glass filled thermoplastic polyester, blue
Flammability rating: UL 94 V-0
Contact: Phosphor-bronze
Plating: Gold or tin-lead over 1.27 µm nickel

Electrical Performance

Current rating: 3 A continuous
Insulation resistance: 1×10^5 MΩ min.
Dielectric withstanding voltage: 1000 V rms

Mechanical Performance

Contact retention to housing:
20 N min.

Operating Temperature Range

-40°C to +125°C

Packaging

Tube

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: By 5-digit base part number

Application specification: TA-531

Specifications subject to change without notice.

Mating Data

- Dubox™ Crimp-to-wire contacts
- Dubox™ Crimp-to-wire housings

Page

18
20

Processing Information

Compatible with wave soldering processes

Part Number



76384 = Single row, straight
76382 = Single row, right angle
76385 = Double row, straight
76383 = Double row, right angle

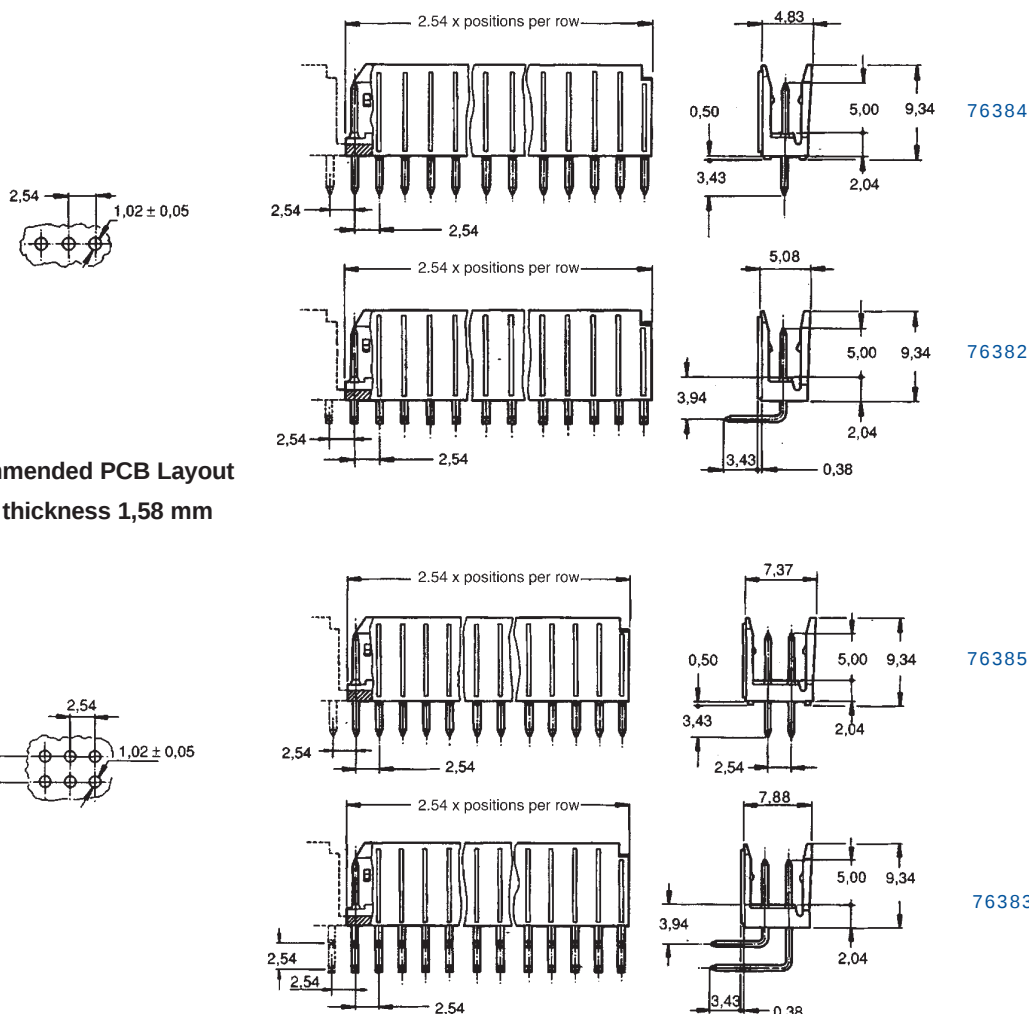
02 up to 36

3 = 0.76 μ m gold on mating area, tin-lead on solder side
4 = 3.81 μ m tin-lead

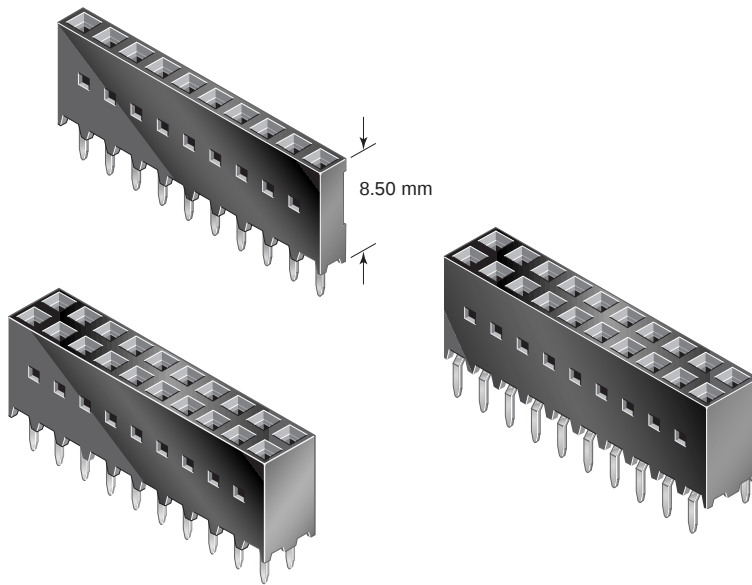
Part Number		
76384	3	Pos. per row
76385	3	Pos. per row

**CORE
RANGE**

Recommended PCB Layout
PCB thickness 1,58 mm



Dimensions in mm



- The Dubox™ contact has a pre-stressed, dual beam design to enable low insertion force
- Selective plating

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: Glass filled thermoplastic polyester, blue
 Flammability rating: UL 94 V-0
 Contact: Phosphor-bronze
 Plating: Gold or tin-lead in accordance with IEC 603-8

Electrical Performance

Current rating:
 3 A dc max. per individual contact
 2 A dc max. per contact for fully energized connector
 Insulation resistance: 1×10^5 M Ω min.
 Contact resistance: 15 m Ω max. initial, 20 m Ω max. after environmental tests
 Dielectric withstanding voltage: 1000 V rms

Mechanical Performance

Mating cycles (durability): 200
 Insertion force per gold contact: 1.50 N (150 gf) max.
 Withdrawal force per gold contact: 0.30 N (30 gf) min.

Operating Temperature Range

-65°C to +125°C

Packaging

Plastic boxes or tubes

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: By 5-digit base part number

Product specification: HE 13/14 and IEC 603-8

Specifications subject to change without notice.

Mating Data

	Page
■ BergStik® Unshrouded straight headers	8
■ BergStik® Unshrouded right angle headers	10
■ BergStik® Unshrouded stacking headers	12

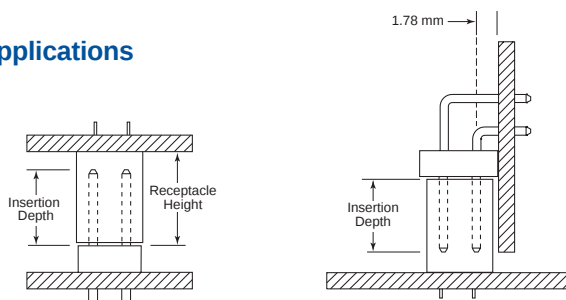
Insertion Depth

- Top Entry: 5.03 mm min. to 6.81 mm max.
[provides .381 mm wipe]
- Bottom Entry: 6.25 mm min.
[provides .381 mm wipe] plus board thickness

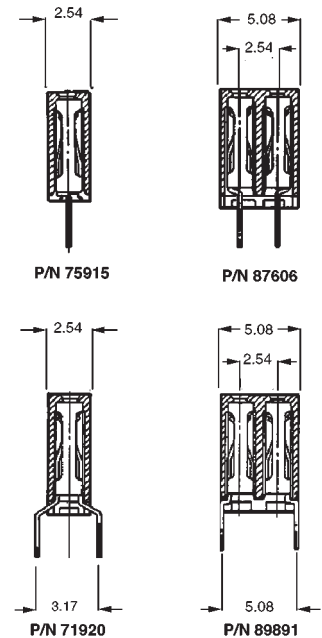
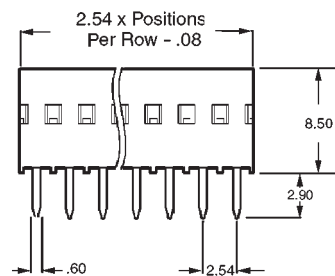
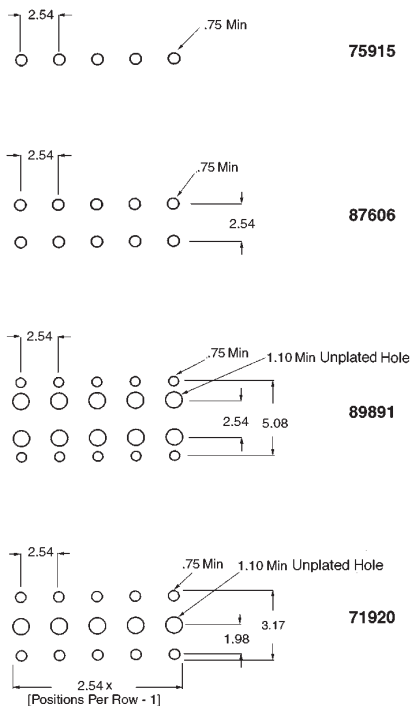
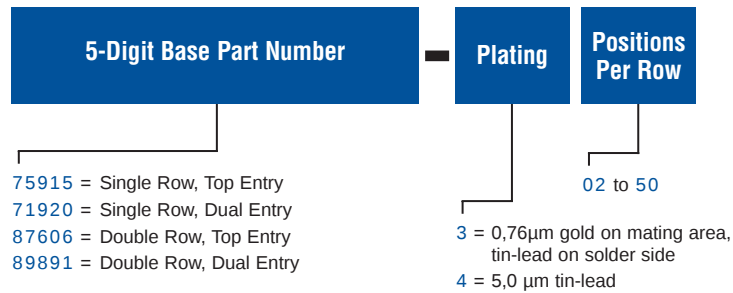
Processing Information

Compatible with wave soldering processes

Typical Applications



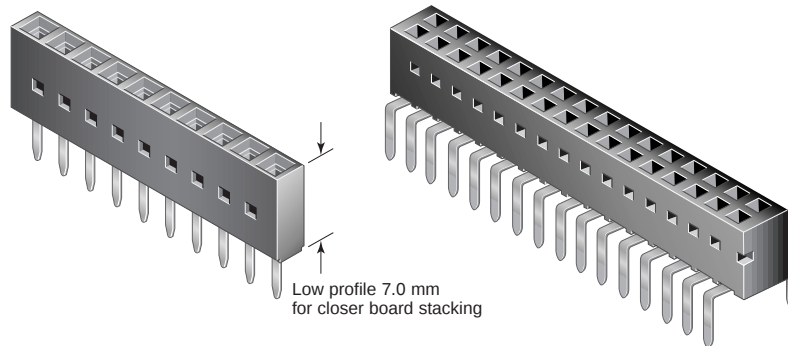
Part Number



Recommended PCB Layout

Dimensions in mm

Dubox™ Low Profile Vertical Receptacles 2.54 mm



- The Dubox™ contact has a pre-stressed, dual beam design to enable low insertion force
- Selective plating

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: Glass filled thermoplastic
Flammability rating: UL 94 V-0
Contact: Phosphor-bronze
Plating: Gold or tin-lead over 1.27 µm nickel

Electrical Performance

Current rating:
3 A dc max. per individual contact
2 A dc max. per contact for fully energized connector
Insulation resistance: 1×10^5 MΩ min.
Contact resistance: 15 mΩ max. initial, 20 mΩ max. after environmental tests
Dielectric withstanding voltage: 1000 V rms

Mechanical Performance

Mating cycles (durability): 200
Insertion force per gold contact: 1.50 N (150 gf) avg.
Withdrawal force per gold contact: 0.30 N (30 gf) min.

Operating Temperature Range

-65°C to +125°C

Packaging

Plastic boxes or tubes

Reference Information

File no. E66906
File no. LR46923
Product drawing: By 5-digit base part number
Product specification: BUS-12-055
Specifications subject to change without notice.

Mating Data

	Page
■ BergStik® Unshrouded straight headers	8
■ BergStik® Unshrouded right angle headers	10
■ BergStik® Unshrouded stacking headers	12

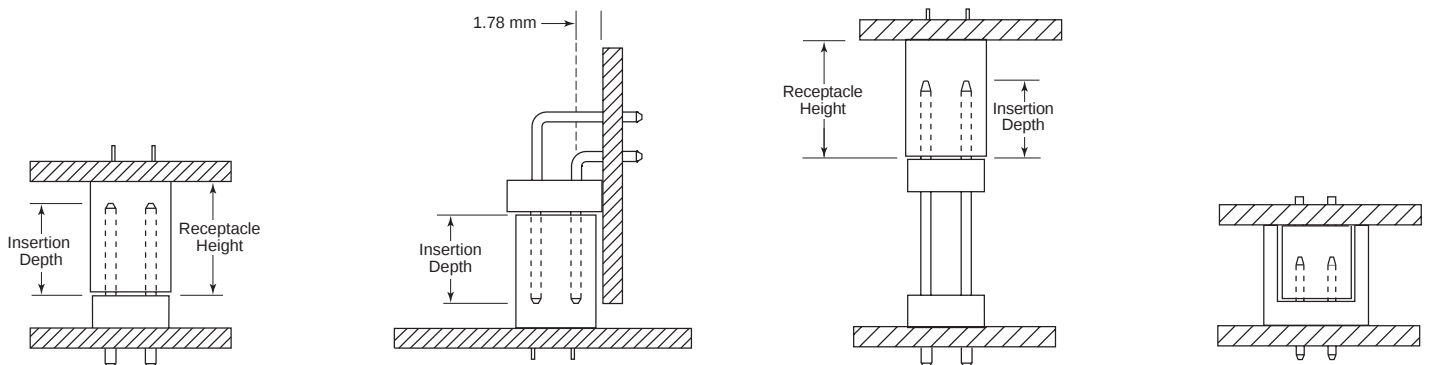
Insertion Depth

- Top Entry: 3.86 mm min. to 6.10 mm max. [provides .381 mm wipe]
- Bottom Entry: 5.08 mm min. [provides .381 mm wipe] plus board thickness

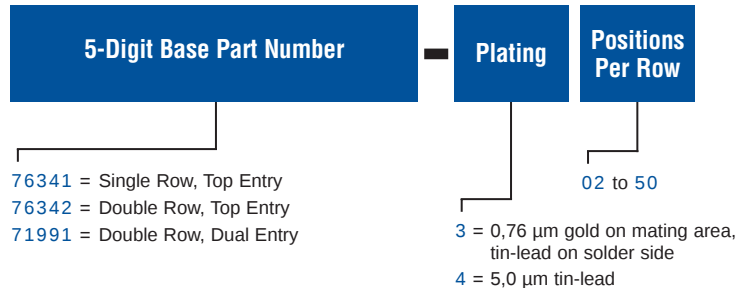
Processing Information

Compatible with wave soldering processes

Typical Applications

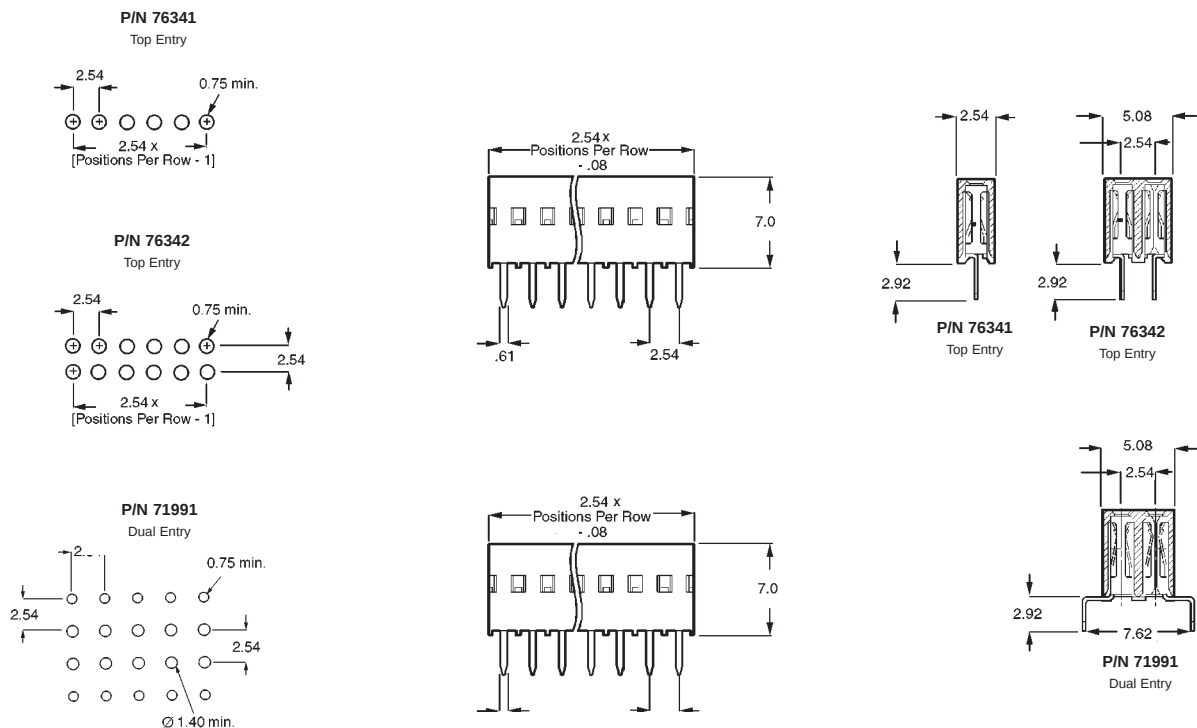


Part Number



Part Number		
71991	3	Pos. per row
76341	3	Pos. per row
76342	3	Pos. per row

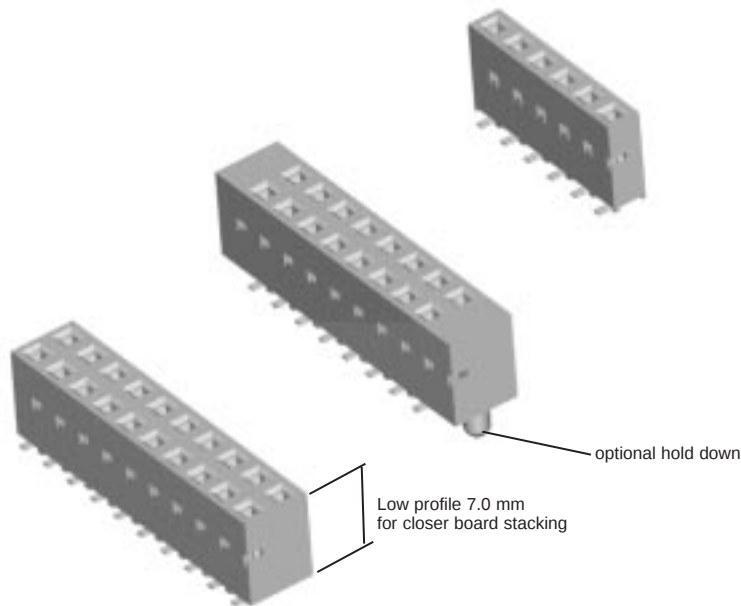
CORE RANGE



Recommended PCB Layout

Dimensions in mm

Dubox™ Low Profile Vertical Receptacles 2.54 mm



- The Dubox™ contact has a pre-stressed, dual beam design to enable low insertion force
- Selective plating
- Floating solder tails self-center on circuit pads and assure coplanarity

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: High-temperature, grey thermoplastic
Flammability rating: UL 94 V-0
Contact: Phosphor-bronze
Plating: Gold or tin-lead over 1.27 µm nickel



Electrical Performance

Current rating:
3 A dc max. per individual contact
2 A dc max. per contact for fully energized connector
Insulation resistance: 1x 10⁵ MΩ min.
Contact resistance: 15 mΩ max. initial, 20 mΩ max. after environmental tests
Dielectric withstanding voltage: 1000 V rms

Mechanical Performance

Mating cycles (durability): 200
Insertion force per gold contact: 1.50 N (150 gf) avg.
Withdrawal force per gold contact: 0.30 N (30 gf) min.

Operating Temperature Range

-65°C to +125°C

Packaging

Tubes, Tape on Reel or plastic boxes

Reference Information

File no. E66906
File no. LR46923
Product drawing: By 5-digit base part number
Product specification: BUS-12-055
Tape and Reel packaging data : TA-856
Specifications subject to change without notice.

Mating Data

	Page
■ BergStik® Unshrouded straight headers	8
■ BergStik® Unshrouded right angle headers	10
■ BergStik® Unshrouded stacking headers	12

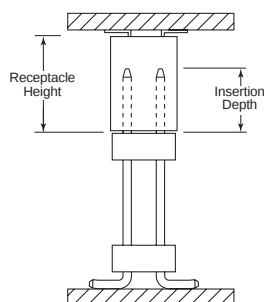
Insertion Depth

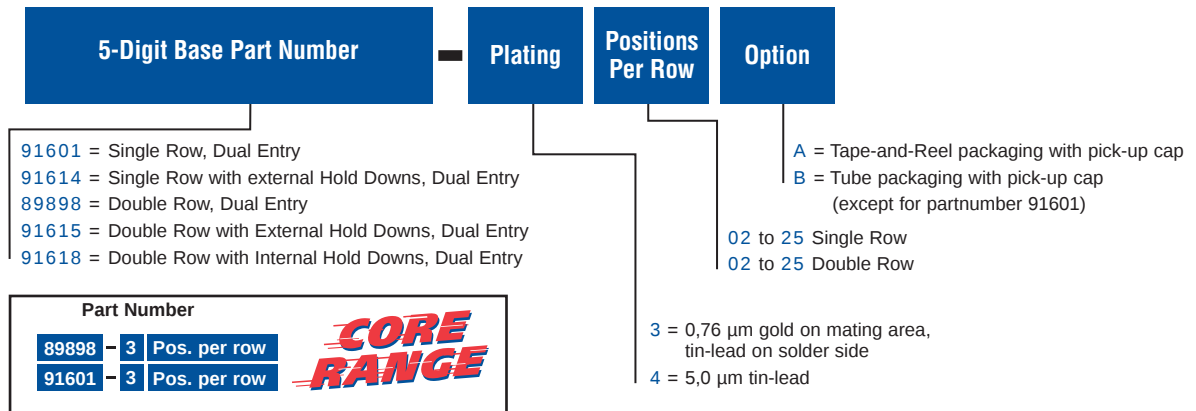
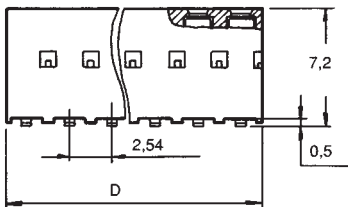
- Top Entry: 3.86 mm min. to 6.10 mm max. [provides .381 mm wipe]
- Bottom Entry: 5.08 mm min. [provides .381 mm wipe] plus board thickness

Processing Information

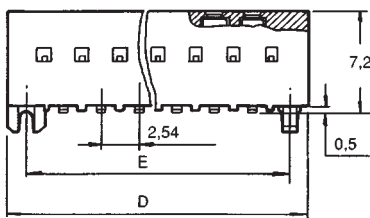
Compatible with wave, vapor-phase, and IR reflow soldering processes
Recommended IR profile: TA-842

Typical Applications



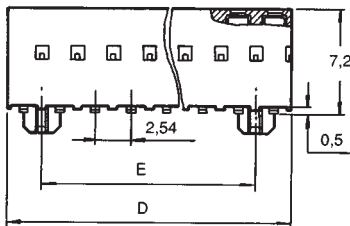
Part Number

Standard


$$D = (\text{no. of pos. per row} \times 2,54) - 0,08$$

External Hold Downs


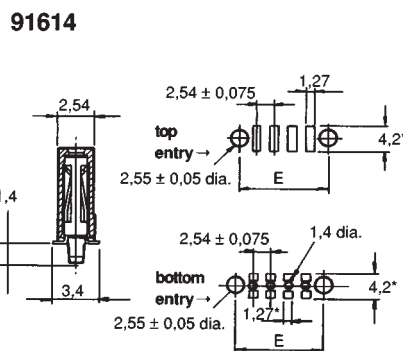
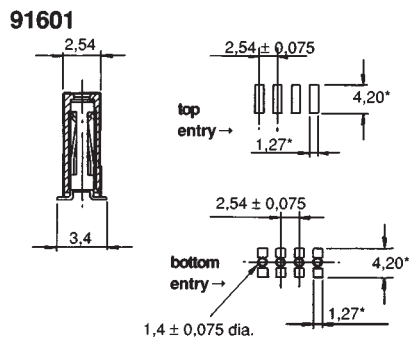
$$D = (\text{no. of pos. per row} \times 2,54) + 5$$

$$E = (\text{no. of pos. per row} \times 2,54) + 2,54$$

Internal Hold Downs


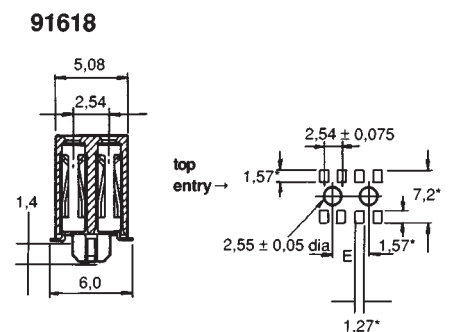
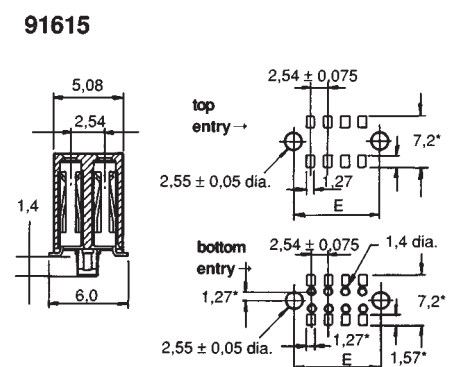
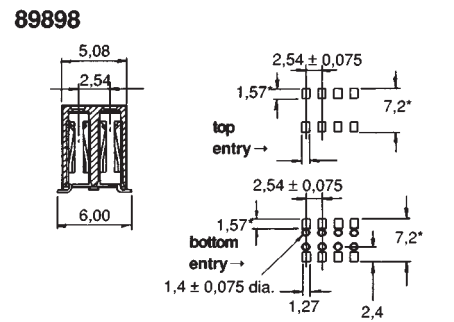
$$D = (\text{no. of pos. per row} \times 2,54) - 0,08$$

$$E = (\text{no. of pos. per row} \times 2,54) - 5,00$$

Single Row + Pad lay-outs


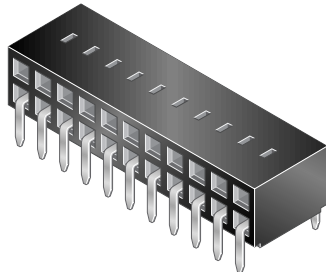
not available
in single row

Note:
All dimensions marked with *
are minimum dimensions.

Double Row + Pad lay-outs

Dimensions in mm

Dubox™ Horizontal Receptacles

2.54 mm



- The Dubox™ contact has a pre-stressed, dual beam design to enable low insertion force
- Selective plating
- Floating solder tails self-center on circuit pads and assure coplanarity

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: Blue thermoplastic – Through hole
High temperature gray thermoplastic – Surface mount
Flammability rating: UL 94 V-0
Contact: Phosphor-bronze
Plating: Gold or tin-lead over 1.27 µm nickel



Electrical Performance

Current rating:
3 A dc max. per individual contact
2 A dc max. per contact for fully energized connector
Insulation resistance: 1x 10⁵ MΩ min.
Contact resistance: 15 mΩ max. initial, 20 mΩ max. after environmental tests
Dielectric withstanding voltage: 1000 V

Mechanical Performance

Mating cycles (durability): 200
Insertion force per gold contact: 1.50 N (150 gf)
Withdrawal force per gold contact: 0.30 N (30 gf)

Operating Temperature Range

-65°C to +125°C

Packaging

Standard: Tubes
Optional: Tape-and-reel

Reference Information

File no. E66906
File no. LR46923
Product drawing: 71607, 71609, 89882, 89883
Product specification: HE 13/14 and IEC 603-8
Application specification: TA-842 for SMT
Tape and Reel packaging data : TA 840

Specifications subject to change without notice.

Mating Data

- BergStik® Unshrouded straight headers
- BergStik® Unshrouded right angle headers

Page

8

10

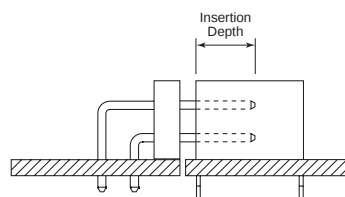
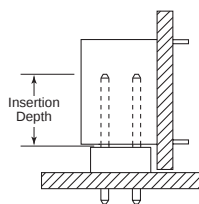
Insertion Depth

- 5.00 mm min. to 7.50 mm max.
[provides .381 mm wipe]

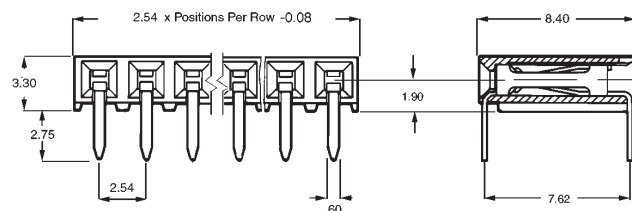
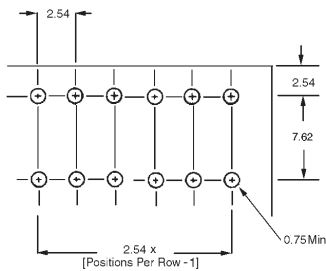
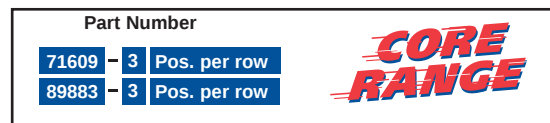
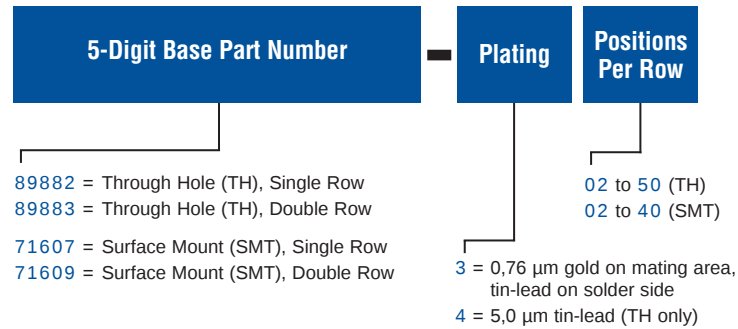
Processing Information

Compatible with wave, vapor-phase, and IR reflow soldering processes – Surface mount

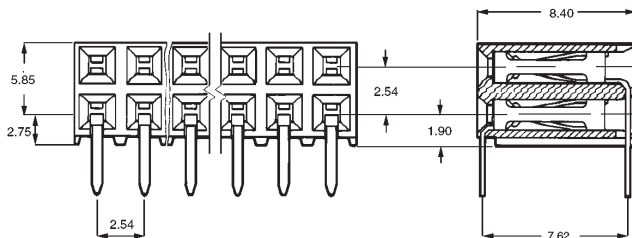
Typical Applications



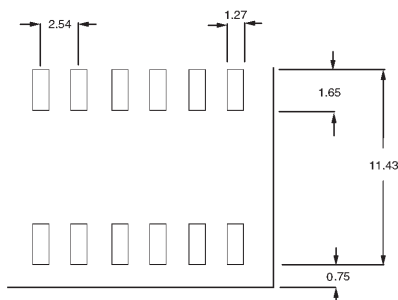
Part Number



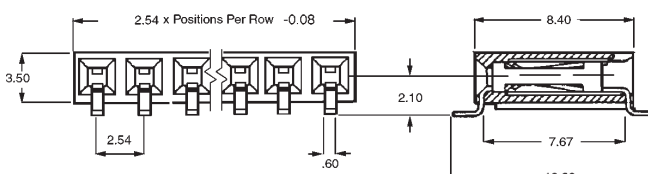
89882



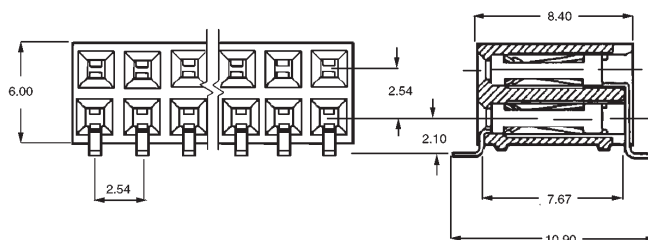
89883



Recommended PCB Layout

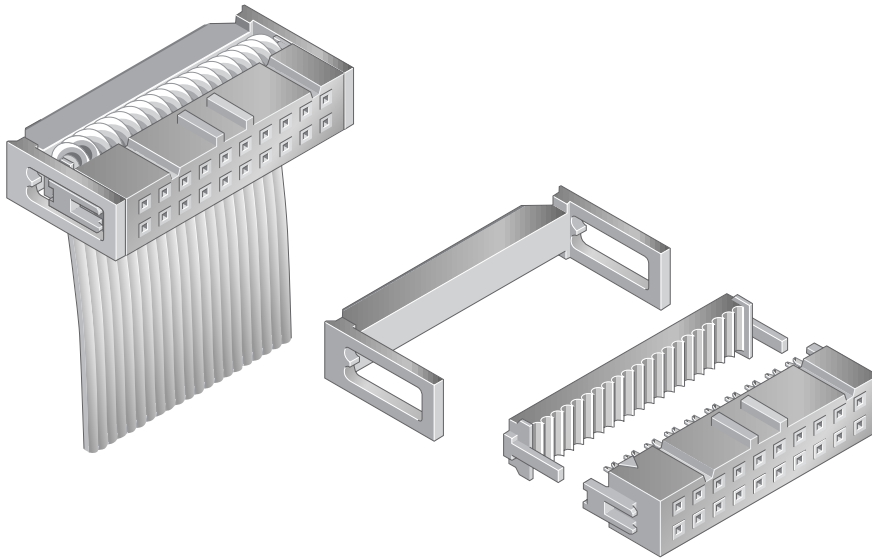


71607



71609

Dimensions in mm



- Single-piece design provides one of the lowest applied costs in the industry

**24 HOUR
SAMPLES**

IDC Receptacles

Technical Data

Physical

Housing: Gray thermoplastic
Flammability rating: UL 94 V-0
Contact: Phosphor-bronze
Plating: 0.76 µm Gold over 1.27 µm nickel

Electrical Performance

Current rating: 1 A continuous
Insulation resistance: 50,000 MΩ min.
Contact resistance: 15 mΩ max.
Dielectric withstanding voltage:
1000 V min. rms (sea level)

Mechanical Performance

Mating cycles (durability): 100

Operating Temperature

-65°C to +105°C

Packaging

Tubes

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: By 5-digit base part number

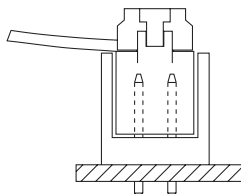
Product specification: BUS-12-095

Specifications subject to change without notice.

Mating Data

	Page
■ BergStik® Unshrouded straight headers	8
■ Quickie™ Shrouded low profile headers	14
■ Quickie™ Shrouded eject latch headers	16

Typical Applications



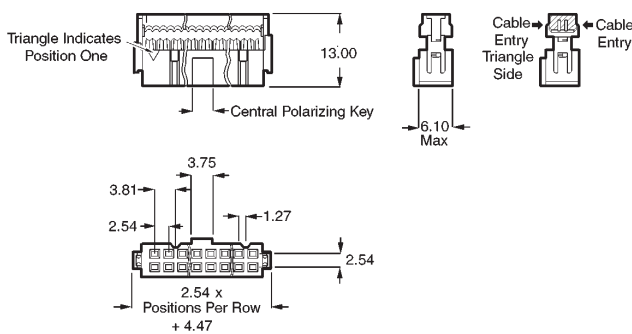
Part Number



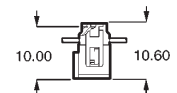
04, 06, 08, 10, 14, 16, 18 20, 24, 26,
30, 34, 40, 44, 50, 60, 64

- 0 = Standard (Mates with Shrouded Eject Latch Header Latch 1)
- 1 = None (Mates with Shrouded Eject Latch Header Latch 2)
- 2 = Low Profile (Mates with Shrouded Eject Latch Header Latch 1)
- 6 = Latching (Mates with Low Profile Headers)

Part Number				CORE RANGE
71600	—	0	Total pos.	
71600	—	1	Total pos.	



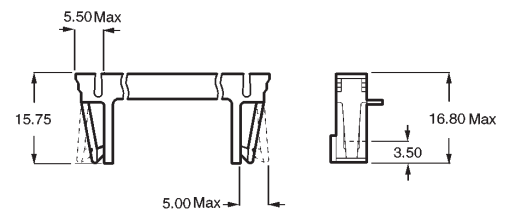
Without Strain Relief



Standard Strain Relief



Latching Strain Relief For Low Profile Header

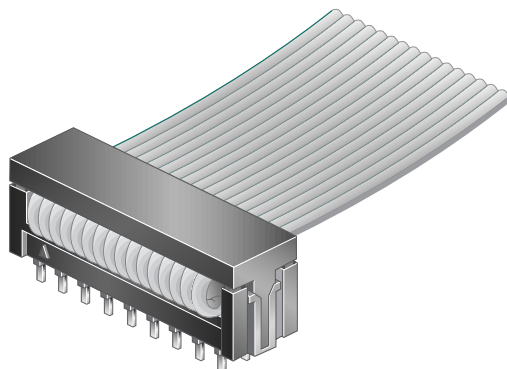


Low Profile Strain Relief



Dimensions in mm

Quickie™ IDC 2-Row PCB Connectors 2.54 mm



- Ideal for daisy chain applications
- Single-piece design provides one of the lowest applied costs in the industry

**24 HOUR
SAMPLES**

Technical Data

Physical

Housing: Blue thermoplastic
Flammability rating: UL 94 V-0
Pin: Phosphor-bronze
Plating: Tin-lead over 1.27 µm nickel

Electrical Performance

Current rating: 1 A continuous
Insulation resistance: 50,000 MΩ min.
Contact resistance: 15 mΩ max.
Dielectric withstanding voltage: 1000 V min.

Operating Temperature

-65°C to +105°C

Packaging

Tubes

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: By 5-digit base part number

Product specification: BUS-12-067

Specifications subject to change without notice.

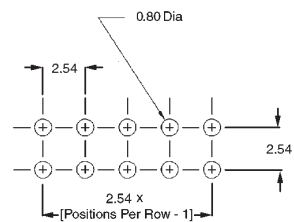
Processing Information

Compatible with wave and vapor-phase soldering processes – Low temperature

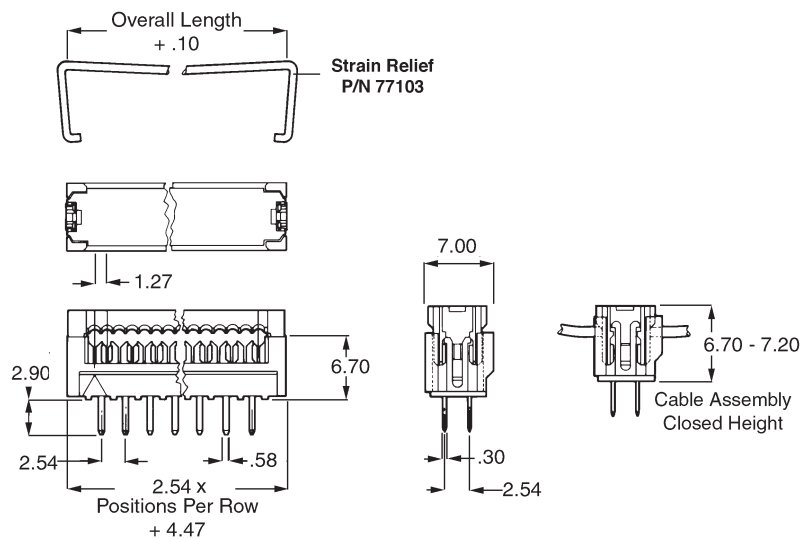
Part Number



06 = 6 pos.	18 = 18 pos.	34 = 34 pos.
08 = 8 pos.	20 = 20 pos.	40 = 40 pos.
10 = 10 pos.	24 = 24 pos.	50 = 50 pos.
14 = 14 pos.	26 = 26 pos.	60 = 60 pos.
16 = 16 pos.	30 = 30 pos.	64 = 64 pos.

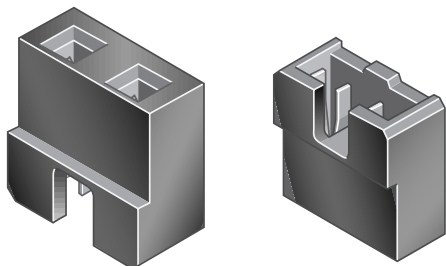


Recommended PCB Layout



Dimensions in mm

- Dual-beam contacts for added reliability
- Slotted cut-out in low profile housing simplifies electrical testing
- Side-by-side and end-to-end stackable



**24 HOUR
SAMPLES**

Technical Data

Physical

Housing:
Glass filled thermoplastic polyester
Blue or black
Flammability rating: UL 94 V-0
Pin: Phosphor-bronze
Plating: Gold or tin-lead over
1.27 µm nickel

Electrical Performance

Current rating: 3 A max. per contact
Insulation resistance: 1×10^5 MΩ min.
Contact resistance: 15 mΩ max. initial,
20 mΩ max. after environmental tests
Dielectric withstanding voltage: 800 V

Mechanical Performance

Mating cycles (durability): 50 – Gold
25 – Tin-lead
Insertion force:
3.0 N (300 gf) max. per gold contact
4.5 N (450 gf) max. per tin-lead contact
Withdrawal force:
1.5 N (150 gf) min. per gold contact
2.0 N (200 gf) min. per tin-lead contact



Operating Temperature

-65°C to +125°C

Packaging

Bulk

Reference Information

 File no. E66906

 File no. LR46923

Product drawing: By 5-digit base number

Mating Data

	Page
■ BergStik® Unshrouded vertical headers	8
■ BergStik® Unshrouded right angle headers	10
■ BergStik® Unshrouded stacking headers	12

Insertion Depth

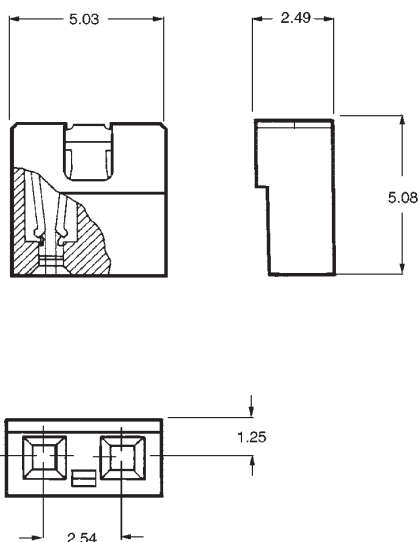
- 4.85 mm min.[provides 3.81 mm wipe]

Part Number

5-Digit Base Part Number

101

76264 = 0.76 µm gold plated, Colour body: Blue
76265 = tin-lead plated, Colour body: Blue
76438 = 0.76 µm GXT plated, Colour body: Black



Dimensions in mm