

VERTICAL SELECTIVE PLATING



TECHNICAL DATA

Physical

- Housing: High temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Phosphor-bronze
- Plating: Gold or tin over 1.27 µm (50 µ") 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

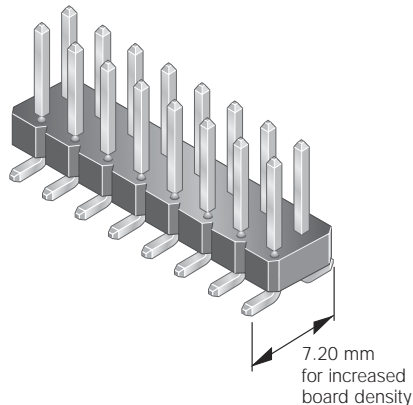
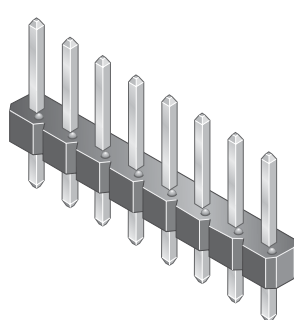
- Standard: Bags
- Optional: Tubes or Tape-and-reel with pick-up cap (SMT pin style 01 only)

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

- Dubox™ Crimp-to-wire contacts 34
- Dubox™ Crimp-to-wire housings 36
- Dubox™ Vertical receptacles 24
- Dubox™ Low profile vertical receptacles 26, 28
- Dubox™ Horizontal receptacles 30
- Quickie™ IDC receptacles 50
- PV™ Crimp-to-Wire Contacts 40
- PV™ Crimp-to-Wire Housings 42



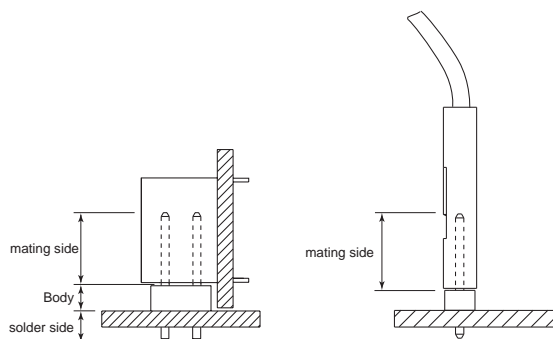
PROCESSING INFORMATION

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

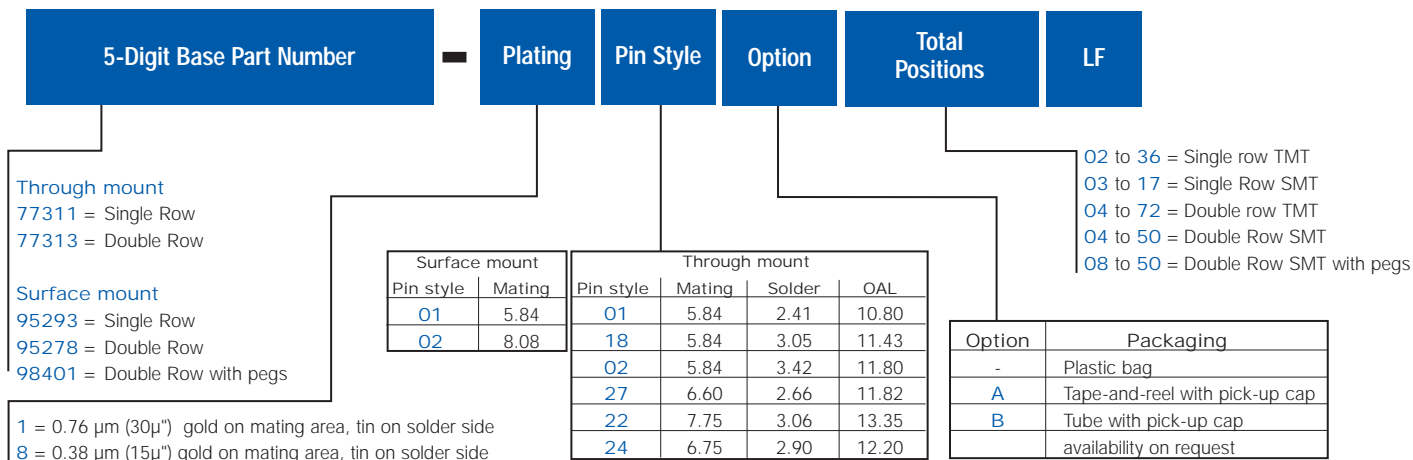
RoHS INFORMATION

This product is RoHS compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



PART NUMBER



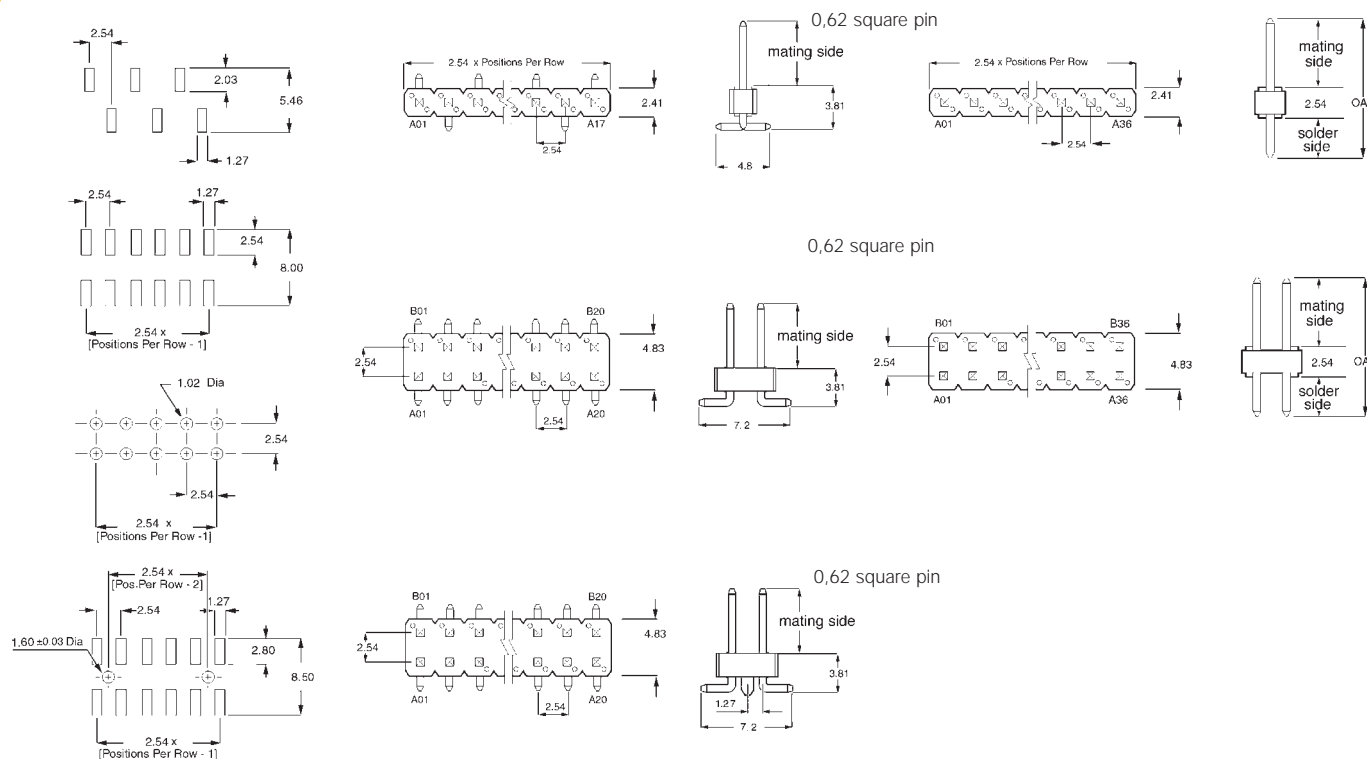
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77311	-	118	-	XXLF
77311	-	124	-	XXLF
77313	-	101	-	XXLF
77313	-	118	-	XXLF
77313	-	124	-	XXLF
95278	-	101	A	XXLF

XX = 04, 06, 08, 10, 12, 16, 20

CORE RANGE

77311	-	101	-	TOTAL POS. LF
77311	-	118	-	TOTAL POS. LF
77311	-	124	-	TOTAL POS. LF
77313	-	101	-	TOTAL POS. LF
77313	-	118	-	TOTAL POS. LF
77313	-	124	-	TOTAL POS. LF
95278	-	101	A	TOTAL POS. LF

**PRIORITY
PART**



Recommended PCB Layout

Dimensions in mm

2.54 mm (.100")

VERTICAL FULL PLATING



TECHNICAL DATA

Physical

- Housing: High temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Phosphor-bronze
- Plating: Gold or tin over 1.27 µm (50µ") 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 (2 lbf) min.
- Retentive leg insertion force: >44.48 N max.
- Retentive leg board retention: 2.22 N

Operating Temperature Range

- 65°C to +125°C

Packaging

- Standard: Bags
- Optional: Tubes or Tape-and-reel with pick-up cap

Reference Information



File no. E66906



File no. LR46923

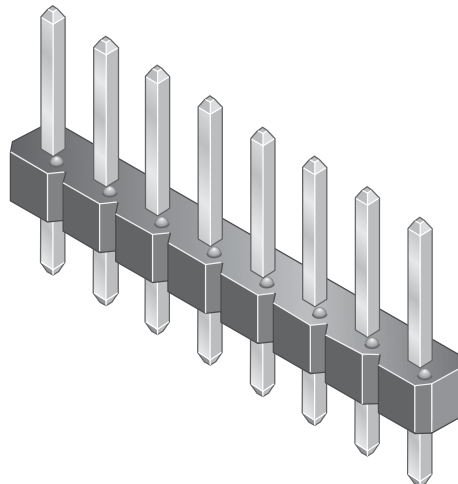
Product drawing: By 5-digit base part number

Product specification: BUS-12-114

Specifications subject to change without notice.

MATING DATA

- | | |
|---|--------|
| Dubox™ Crimp-to-wire contacts | 34 |
| Dubox™ Crimp-to-wire housings | 36 |
| Dubox™ Vertical receptacles | 24 |
| Dubox™ Low profile vertical receptacles | 26, 28 |
| Dubox™ Horizontal receptacles | 30 |
| Quickie™ IDC receptacles | 50 |
| PV™ Crimp-to-Wire Contacts | 40 |
| PV™ Crimp-to-Wire Housings | 42 |



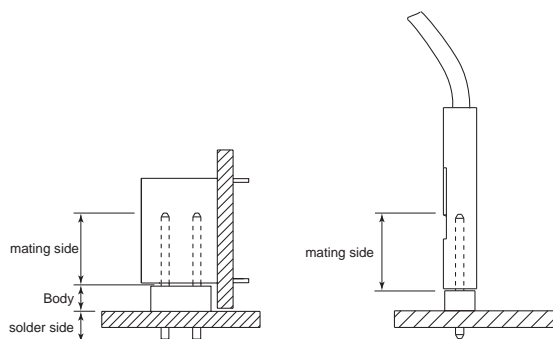
PROCESSING INFORMATION

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

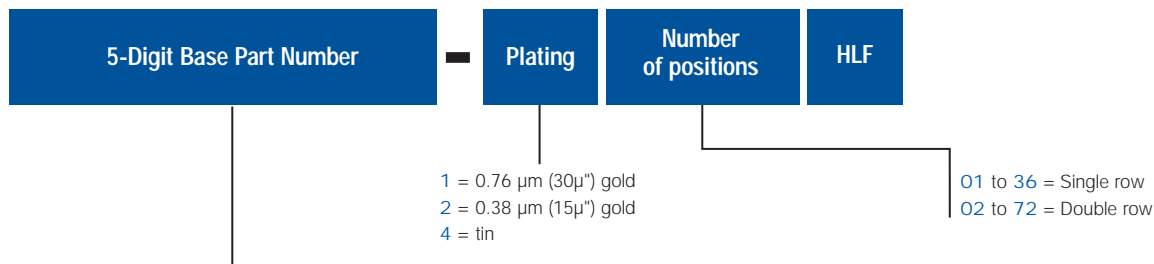
RoHs INFORMATION

This product is RoHs compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



PART NUMBER



Single Row

Base PN	Post		Tail		OAL	
	mm	(in.)	mm	(in.)	mm	(in.)
68000	5.84	0.230	2.41	0.095	10.80	0.425
68001	5.84	0.230	3.05	0.120	11.43	0.450
68002	5.84	0.230	3.81	0.150	12.19	0.480

Double Row

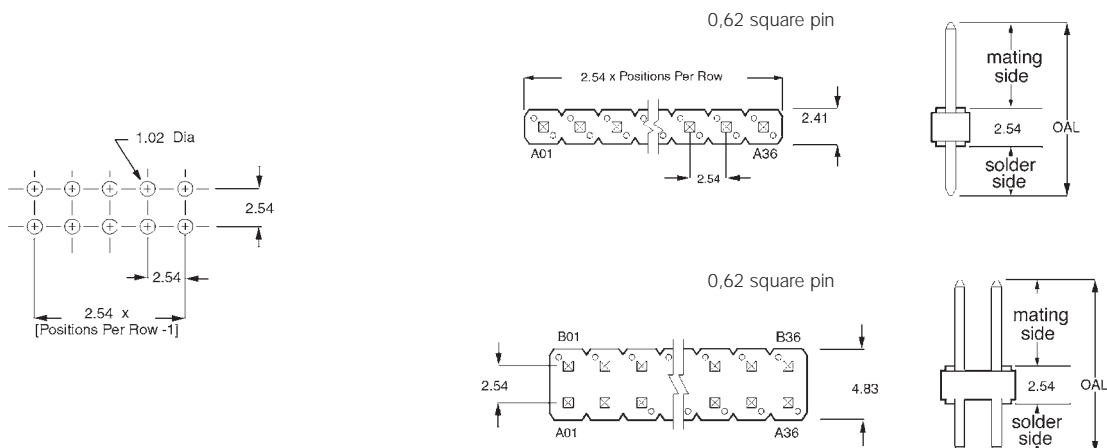
Base PN	Post		Tail		OAL	
	mm	(in.)	mm	(in.)	mm	(in.)
67996	5.84	0.230	2.41	0.095	10.80	0.425
67997	5.84	0.230	3.05	0.120	11.43	0.450
68602	5.84	0.230	3.81	0.150	12.19	0.480

68000 - 1XXHLF
 68001 - 1XXHLF
 68002 - 1XXHLF
 XX = 04, 06, 08, 10, 12, 16, 20
 67996 - 1XXHLF
 67997 - 1XXHLF
 68602 - 1XXHLF
 XX = 04, 06, 08, 10, 12, 16, 20

CORE RANGE

68000 - 1XXHLF
 68001 - 1XXHLF
 68002 - 1XXHLF
 67996 - 1XXHLF
 67997 - 1XXHLF
 68602 - 1XXHLF
 XX = Total positions

PRIORITY PART



Dimensions in mm

2.54 mm (.100")

CONTINUOUS UNSHROUDED HEADERS

2.54 mm (.100")



- Continuously molded and reeled
- High temperature plastic
- Various lengths cut from 1 part number
- Benttop machine cuts, polarizes, and applies retentive leg

TECHNICAL DATA

Physical

- Housing: High temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Phosphor-bronze
- Plating: Gold or tin over 1.27 μm (50 μin) nickel



Electrical Performance

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

Mechanical Performance

- Pin retention to housing: 8.88 N (2 lbf) min.

Operating Temperature Range

- 65°C to +125°C

Packaging

- Reel

Reference Information

File no. E66906

File no. LR46923

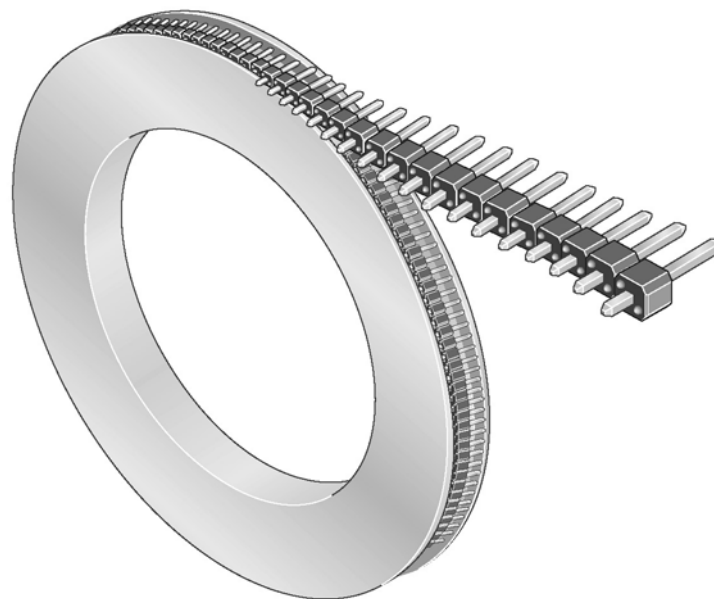
Product drawing: 54101 or 54102

Product specification: BUS-12-059

Specifications subject to change without notice.

MATING DATA

- | | |
|---|--------|
| Dubox™ Crimp-to-wire contacts | 34 |
| Dubox™ Crimp-to-wire housings | 36 |
| Dubox™ Vertical receptacles | 24 |
| Dubox™ Low profile vertical receptacles | 26, 28 |
| Dubox™ Horizontal receptacles | 30 |
| Quickie™ IDC receptacles | 50 |
| PV™ Crimp-to-Wire Contacts | 40 |
| PV™ Crimp-to-Wire Housings | 42 |



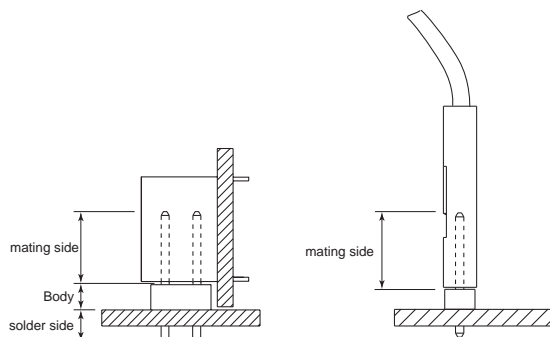
PROCESSING INFORMATION

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

RoHs INFORMATION

This product is RoHs compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



Automated cutting tooling is available for this product. Please contact your FCI partner.

PART NUMBER

5-Digit Base Part Number	Plating	00	HLF
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1 = 0.76 μ m (30 μ in) gold
 2 = 0.38 μ m (15 μ in) gold
 4 = tin

Single Row

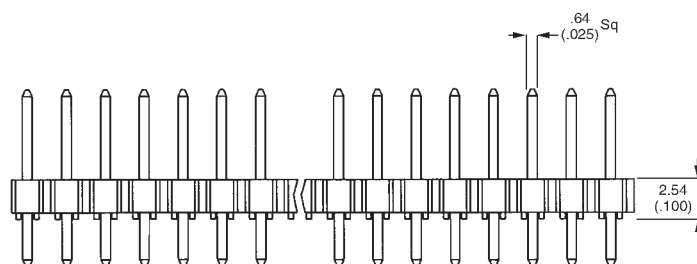
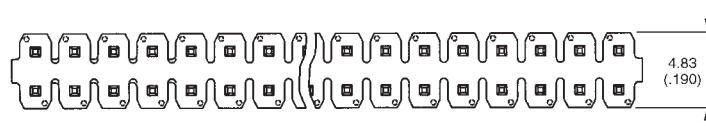
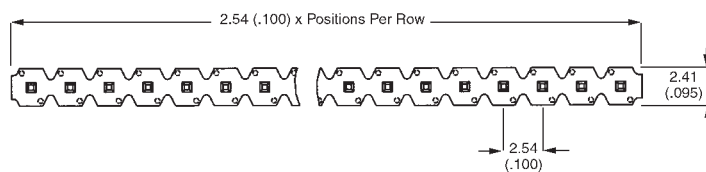
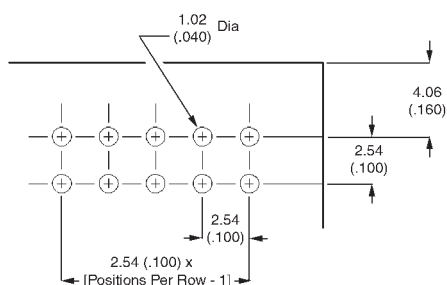
Base PN	Post		Tail		OAL	
	mm	(in.)	mm	(in.)	mm	(in.)
68000	5.84	0.230	2.41	0.095	10.80	0.425
68001	5.84	0.230	3.05	0.120	11.43	0.450
68002	5.84	0.230	3.81	0.150	12.19	0.480

Double Row

Base PN	Post		Tail		OAL	
	mm	(in.)	mm	(in.)	mm	(in.)
67996	5.84	0.230	2.41	0.095	10.80	0.425
67997	5.84	0.230	3.05	0.120	11.43	0.450
68602	5.84	0.230	3.81	0.150	12.19	0.480

68000	-	100HLF
68001	-	100HLF
68002	-	100HLF
67996	-	100HLF
67997	-	100HLF
68602	-	100HLF

**PRIORITY
PART**



2.54 mm (.100")

RIGHT ANGLE SELECTIVE PLATING



- High temperature plastic
- Selective plating

TECHNICAL DATA

Physical

- Housing: High temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Phosphor-bronze
- Plating: Gold or tin over 1.27 μm (50 μin) nickel



Electrical Performance

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

Mechanical Performance

- Pin retention to housing: 8.88 N min.

Operating Temperature Range

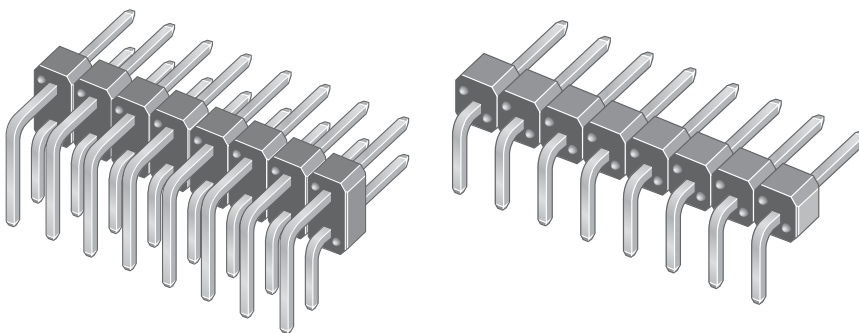
- 65°C to +125°C

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

- Dubox™ Crimp-to-wire contacts 34
- Dubox™ Crimp-to-wire housings 36
- Dubox™ Vertical receptacles 24
- Dubox™ Low profile vertical receptacles 26, 28
- Dubox™ Horizontal receptacles 30
- Quickie™ IDC receptacles 50
- PV™ Crimp-to-Wire Contacts 40
- PV™ Crimp-to-Wire Housings 42

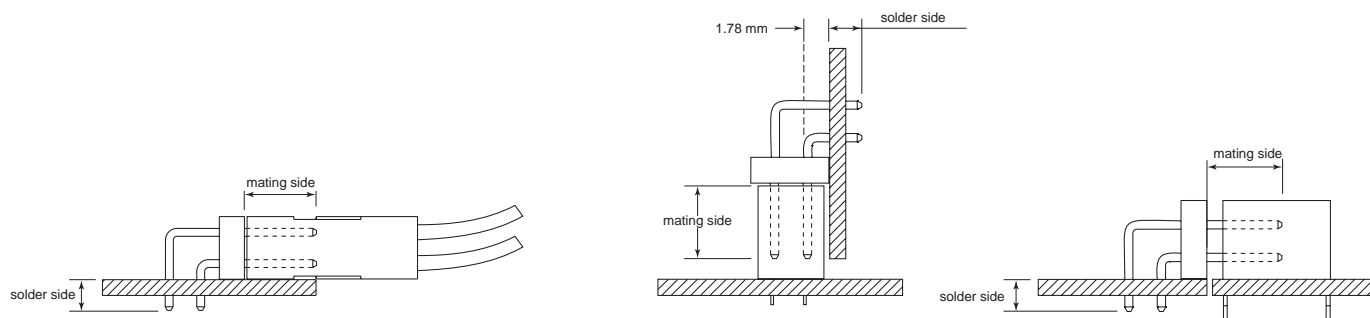
PROCESSING INFORMATION

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

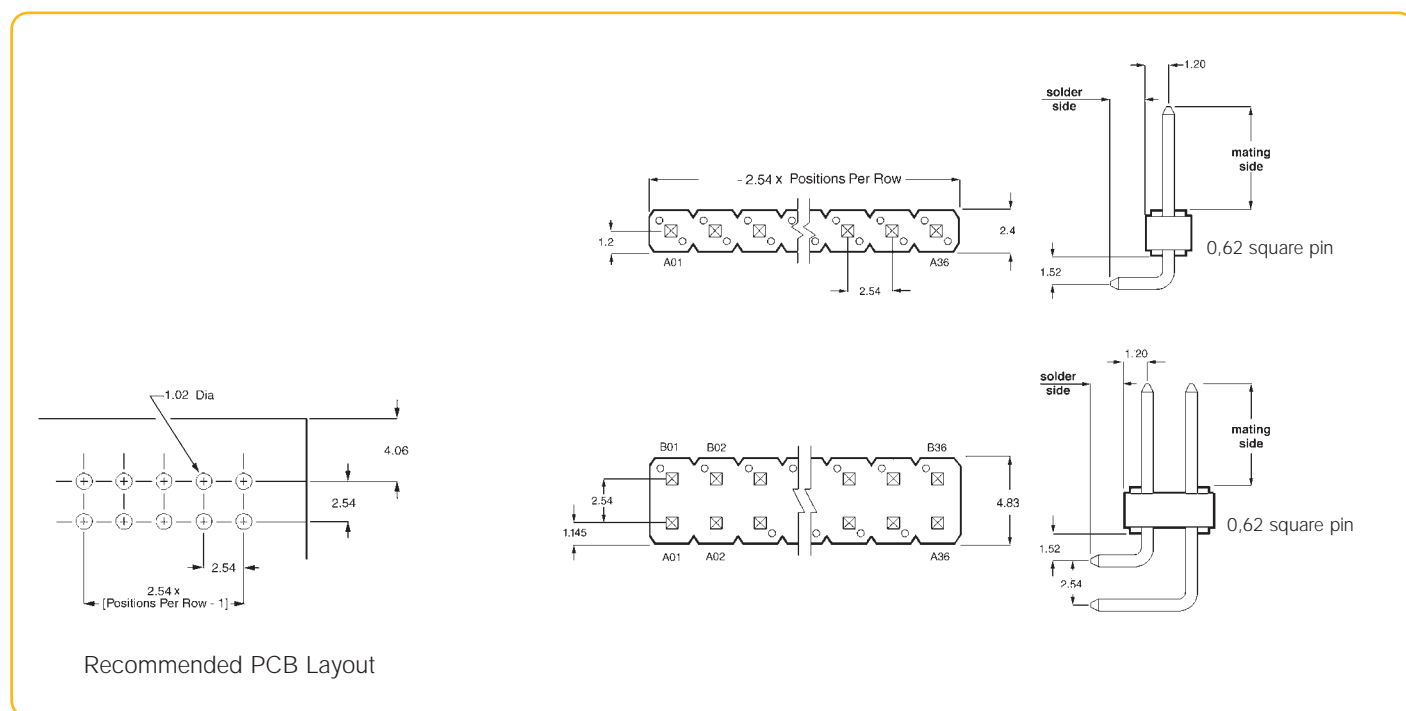
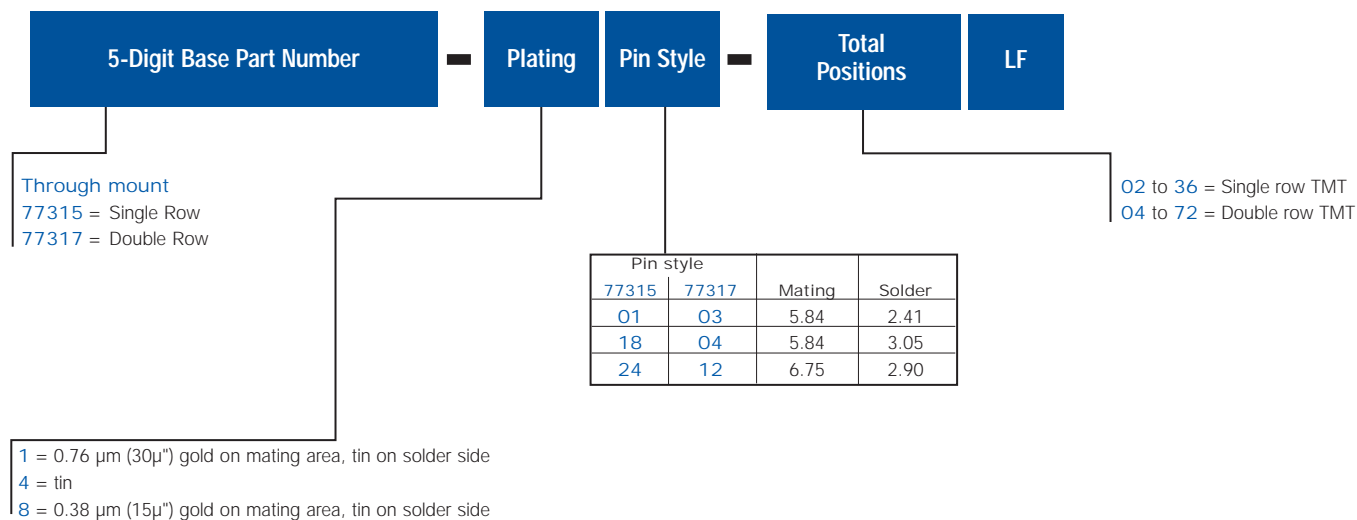
RoHS INFORMATION

This product is RoHS compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



PART NUMBER



Dimensions in mm

2.54 mm (.100")

RIGHT ANGLE FULL PLATING



TECHNICAL DATA

Physical

- Housing: High temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Phosphor-bronze
- Plating: Gold or tin over 1.27 µm (50µ") 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.
- Retentive leg insertion force: > 44.48 N max.
- Retentive leg board retention: > 2.22 N

Operating Temperature Range

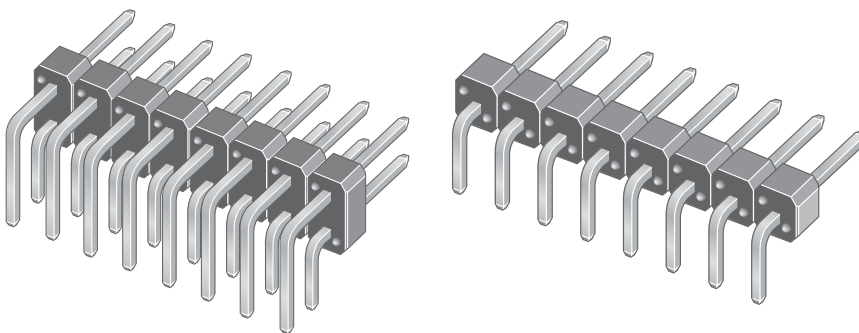
- 65°C to +125°C

Packaging

- Bags

Reference Information

- File no. E66906
 - File no. LR46923
 - Product drawing: 55101 or 55102
 - Product specification: BUS-12-114
- Specifications subject to change without notice.



MATING DATA

- Dubox™ Crimp-to-wire contacts 34
- Dubox™ Crimp-to-wire housings 36
- Dubox™ Vertical receptacles 24
- Dubox™ Low profile vertical receptacles 26, 28
- Dubox™ Horizontal receptacles 30
- Quickie™ IDC receptacles 50
- PV™ Crimp-to-Wire Contacts 40
- PV™ Crimp-to-Wire Housings 42

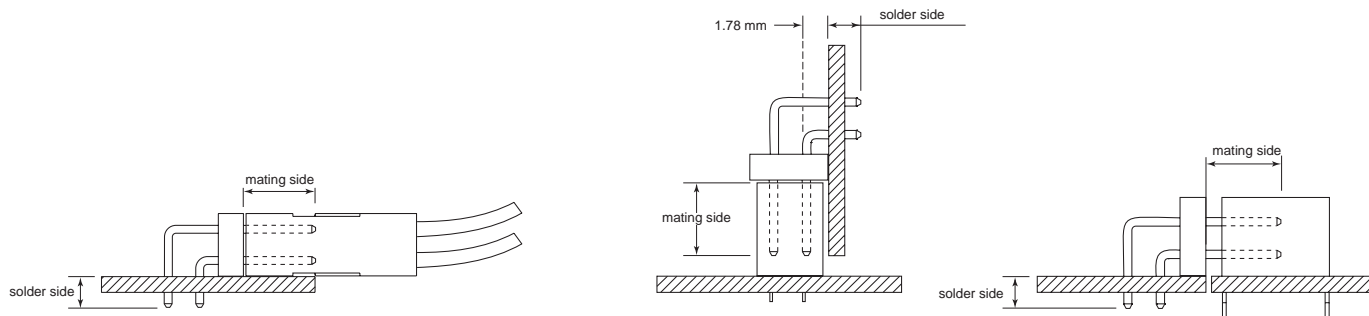
PROCESSING INFORMATION

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

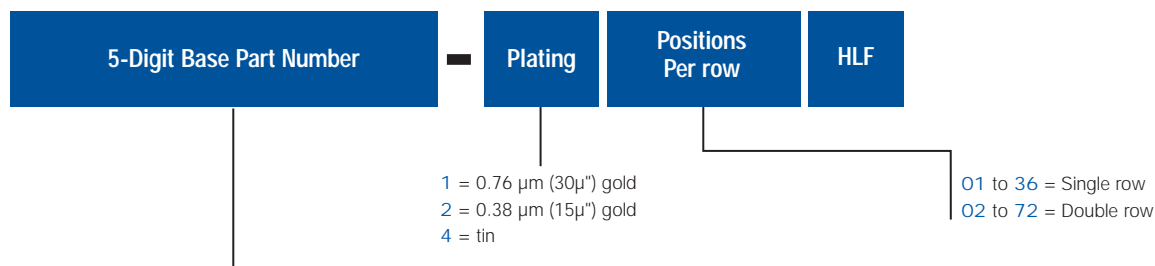
RoHS INFORMATION

This product is RoHS compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



PART NUMBER

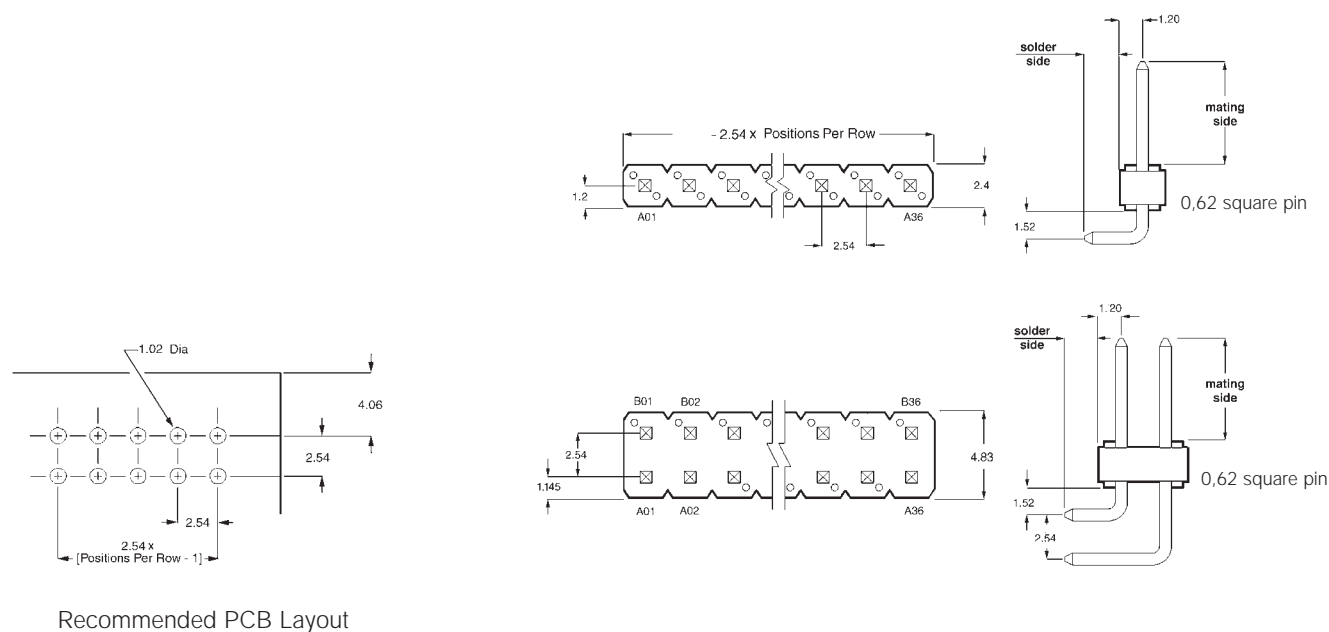


Single Row

Base PN	Post		Tail	
	mm	(in.)	mm	(in.)
68015	5.84	0.230	2.29	0.095
68016	5.84	0.230	3.05	0.120

Double Row

Base PN	Post		Tail	
	mm	(in.)	mm	(in.)
68020	5.84	0.230	2.41	0.095
68021	5.84	0.230	3.05	0.120



Recommended PCB Layout

Dimensions in mm

2.54 mm (.100")

BergStik® UNSHROUDED STACKING HEADERS 2.54 mm (.100")



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

TECHNICAL DATA

Physical

- Housing: High temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Phosphor-bronze
- Plating: Gold or tin over 1.27 µm (50µ") 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

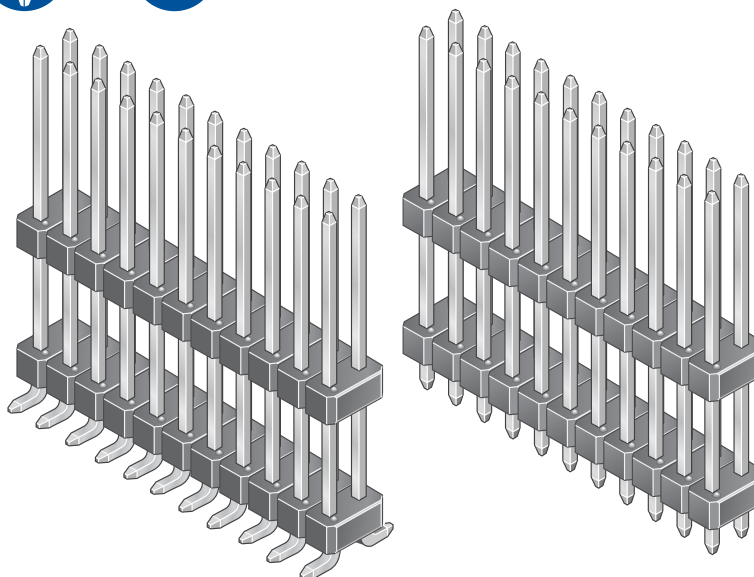
- Product drawing: By 5-digit base part number

- Product specification: BUS-12-114

Specifications subject to change without notice.

MATING DATA

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



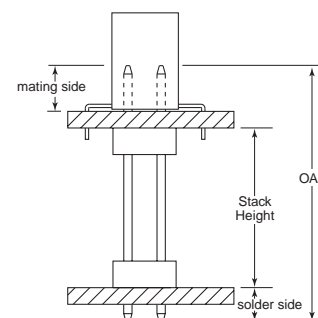
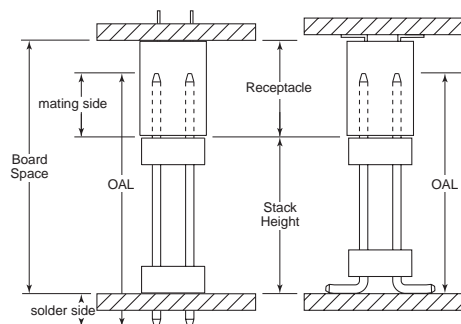
PROCESSING INFORMATION

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

RoHS INFORMATION

This product is RoHS compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



2.54 mm (.100")

PART NUMBER

5	4	Lead	Solder Side Option	Row Option	Plating	Pin Style	Total Positions	Stack Height	LF
		1 = Through Hole (TMT) 2 = Surface Mount (SMT)		1 = Single Row (TMT only) 2 = Double Row			02 to 36 single row (TMT) 04 to 72 double row (TMT) 04 to 50 double row (SMT)		
		1 = 2.41 mm 2 = 3.05 mm 4 = SMT (double row only)							
		1 = 0.76 µm (30µ") gold on mating area, tin on solder side 8 = 0.38 µm (15µ") gold on mating area, tin 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

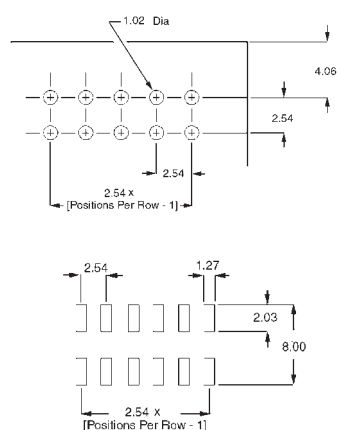
XX.XX = mm

Specify mm

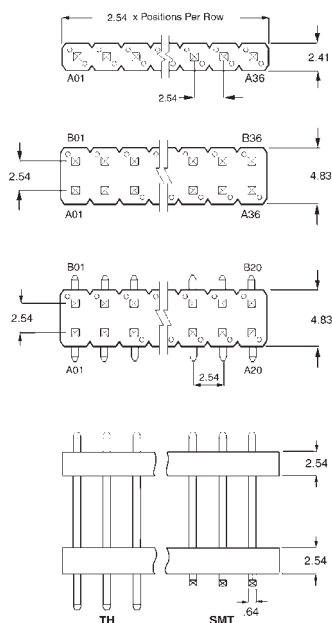
i.e. 08.50 = 8.50 mm
in 0.50 mm increments

TMT = 08.00 min. - 25.00 max.

SMT = 09.50 min. - 26.00 max.



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 54122-108721550LF

Dimensions in mm



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

TECHNICAL DATA

Physical

- Housing: Black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Phosphor-bronze
- Plating: Gold or tin over 1.27 μm (50 μin) nickel



Low profile only

Electrical Performance

- Current rating: 2.5 A max. per contact
- Insulation resistance: 50,000 $\text{M}\Omega$ min.
- Contact resistance: 15 $\text{M}\Omega$ max. initial, 20 Ωm max. after environmental tests
- Dielectric withstanding voltage: 800 V

Mechanical Performance

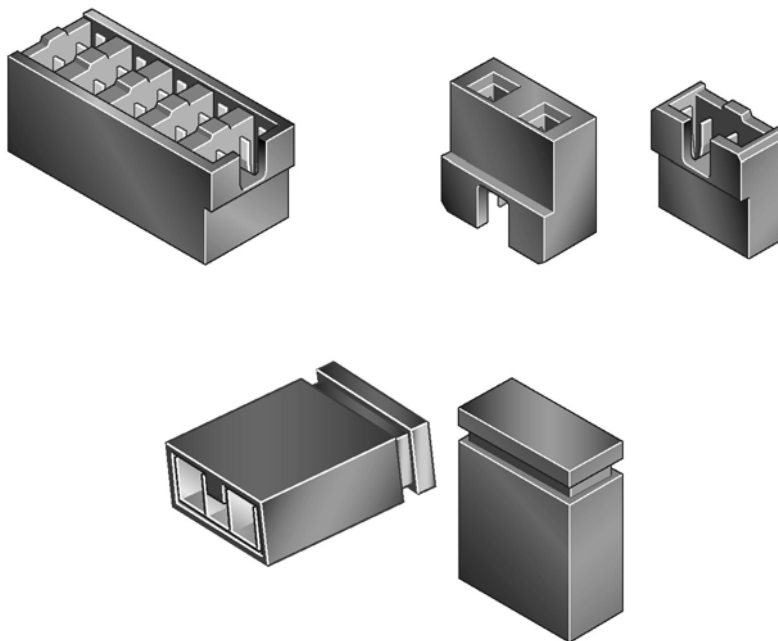
- Mating cycles (durability): 50-Gold
25-Tin.
- Insertion force:
450 gf max. per gold contact
500 gf max. per tin-lead contact
- Withdrawal force:
30 gf min. per gold contact
30 gf min. per tin-lead contact

Operating Temperature Range

- -55°C to +120°C

Packaging

- Plastic bags



Reference Information

- File no. E66906
- File no. LR46923
- Product drawing: By 5-digit base number
- Product specification:
BUS-12-071 - Gold
BUS-12-070 - Tin

Specifications subject to change without notice.

MATING DATA

- Continuous unshrouded headers 14
- Unshrouded vertical headers 10, 12
- Unshrouded right angle headers 16, 18

INSERTION DEPTH

- 4.85 mm (.191") min. [provides 3.81 mm (.015") wipe] - Low profile

RoHS INFORMATION

This product is RoHs compatible according to the European Union Directive 2002/95/IEC

PART NUMBER

Low profile



2 = 0.76 μ m (30 μ "") gold
3 = tin

Multi-position



2 = 0.76 μ m (30 μ "") gold
3 = tin
1 to 20 positions

Standard



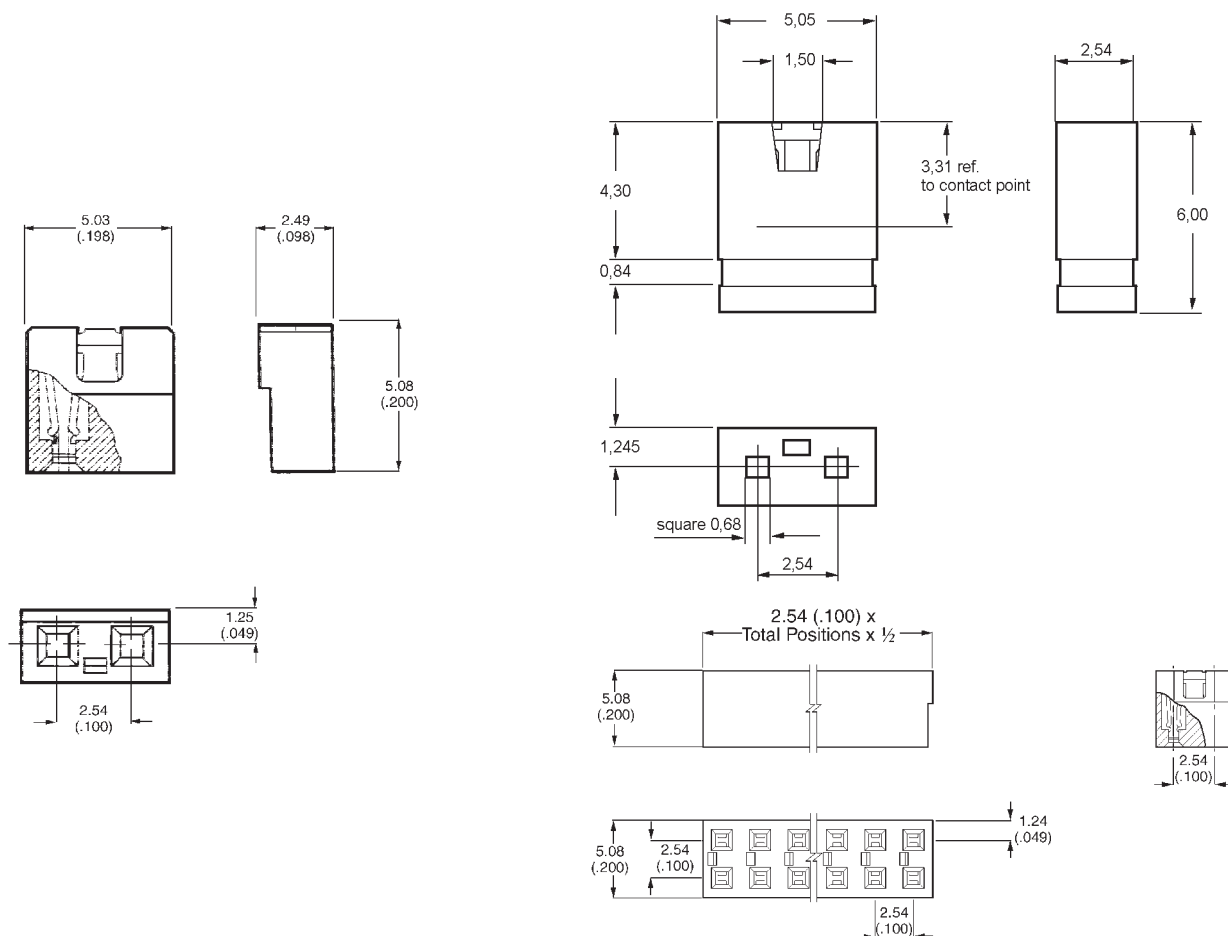
2 = 0.76 μ m (30 μ "") gold
3 = tin

68786 — 202 — LF

CORE RANGE

68786 — 302LF
63429 — 202LF

PRIORITY PART



2.54 mm (.100")



- The Dubox™ contact has a pre-stressed, dual beam design to enable low insertion force
- 4-wall contact design for signal protection

TECHNICAL DATA

Physical

- Housing: Glass filled thermoplastic polyester, blue
- Flammability rating: UL 94 V-0
- Contact: Phosphor-bronze
- Plating: Gold or tin 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: $1 \times 10^5 \text{ M}\Omega$ min.
- Contact resistance: $15 \text{ m}\Omega$ max. initial, $20 \text{ m}\Omega$ 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 $+125^\circ\text{C}$

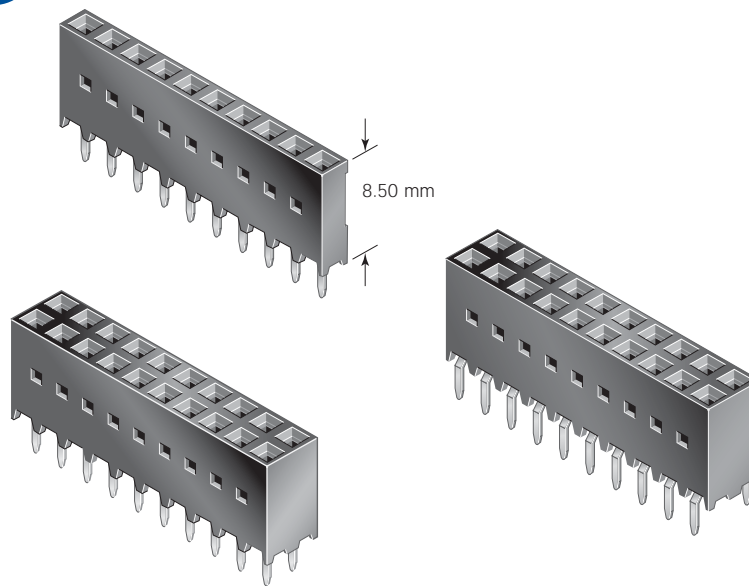
Packaging

- 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

- BergStik® Unshrouded vertical headers 10, 12
- BergStik® Unshrouded right angle headers 16, 18
- BergStik® Unshrouded stacking headers 20
- BergStik® continuous Unshrouded headers 14

INSERTION DEPTH

- Top Entry: 3.86 mm min. to 6.81 mm max. [provides .381 mm wipe]
- Bottom Entry: 6.25 mm min. [provides .381 mm wipe] plus board thickness

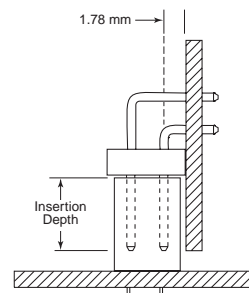
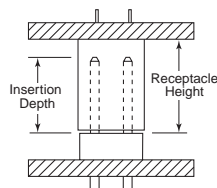
PROCESSING INFORMATION

- Compatible with wave soldering processes

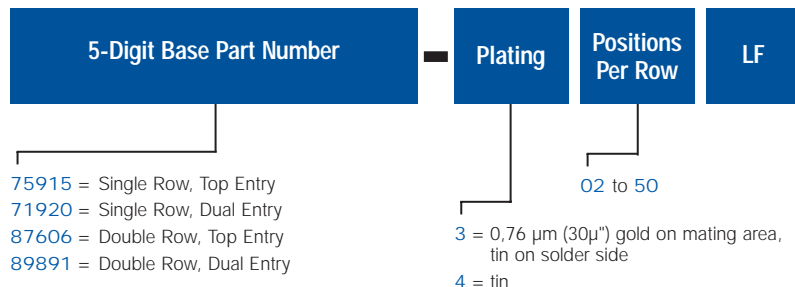
RoHS INFORMATION

This product is RoHS compatible according to the European Union Directive 2002/95/IEC

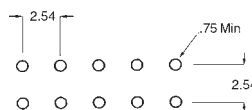
TYPICAL APPLICATIONS



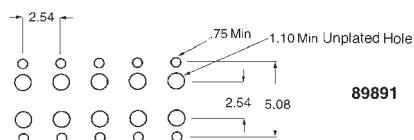
PART NUMBER



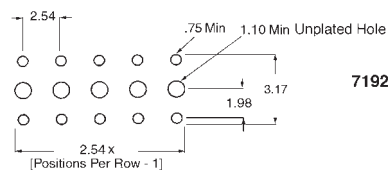
75915



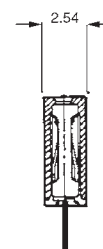
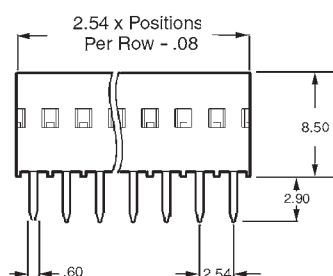
87606



89891



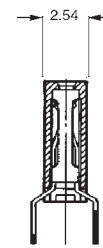
71920



P/N 75915



P/N 87606



P/N 71920



P/N 89891

Recommended PCB Layout

Dimensions in mm

2.54 mm (.100")

Dubox™ LOW PROFILE VERTICAL RECEPTACLES 2.54 mm (.100")



- The Dubox™ contact has a pre-stressed, dual beam design to enable low insertion force
- 4-wall contact design for signal protection

TECHNICAL DATA

Physical

- Housing: Glass filled thermoplastic
- Flammability rating: UL 94 V-0
- Contact: Phosphor-bronze
- Plating: Gold or tin over 1.27 µm (50 µ") 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

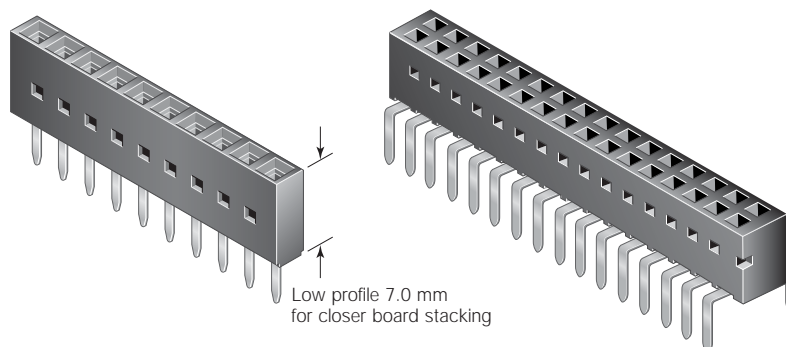
- Mating cycles (durability): 200
- Insertion force per gold contact: 1.50 N (150 gf) avg.
- Withdrawal force per gold contact: 0.30 N (30 gf) min.

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

- BergStik® Unshrouded vertical headers 10, 12
- BergStik® Unshrouded right angle headers 16, 18
- BergStik® Unshrouded stacking headers 20
- BergStik® continuous Unshrouded headers 14

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

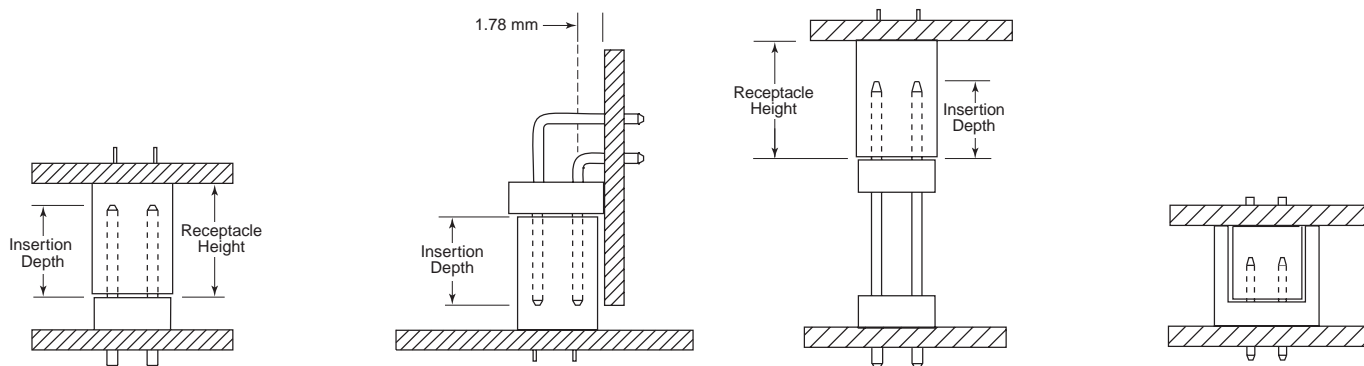
PROCESSING INFORMATION

- Compatible with wave soldering processes

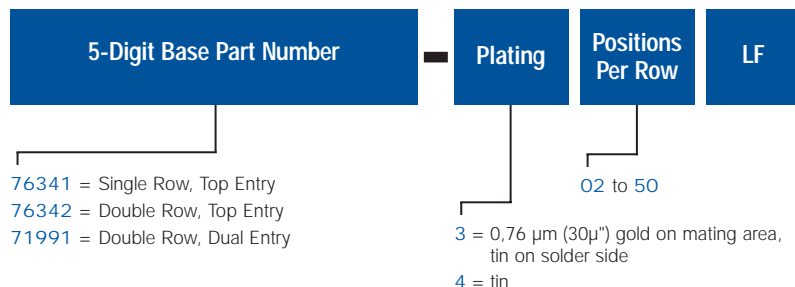
RoHS INFORMATION

This product is RoHS compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS

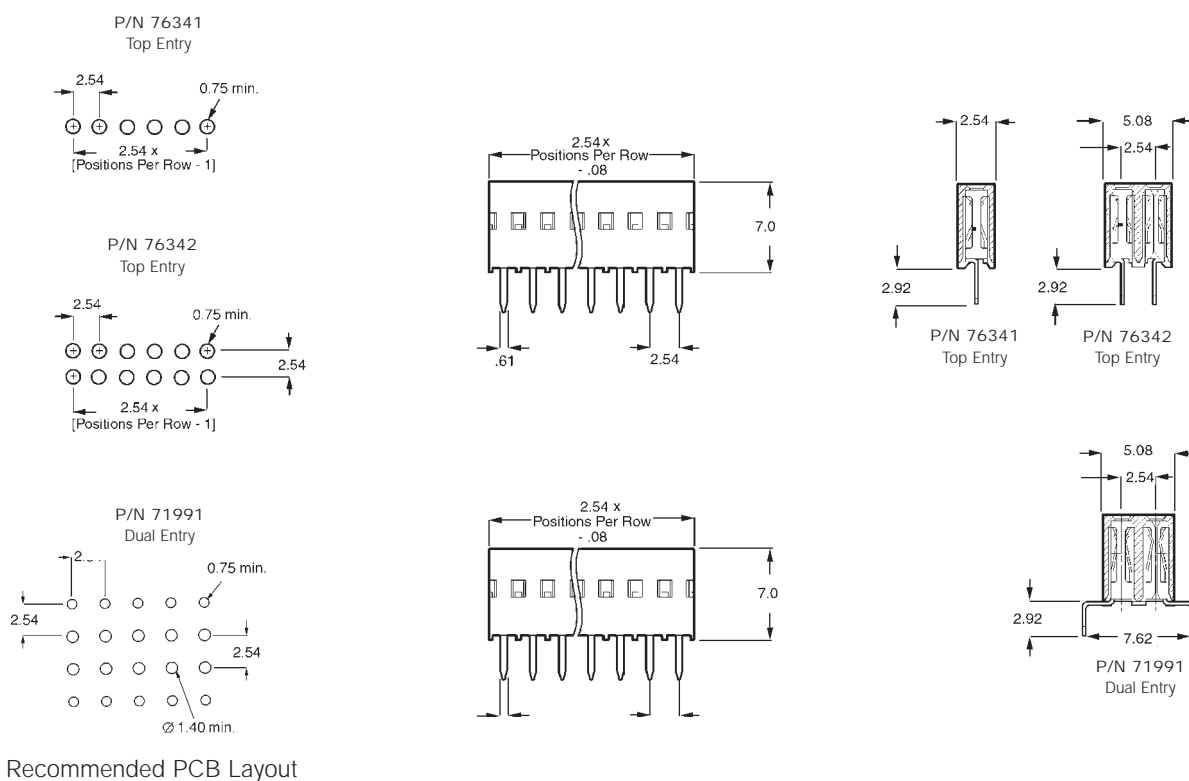


PART NUMBER



71991 - 3XXLF
XX = 05 - 20

PRIORITY PART



Dimensions in mm

2.54 mm (.100")

Dubox™ LOW PROFILE VERTICAL RECEPTACLES 2.54 mm (.100")



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

TECHNICAL DATA

Physical

- Housing: High-temperature, grey thermoplastic
- Flammability rating: UL 94 V-0
- Contact: Phosphor-bronze
- Plating: Gold or tin over 1.27 μm (50 μin) nickel

Electrical Performance

- Current rating:
 - 3 A dc max. per individual contact
 - 2 A dc max. per contact for fully energized connector
- Insulation resistance: $1 \times 10^5 \text{ M}\Omega$ 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) avg.
- Withdrawal force per gold contact: 0.30 N (30 gf) min.

Operating Temperature Range

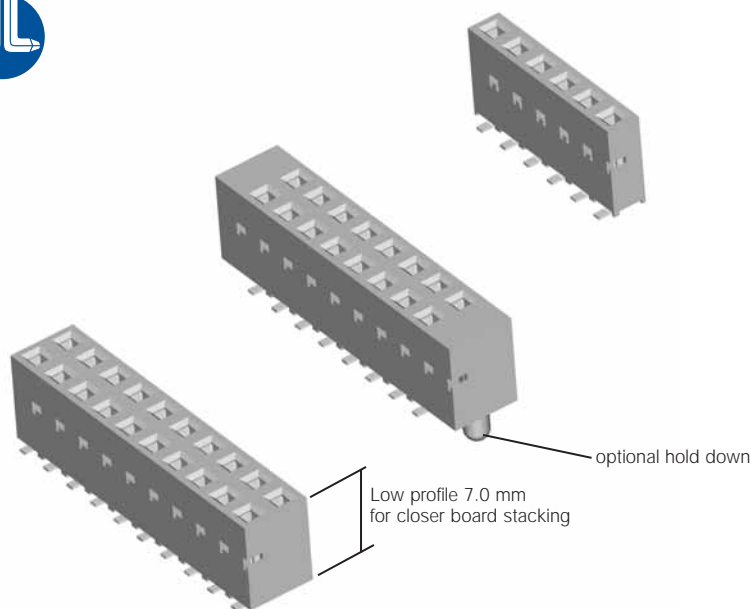
- -65°C to +125°C

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

- BergStik® Unshrouded vertical headers 10, 12
- BergStik® Unshrouded right angle headers 16, 18
- BergStik® Unshrouded stacking headers 20
- BergStik® continuous Unshrouded headers 14

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

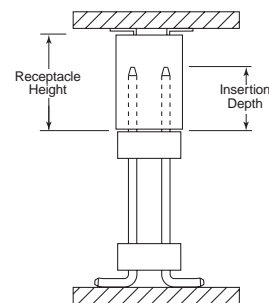
PROCESSING INFORMATION

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

RoHs INFORMATION

This product is RoHs compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



2.54 mm (.100")

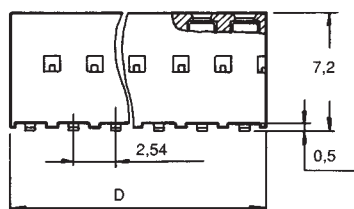
PART NUMBER

5-Digit Base Part Number	Plating	Positions Per Row	Option	LF
91601 = Single Row, Dual Entry 91614 = Single Row with external Hold Downs, Dual Entry 89898 = Double Row, Dual Entry 91615 = Double Row with External Hold Downs, Dual Entry 91618 = Double Row with Internal Hold Downs, Dual Entry			A = Tape-and-Reel packaging with pick-up cap (standard-tubes) 02 to 25 Single Row 02 to 25 Double Row 3 = 0,76 µm (30µ") gold on mating area, tin on solder side 4 = tin	

89898 - 3XXALF **CORE RANGE**
XX = 02, 03, 04, 05, 06, 08, 10

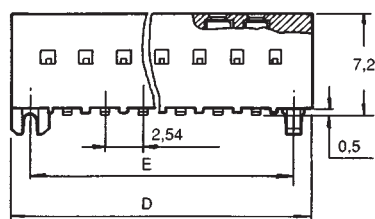
89898 - 3XXALF **PRIORITY PART**
XX = 11 - 20

Standard



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

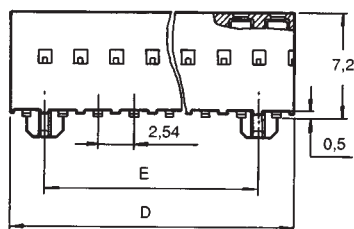
External Hold Downs



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

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

Internal Hold Downs

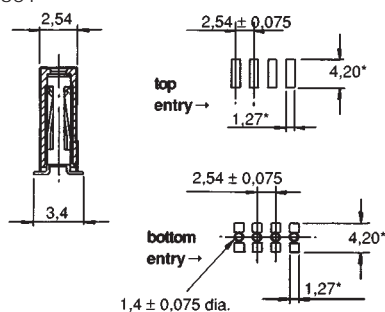


$$D = (\text{no. of pos. per row} \times 2,54) - 0,08$$

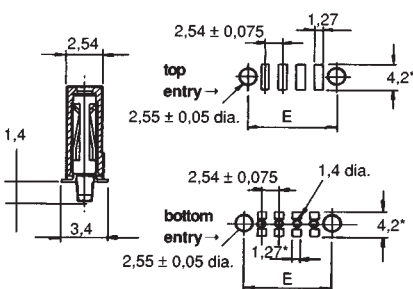
$$E = (\text{no. of pos. per row} \times 2,54) - 5,00$$

Single Row + Pad lay-outs

91601



91614



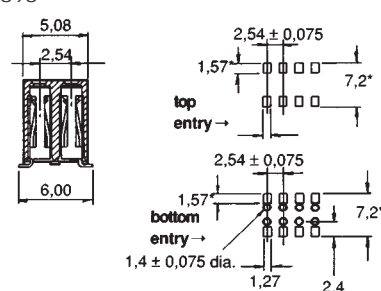
*Note: available as of 3 position versions

not available in single row

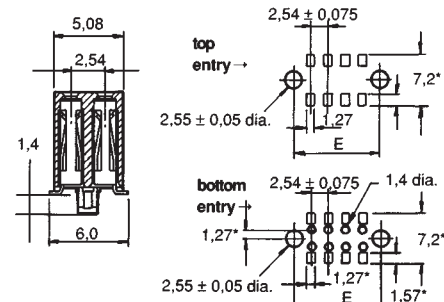
Note:
All dimensions marked with *
are minimum dimensions

Double Row + Pad lay-outs

89898

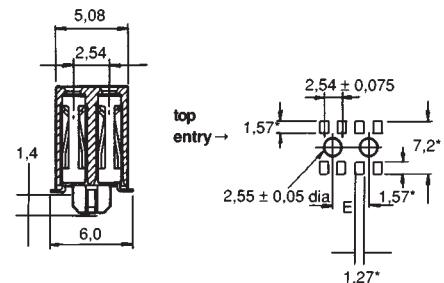


91615



*Note: available as of 3 position versions

91615



*Note: available as of 6 number of positions

Dimensions in mm



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

TECHNICAL DATA

Physical

- Housing: Blue thermoplastic - Through hole
- High temperature grey thermoplastic - Surface mount
- Flammability rating: UL 94 V-0
- Contact: Phosphor-bronze
- Plating: Gold or tin over 1.27 µm (50 µ") 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

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

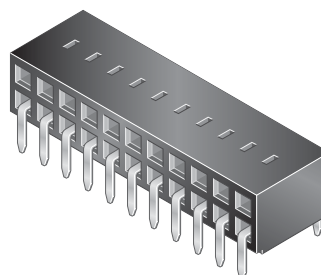
- -65°C to +125°C

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-856
- Specifications subject to change without notice.



MATING DATA

- BergStik® Unshrouded vertical headers 10, 12
- BergStik® Unshrouded right angle headers 16, 18
- BergStik® continuous Unshrouded headers 14

INSERTION DEPTH

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

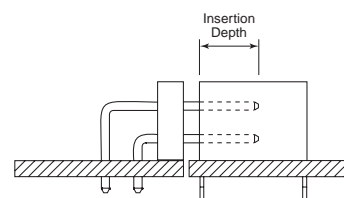
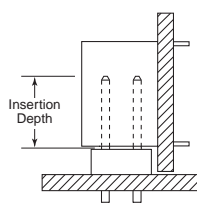
PROCESSING INFORMATION

- Series 89882, 89883: compatible with wave soldering processes
- Series 71607, 71609: compatible with wave, vapor-phase and IR reflow soldering processes

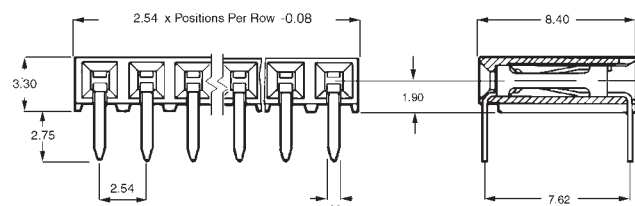
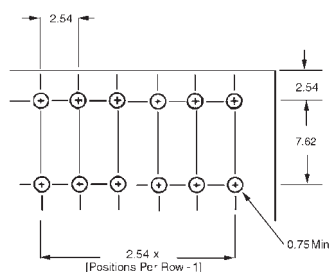
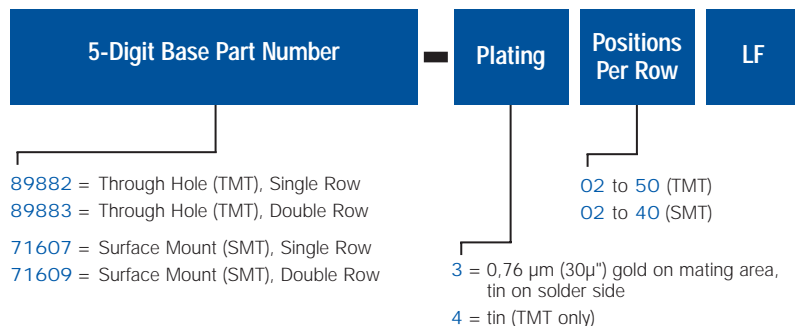
RoHS INFORMATION

This product is RoHS compatible according to the European Union Directive 2002/95/IEC

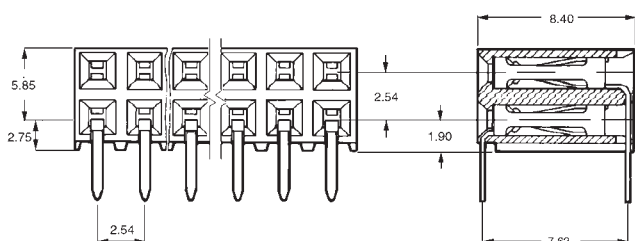
TYPICAL APPLICATIONS



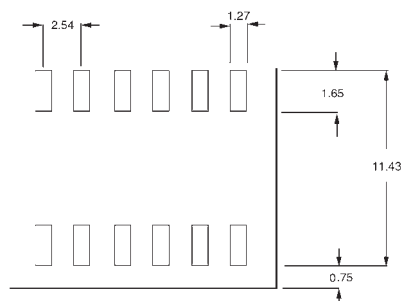
PART NUMBER



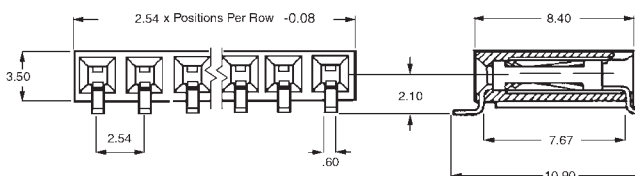
89882



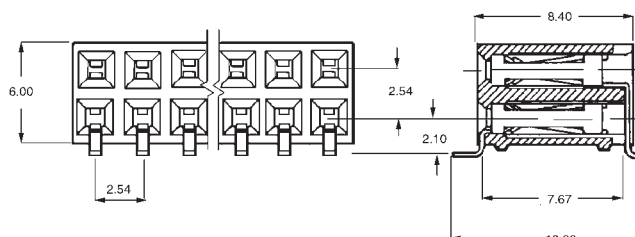
89883



Recommended PCB Layout



71607



71609

Dimensions in mm

2.54 mm (.100")



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

TECHNICAL DATA

Physical

- Housing: Glass filled thermoplastic polyester
- Housing color for series 76382, 76383: blue
- Housing color for series 76384, 76385: black
- Flammability rating: UL 94 V-0
- Contact: Phosphor-bronze
- Plating: Gold or tin over 1.27 µm (50µ") 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

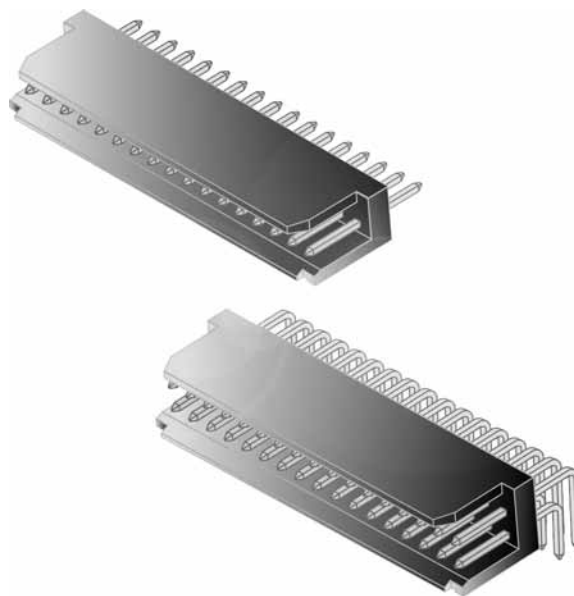
- 40°C to +125°C

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 34
- Dubox™ Crimp-to-wire housings 36

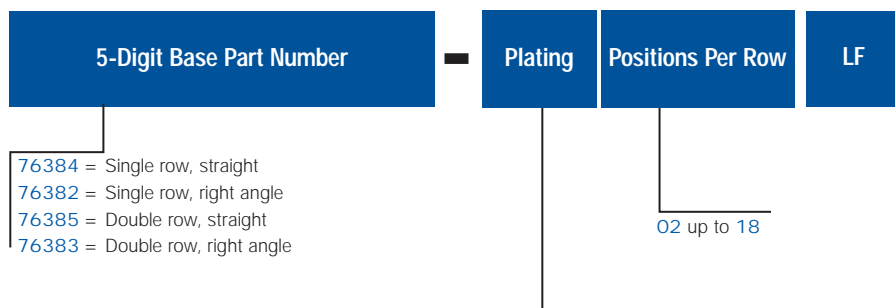
PROCESSING INFORMATION

Compatible with wave soldering processes

RoHS INFORMATION

This product is RoHS compatible according to the European Union Directive 2002/95/IEC

PART NUMBER



3 = 0.76 μ m (30 μ) gold on mating area, tin on solder side
4 = tin

76384 - 3XXLF
76385 - 3XXLF

**CORE
RANGE**

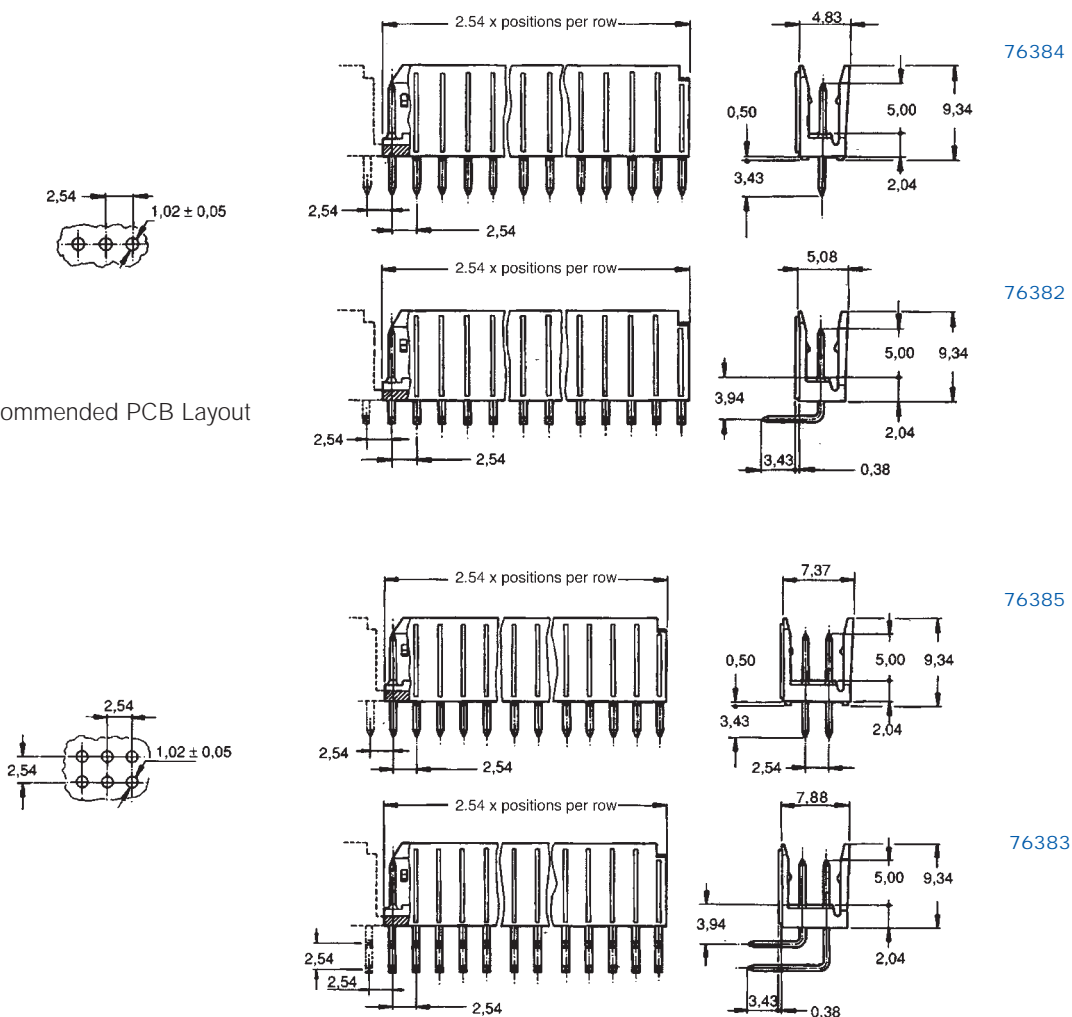
XX = 02, 03, 04, 05, 06, 08, 10

76384 - 3XXLF

**PRIORITY
PART**

XX = 12 - 16

Recommended PCB Layout



Dimensions in mm

2.54 mm (.100")



- 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 accommodates wires from AWG 22-30
- Selective plating

TECHNICAL DATA

Physical

- Contact: phosphor bronze
- Plating: 0.76 µm (30µ") Gold over 1.27 µm (50 µ") nickel

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
- Application specification: TA-317, TA-340

Specifications subject to change without notice.

MATING DATA

- BergStik® unshrouded straight headers 10, 12
- BergStik® unshrouded right angle headers 16, 18
- Dubox™ shrouded vert./ra. headers 32
- BergStik® continuous unshrouded headers 14



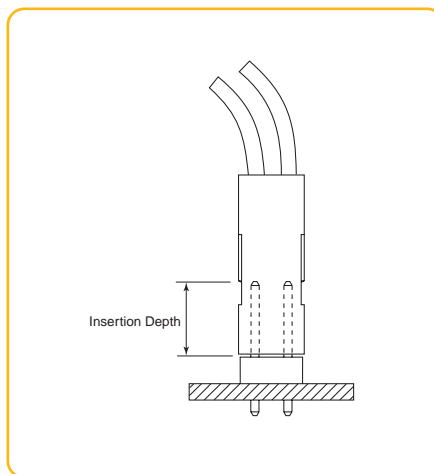
INSERTION DEPTH

- 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]

RoHS INFORMATION

This product is RoHS compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



PART NUMBER

Part numbers / Contacts on Reel

Wire size	insulation O.D.	Selective Gold Plated	Tin plated	Packaging
22-30	0.90 - 1.50	76347-301LF	76347-401LF	15.000/reel
22-30	0.90 - 1.50	76347-302 LF•	76347-402LF•	15.000/reel
22-30	0.90 - 1.50	76347-303 LF	76347-403LF	500/reel
20-22	1.10 - 1.60	76347-311LF	76347-411LF	15.000/reel
20-22	1.10 - 1.60	76347-312 LF•	76347-412LF•	15.000/reel

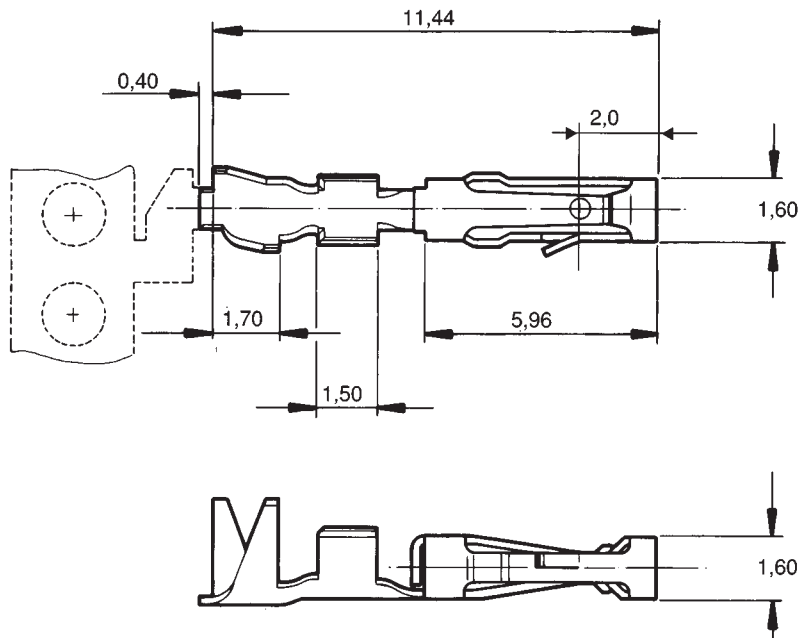
Part numbers / Contacts loose Piece

Wire size	insulation O.D.	Selective Gold Plated	Tin plated	Packaging
22-30	0.90 - 1.50	76357-301LF	76357-401LF	1000/box

Notes: • = reeled for application machine with left-to-right feeding

76347 - 301LF **CORE RANGE**

76347 - 3XXLF **PRIORITY PART**
XX = 02, 03, 11, 12



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

Wire strip length = $3,00 \pm 0,25$ mm

Mating pin size = 0,62 mm square

Mating pin recommended length = 5,00 mm min.

Dimensions in mm

2.54 mm (.100")



- 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 repairability

TECHNICAL DATA

Physical

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

Electrical Performance

- Insulation resistance: $1 \times 10^5 \text{ M}\Omega \text{ min}$
- Dielectric withstanding voltage: 1000 V rms

Operating Temperature Range

- 65°C to +125°C

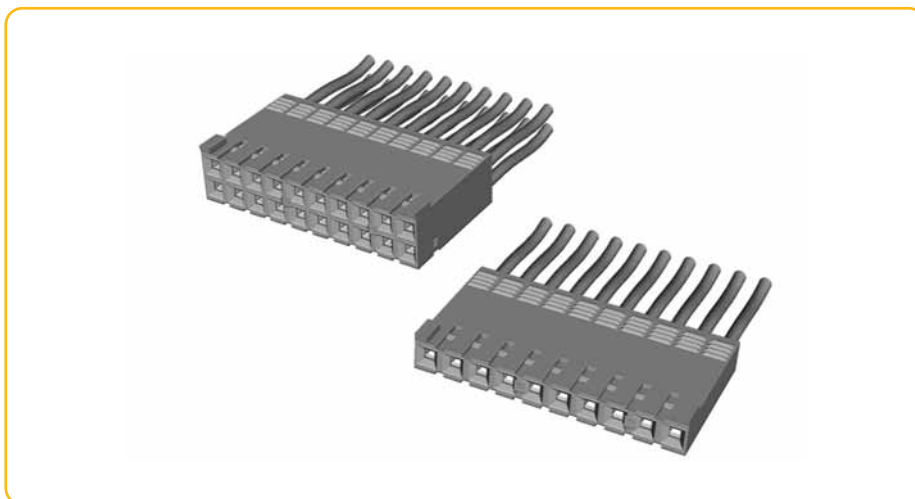
Packaging

- 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

- BergStik® unshrouded vertical headers 10, 12
- BergStik® unshrouded right angle headers 16, 18
- Dubox™ shrouded headers 32

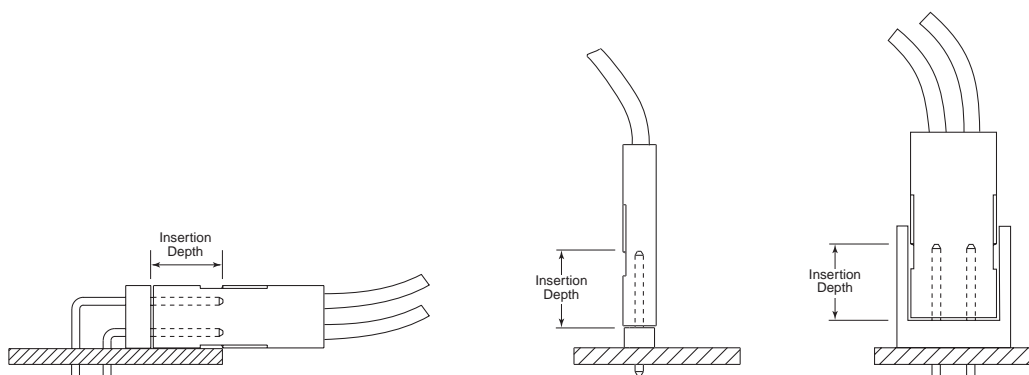
INSERTION DEPTH

- 4.0 mm min. to 6.0 mm max.

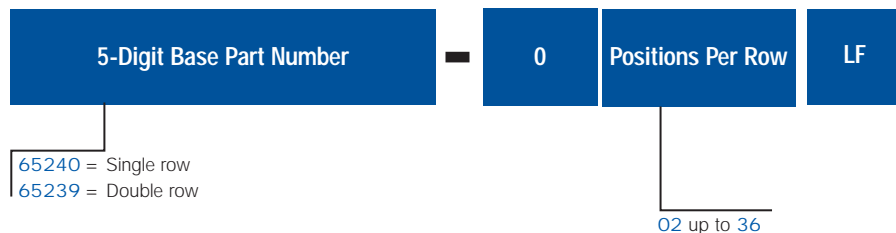
RoHs INFORMATION

This product is RoHs compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



PART NUMBER



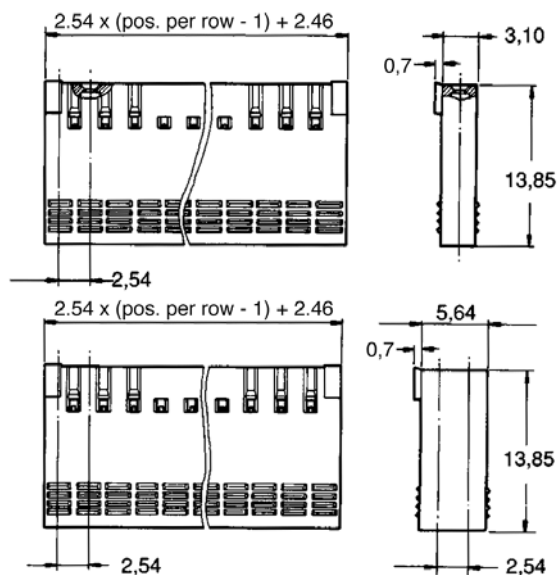
65239 - 0XXLF
XX = 02, 03, 04, 05, 06, 08, 10

65240 - 0XXLF
XX = 04, 06, 08, 10, 12, 16, 20

**CORE
RANGE**

65239 - 0XXLF
XX = 02 - 18

**PRIORITY
PART**



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

Dimensions in mm

2.54 mm (.100")

PV™ SHROUDED HEADERS 2.54 mm (.100")



- Housing uses our high reliability contact
- High temperature headers
- Passive latching system

TECHNICAL DATA

Physical

- Housing: Black thermoplastic
- Flammability rating: UL 94 V-0
- Contact: Phosphor-bronze
- Plating: Gold or tin-lead over 1.27 µm (50 µ") nickel

Electrical Performance

- Current rating: 3 A continuous
- Insulation resistance: 100000 mΩ min.
- Dielectric withstanding voltage: 1000 V

Mechanical Performance

- Contact retention to housing: 17.76 N min.

Operating Temperature Range

- -40°C to +95°C

Packaging

- Bags

Reference Information

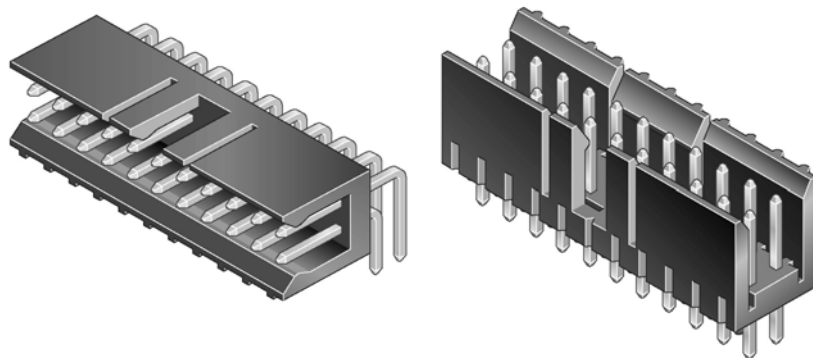
- File no. E66906
 - File no. LR46923
 - Product drawing: By 5-digit base part number
 - Product specification: BUS-12-067
BUS-12-075
 - Application specification: TA-531
- Specifications subject to change without notice.

MATING DATA

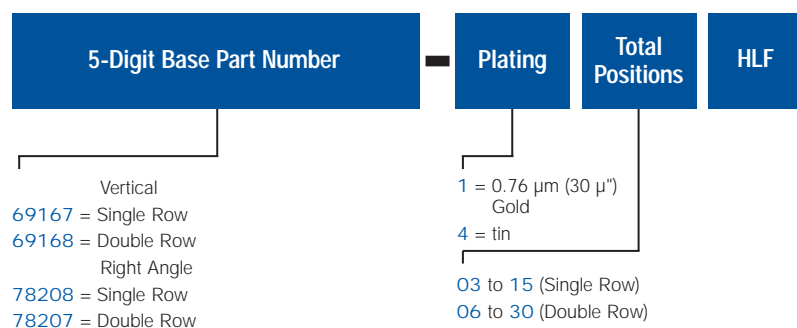
- PV™ Crimp-to-wire contact 40
- PV™ crimp-to-wire housings 42

PROCESSING INFORMATION

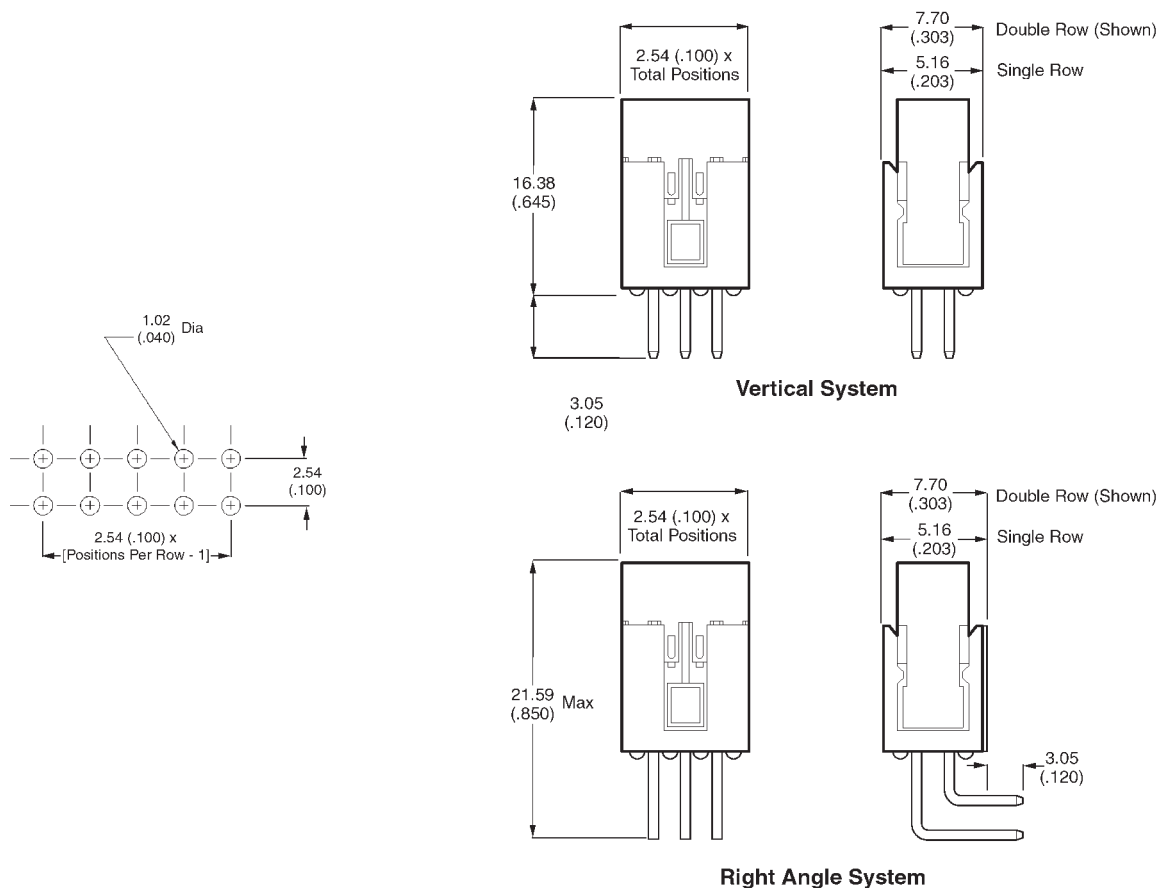
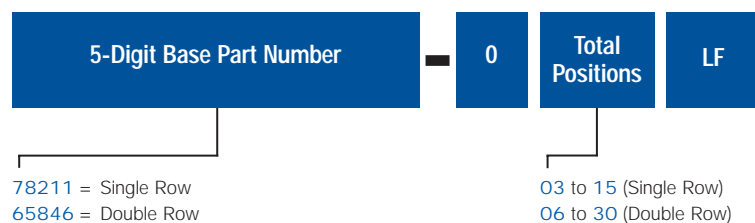
This product is RoHS compatible according to the European Union Directive 2002/95/IEC



PART NUMBER



Housings



2.54 mm (.100")

PV™ CRIMP-TO-WIRE CONTACTS

2.54 mm (.100")



- High reliability contacts for shock and vibration applications
- Three spring thickness options meet application specific insertion, withdrawal, and normal force requirements
- Leaf spring design provides constant retention force after repeated cycles

TECHNICAL DATA

Physical

- Contact: Brass body with beryllium-copper spring
- Pin: Brass
- Plating: Gold or tin over 1.27 μm (50 μin) nickel

Electrical Performance

- Current rating: 3 A continuous depending on wire size
- Insulation resistance: 5000 $\text{m}\Omega$ min.
- Contact resistance after environmental test: 15 $\text{m}\Omega$ max. - Contact
- Dielectric withstanding voltage: 1000 V

Mechanical Performance

- Mating cycles (durability): 1000 - Gold
- Insertion force per gold contact:
 - 2.35 N (240 gf) - Standard spring
 - 4.41 N (450 gf) - High spring
 - 10.79 N (1100 gf) - Ultra high spring

Operating Temperature Range

- 65°C to +125°C

Packaging

- Reels
- Boxes - Loose piece

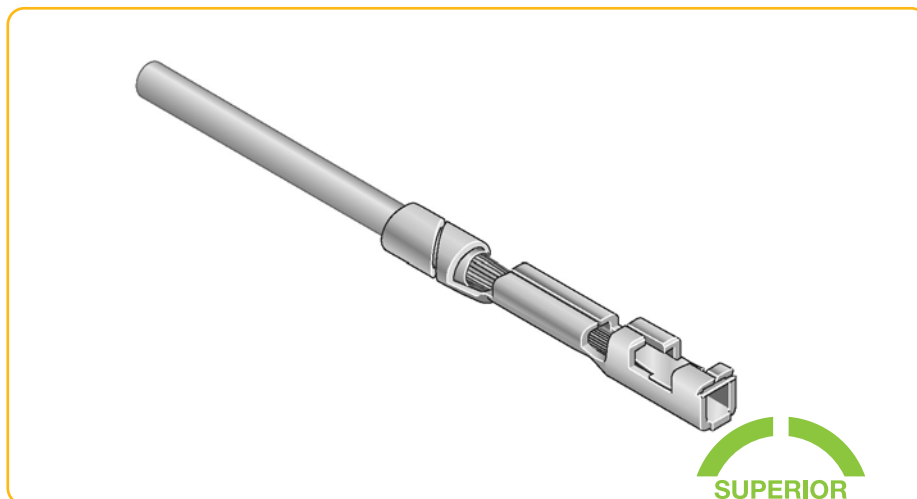
Reference Information

- File no. E66906
- File no. LR46923
- Product drawing: By 5-digit base part number
- Product specification: BUS-12-067 Contact
- Application specification: TA-75, TA-146 - Contact

Specifications subject to change without notice.

MATING DATA

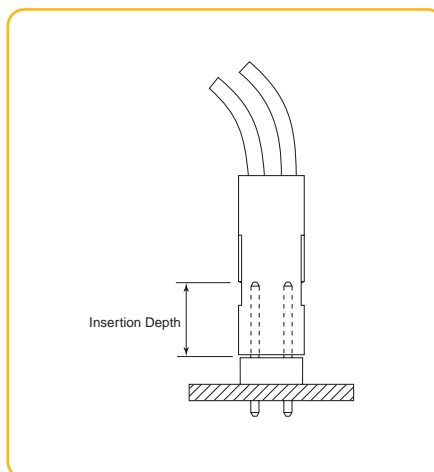
- Continuous unshrouded headers 14
- Unshrouded vertical headers 10, 12
- Unshrouded right angle headers 16



INSERTION DEPTH

- Discrete Wire: 3.56 mm (.140") min. to 5.59 mm (.220") max.
[provides .381 mm (.015") wipe]
- Crimp-to-Wire Housing: 5.08 mm (.200") min. to 6.22 mm (.245") max.
[provides .381 mm (.015") wipe in housing]

TYPICAL APPLICATIONS



PART NUMBER

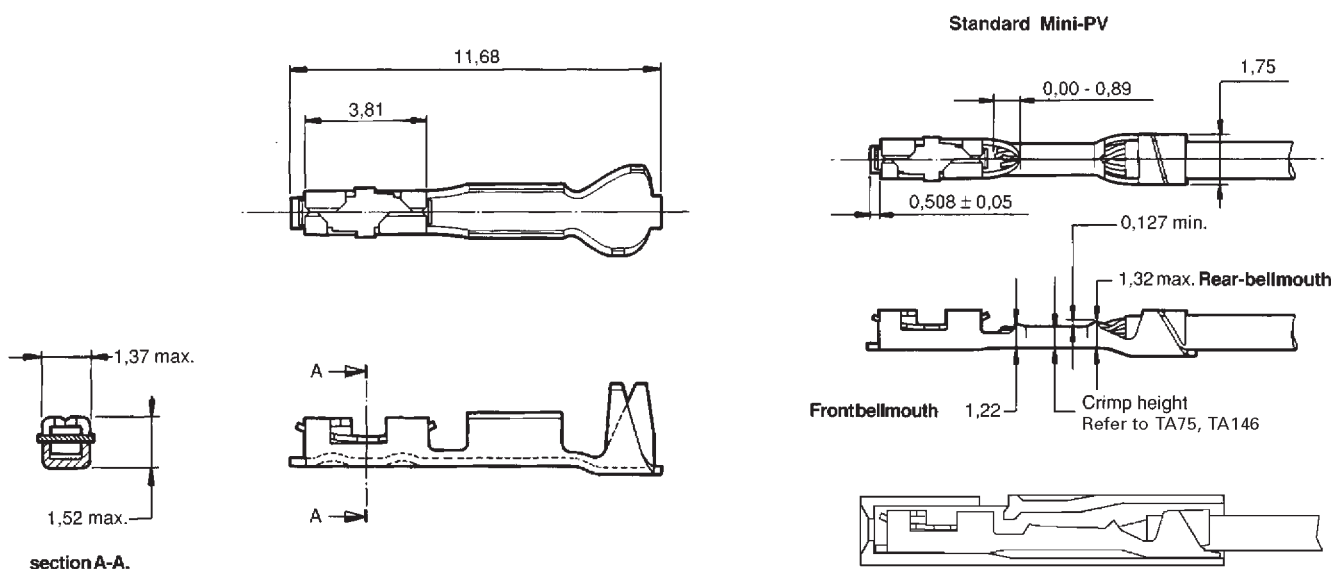


HOW TO SELECT THE RIGHT CONTACT

- Step 1** Select Application
- Step 2** Select Spring Force
- Step 3** Select Wire Size

1	2
Application	Spring Force
Housing	
40-72 Contacts Per Housing	Standard
10-50 Contacts Per Housing	High
2-20 Contacts Per Housing	Ultra High
Discrete Contact	Ultra High

Wire Size (AWG)	Application Spring Force	Part Number
18, 20	Standard	48231-000
or two 22	High	48047-000
or two 24	Ultra High	48052-000
22, 24, 26	Standard	48049-000
or two 26	High	48046-000
or two 28	Ultra High	48051-000
28, 30, 32	Standard	48048-000
or two 30	High	48045-000
or two 32	Ultra High	48050-000
32, 34, 36	Standard	75543-015
	High	75543-013
	Ultra High	75543-017



2.54 mm (.100")

PV™ CRIMP-TO-WIRE HOUSINGS

2.54 mm (.100")



- Lowest profile housing in the industry
- Designed for use with our high reliability
- PV™ Contact

TECHNICAL DATA

Physical

- Housing: Black thermoplastic
- Flammability rating: UL 94 V-0

Electrical Performance

- Insulation resistance: 100,000 M Ω min
- Dielectric withstanding voltage: 1000 V min.

Mechanical Performance

- Contact retention to housing: 17.76 N min.

Operating Temperature Range

- 40°C to +105°C

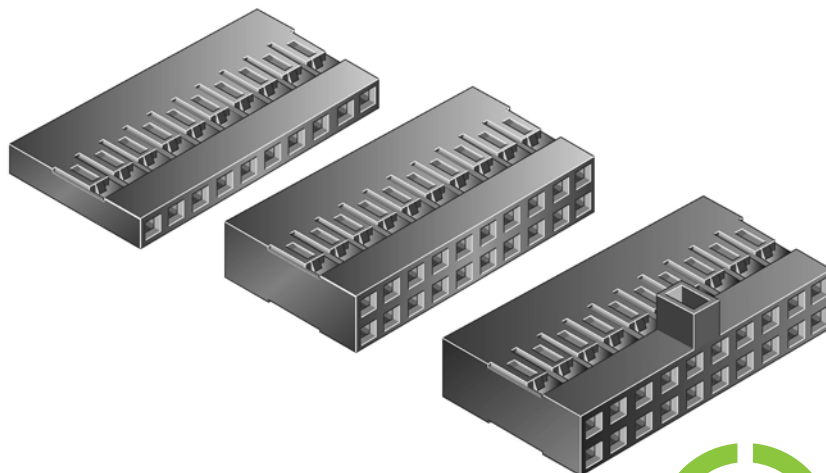
Packaging

- Bags

Reference Information

- File no. E66906
- File no. LR46923
- Product drawing: By 5-digit base part number
- Product specification: BUS-12-067
- Application specification: TA-531

Specifications subject to change without notice.



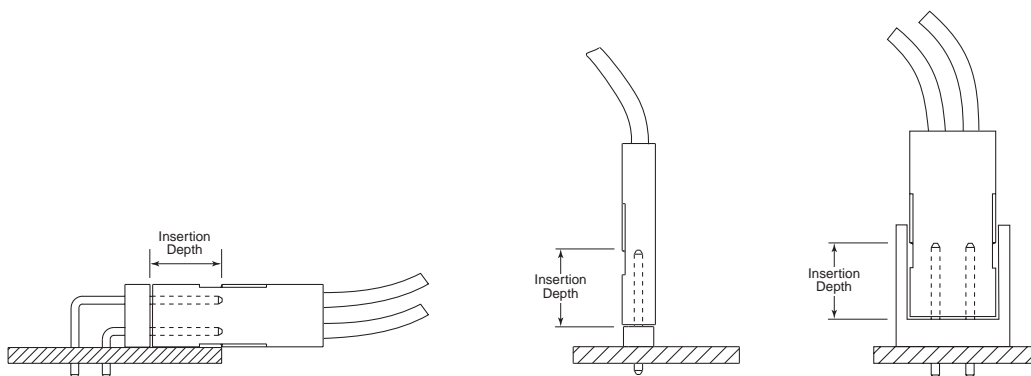
MATING DATA

- Continuous unshrouded headers 14
- Unshrouded vertical headers 10, 12
- Unshrouded right angle headers 16

INSERTION DEPTH

- 5.08 mm (.200") min. to 6.22 mm (.245") max. [provides .381 mm (.015") wipe in housing]

TYPICAL APPLICATIONS



2.54 mm (.100")

PART NUMBER

5-Digit Base Part Number

3-Digit
Dash Number

LF

65039 = Single Row

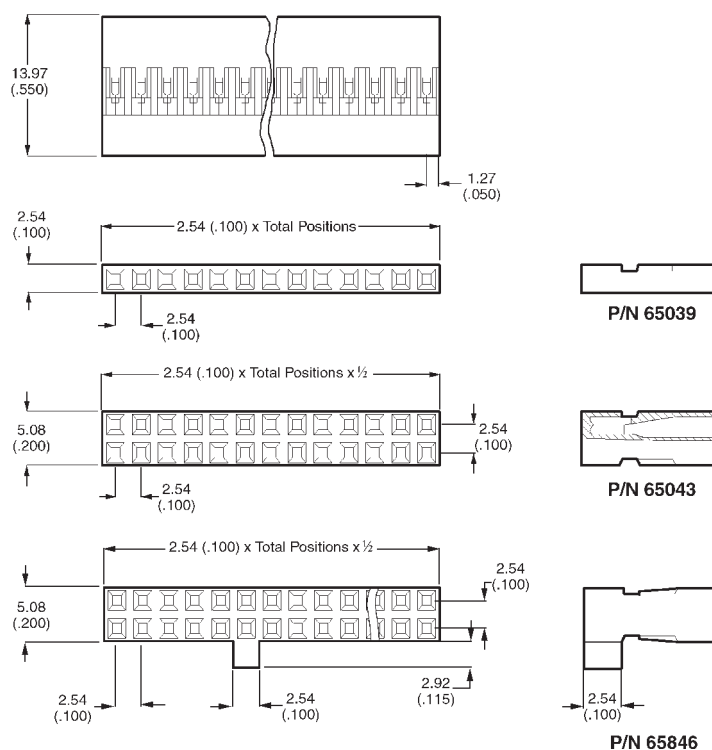
78211 = Single Row with Center Key

65043 = Double Row

65846 = Double Row with Center Key

Single Row			Double Row		
Total Positions	65039	78211	Total Positions	65043	65846
1	-036		4	-035	-014
2	-035		6	-034	-015
3	-034	-003	8	-033	-016
4	-033	-004	10	-032	-010
5	-032	-005	12	-031	-017
6	-031	-006	14	-030	-007
7	-030	-007	16	-029	-011
8	-029	-008	18	-028	-008
9	-028	-009	20	-027	-006
10	-027	-010	22	-026	-018
11	-026	-011	24	-025	-001
12	-025	-012	26	-024	-019
13	-024	-013	28	-023	-020
14	-023	-014	30	-022	-002
15	-022	-015	32	-021	-021
16	-021		34	-020	-022
17	-020		36	-019	-023
18	-019		38	-018	-003

Single Row			Double Row		
Total Positions	65039	78211	Total Positions	65043	65846
19	-018		40	-017	-024
20	-017		42	-016	-025
21	-016		44	-015	-004
22	-015		46	-014	-026
23	-014		48	-013	-027
24	-013		50	-012	-012
25	-012		52	-011	-028
26	-011		54	-010	-005
27	-010		56	-009	-029
28	-009		58	-008	-030
29	-008		60	-007	-013
30	-007		62	-006	-031
31	-006		64	-005	-009
32	-005		66	-004	-032
33	-004		68	-003	-033
34	-003		70	-002	-034
35	-002		72	-001	-035
36	-001				



2.54 mm (.100")

Quickie™ SHROUDED LOW PROFILE HEADERS 2.54 mm (.100")



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

TECHNICAL DATA

Physical

- Housing: Glass filled, thermoplastic polyester, blue
- Flammability rating: UL 94 V-0
- Pin: Phosphor-bronze
- Plating: Gold or tin over 1.27 μm (50 μin) nickel

Electrical Performance

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

Mechanical Performance

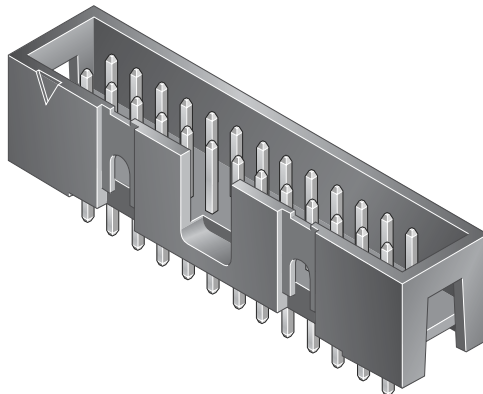
- Pin retention to housing: 20 N min.

Operating Temperature Range

- 65°C to +125°C

Packaging

- Tubes



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

- Quickie™ IDC receptacles 50

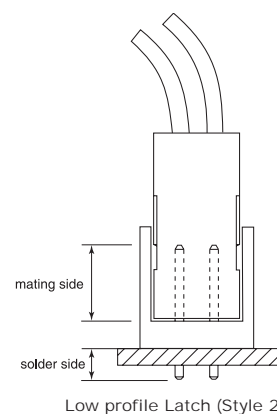
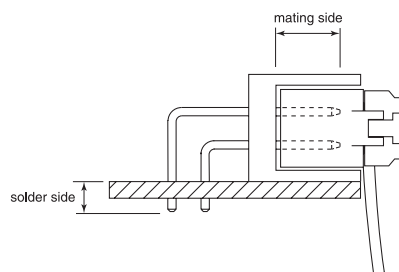
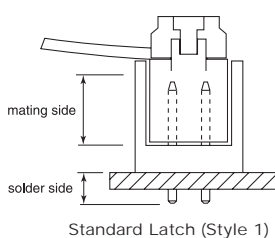
PROCESSING INFORMATION

Compatible with wave soldering processes

RoHs INFORMATION

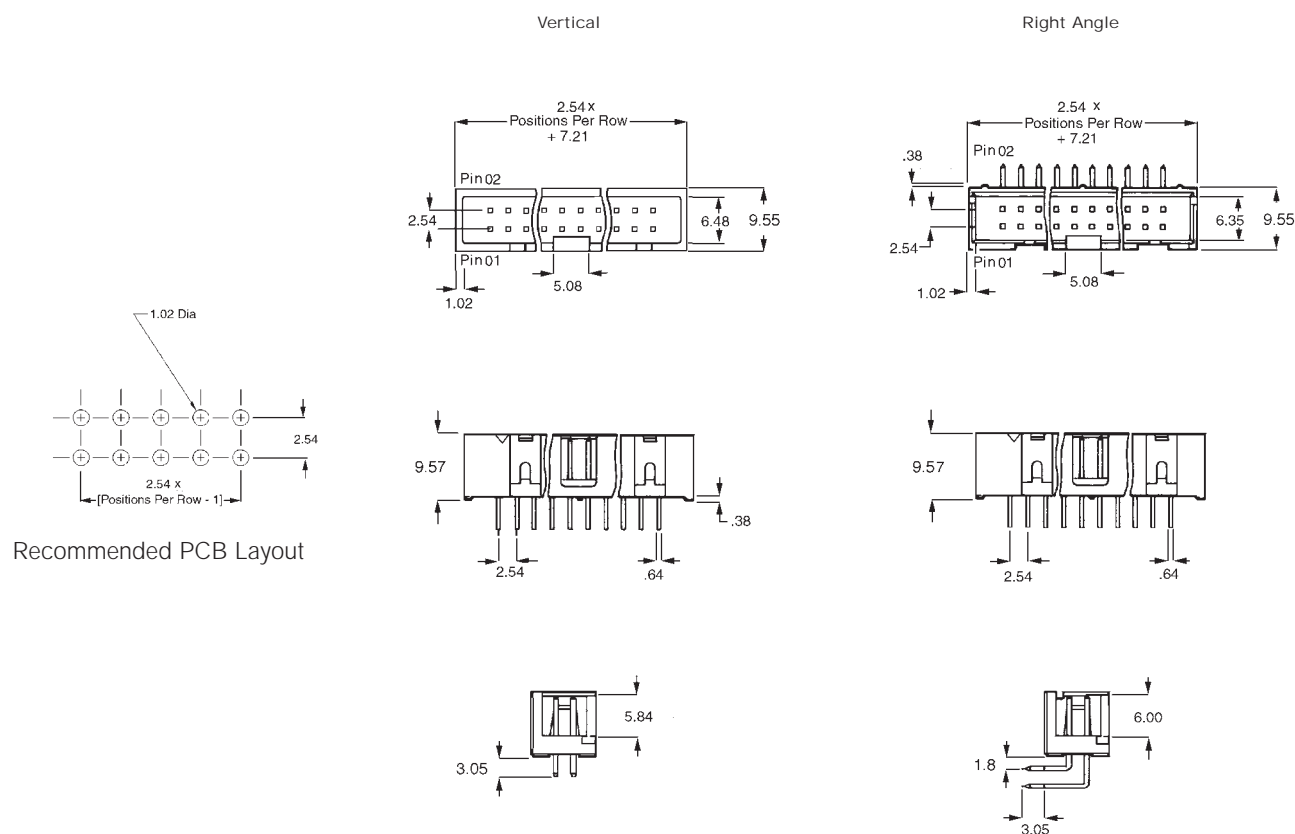
This product is RoHs compatible according to the European Union Directive 2002/95/IEC

LATCHING STYLES



PART NUMBER

5-Digit Base Part Number	Plating	Total Positions	LF
Through mount 75869 = Vertical 75867 = Right angle		30 = 4 pos. 31 = 6 pos. 32 = 8 pos. 01 = 10 pos. 02 = 14 pos. 03 = 16 pos. 04 = 20 pos. 05 = 26 pos. 06 = 34 pos. 07 = 40 pos. 08 = 50 pos. 09 = 60 pos. 10 = 64 pos.	
1 = 0.76 μm (30 μ) gold on mating area, tin on solder side 2 = tin 3 = 0.38 μm (15 μ) gold on mating area, tin on solder side			



Dimensions in mm



- High temperature housing
- Compatible with IR reflow soldering processes
- Tape-and-Reel packaging for automatic pick-and-place



TECHNICAL DATA

Physical

- Housing: Glass filled, high temperature thermoplastic polyester, black
- Flammability rating: UL 94 V-0
- Pin: Phosphor-bronze
- Plating: Gold or tin over 1.27 μm (50 μin) nickel

Electrical Performance

- Current rating: 3 A continuous
- Insulation resistance: 10,000 M Ω min.
- Dielectric withstanding voltage: 500 V rms

Mechanical Performance

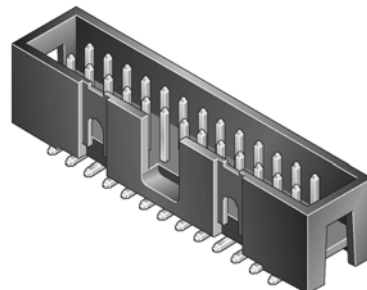
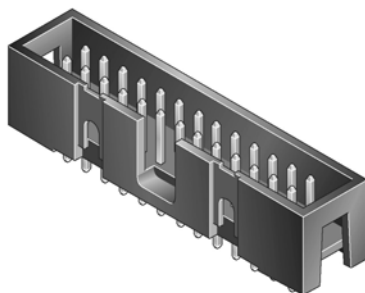
- Pin retention to housing: 20 N min.

Operating Temperature Range

- 65°C to +125°C

Packaging

- SMT: Tape-and-reel with pick-up cap
- PIP: Tube with pick-up cap



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

Quickie™ IDC receptacles

50

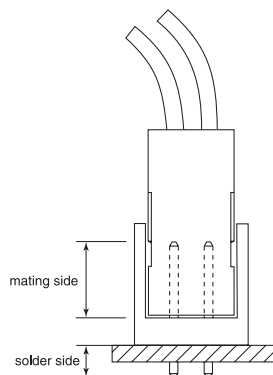
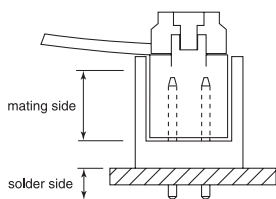
PROCESSING INFORMATION

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

RoHs INFORMATION

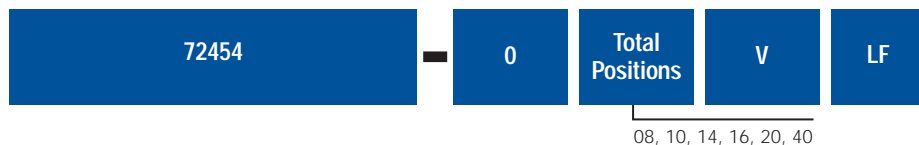
This product is RoHs compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS

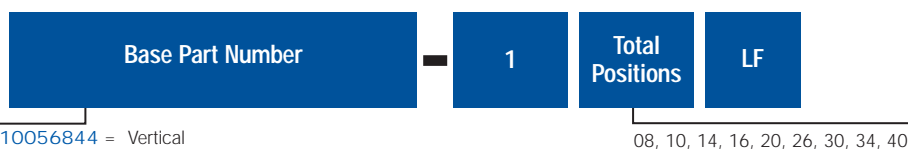


PART NUMBER

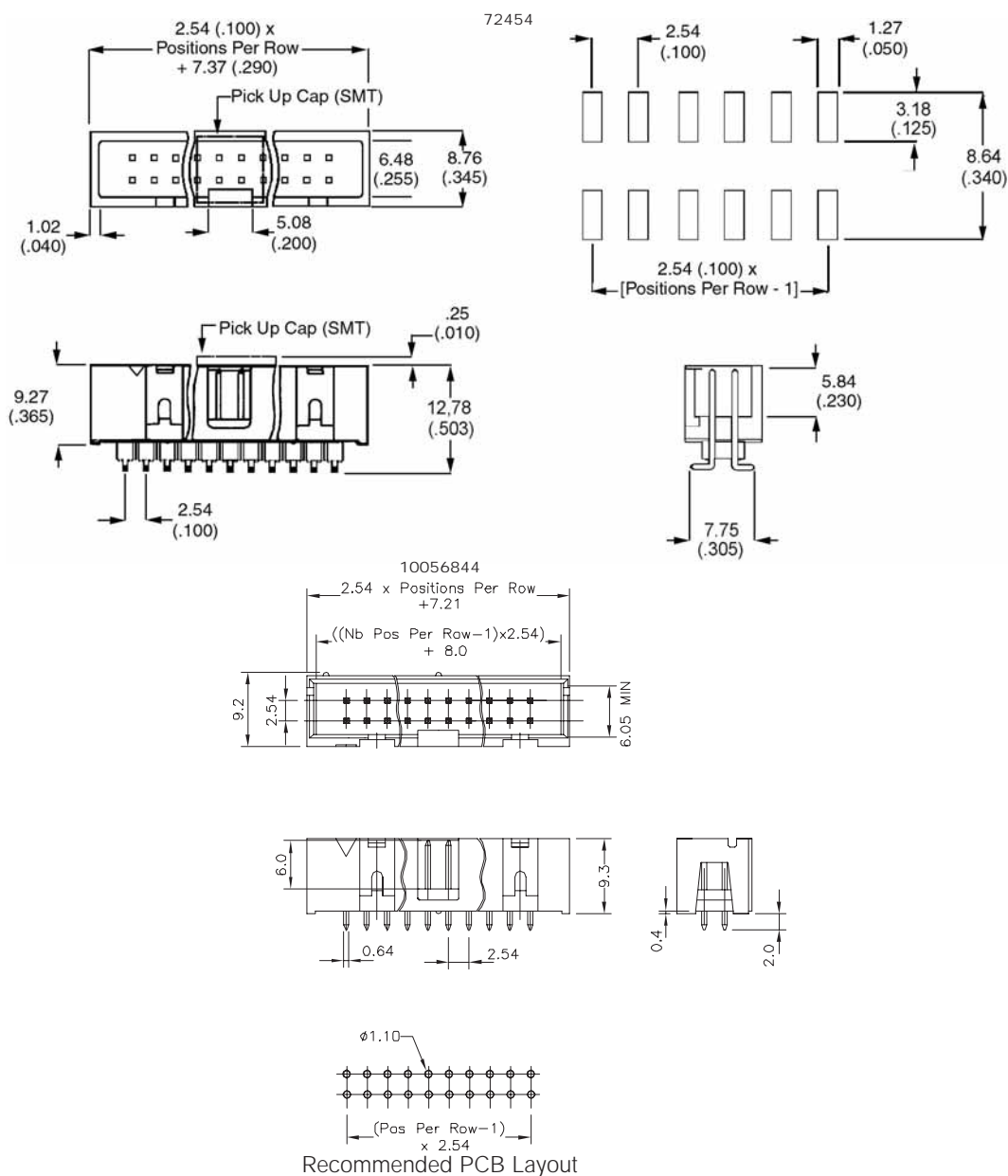
SMT (Surface Mount)



PiP (Pin-in-Paste)



10056844 = Vertical
10056845 = Right angle



2.54 mm (.100")

Quickie™ SHROUDED EJECT LATCH HEADERS 2.54 mm (.100")



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

TECHNICAL DATA

Physical

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



Electrical Performance

- Current rating: 3 A continuous
- Insulation resistance: 10,000 M Ω min
- Dielectric withstanding voltage: 1500 V

Mechanical Performance

- Pin retention to housing: 20 N min.

Operating Temperature Range

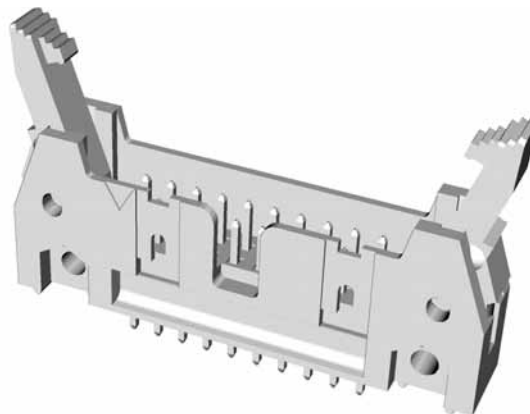
- 65°C to +125°C

Packaging

- Tubes

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

- Quickie™ IDC receptacles 50

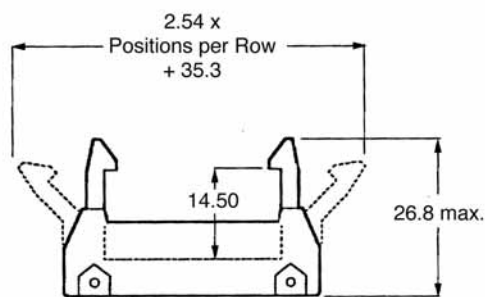
PROCESSING INFORMATION

Compatible with wave soldering processes

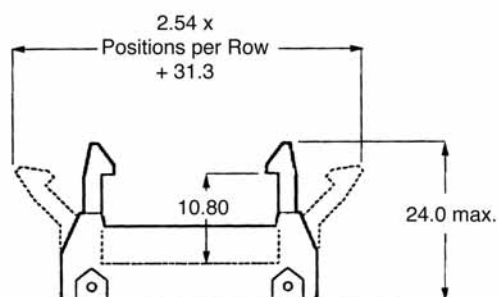
RoHS INFORMATION

This product is RoHS compatible according to the European Union Directive 2002/95/IEC

LATCHING STYLES

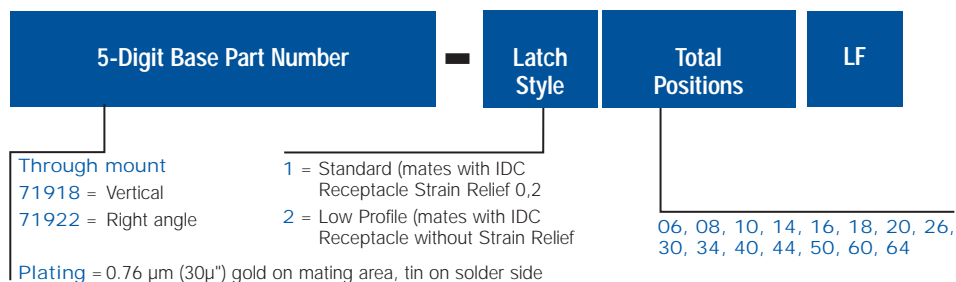


Standard Latch (Style 1)



Low profile Latch (Style 2)

PART NUMBER



71918 - 1XXLF
71922 - 1XXLF

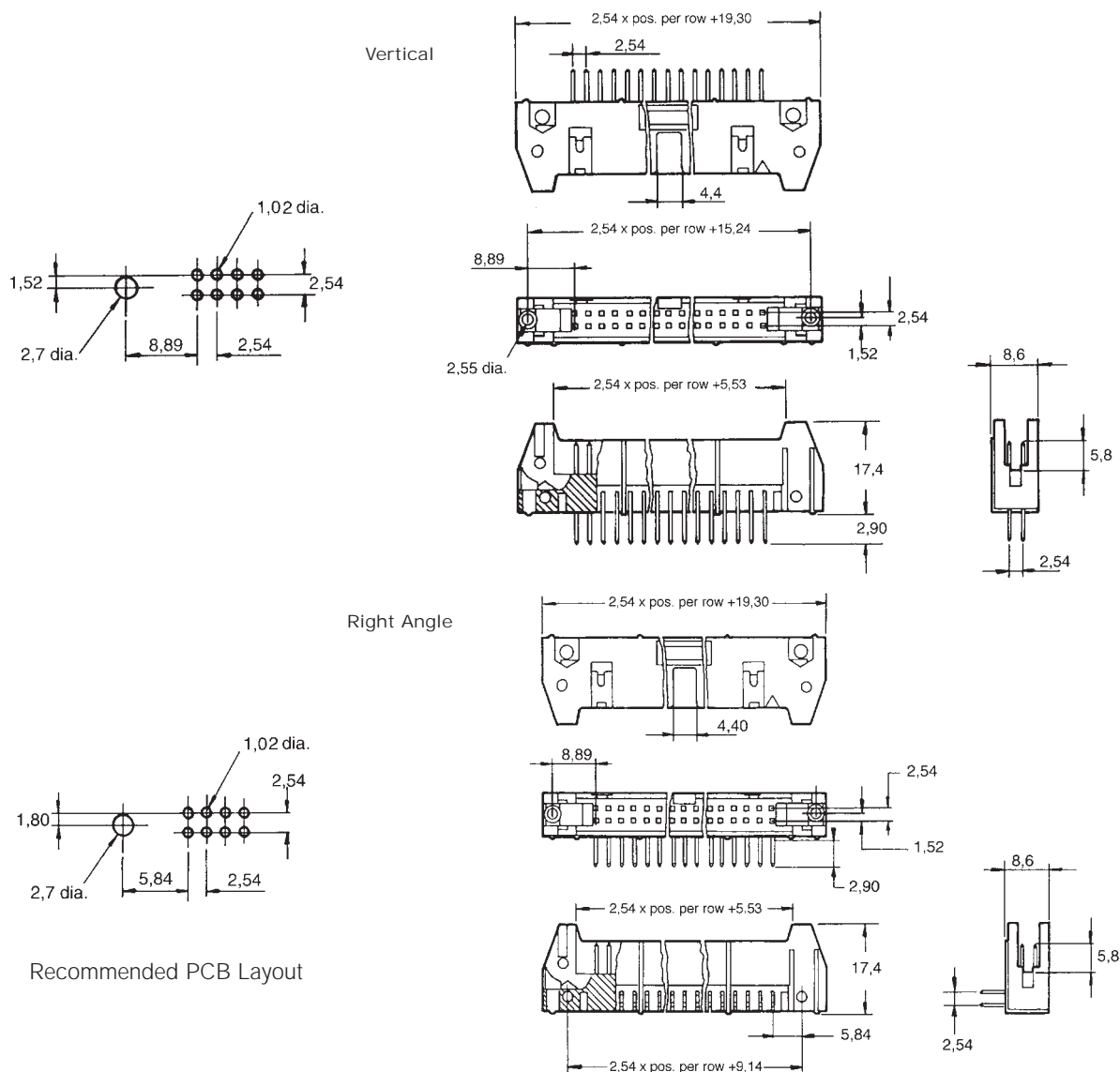
CORE RANGE

XX = 04, 06, 08, 10, 12, 16, 20

71918 - 1XXLF
71922 - 1XXLF

PRIORITY PART

XX = 10 - 40



Dimensions in mm

2.54 mm (.100")



TECHNICAL DATA

Physical

- Housing: Grey thermoplastic
- Flammability rating: UL 94 V-0
- Contact: Phosphor-bronze
- Plating: 0.76 μm (30 μ) Gold over
1.27 μm (50 μ) nickel

Electrical Performance

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

Mechanical Performance

- Mating cycles (durability): 100

Operating Temperature Range

- -65°C to +125°C

Packaging

- Tubes

Reference Information

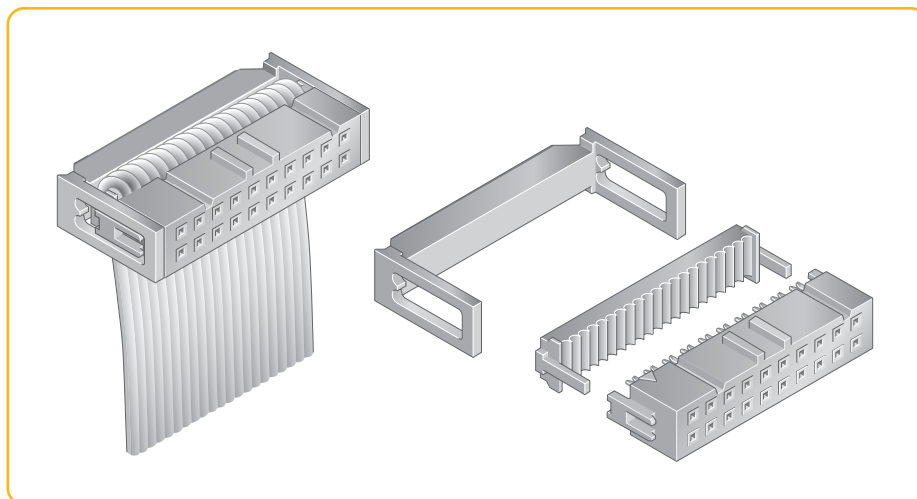
- File no. E66906
 - File no. LR46923
 - Product drawing: By 5-digit base part number
 - Product specification: BUS-12-095
- Specifications subject to change without notice.

MATING DATA

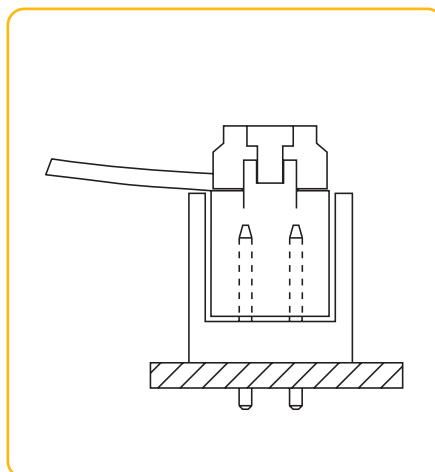
- BergStik® unshrouded
vertical headers 10, 12, 14
- Quickie® shrouded
low profile headers 44, 46
- Quickie® shrouded
eject latch headers 48

RoHS INFORMATION

This product is RoHS compatible
according to the European Union
Directive 2002/95/IEC



TYPICAL APPLICATIONS



PART NUMBER



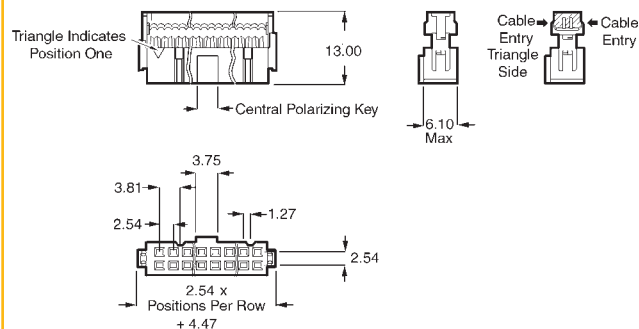
04, 06, 08, 10, 14, 16, 20, 26, 34, 40, 50, 60, 64

- 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)

Note: 4 position available without strain relief only

71600 - 0XXLF **CORE RANGE**
XX = 04, 06, 08, 10, 12, 16, 20

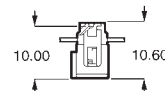
71600 - 0XXLF **PRIORITY PART**
XX = 22 - 40



0
Standard
Strain Relief



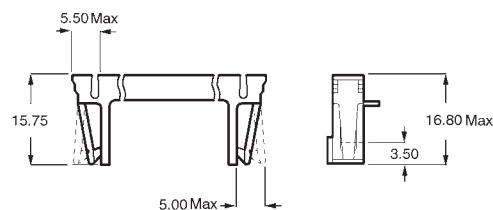
1
Without
Strain Relief



2
Low Profile
Strain Relief



6
Latching
Strain Relief
For Low Profile
Header



Dimensions in mm

2.54 mm (.100")



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

TECHNICAL DATA

Physical

- Housing: Blue thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Phosphor-bronze
- Plating: Tin over 1.27 μm (50 μ) nickel

Electrical Performance

- Current rating: 1 A continuous
- Insulation resistance: 50,000 $\text{M}\Omega$ min.
- Contact resistance: 15 $\text{m}\Omega$ max.
- Dielectric withstanding voltage: 1000 V min.


Operating Temperature Range


- -65°C to +125°C

Packaging

- Tubes

Reference Information

 File no. E66906

 File no. LR46923

- Product drawing: By 5-digit base part number

- Product specification: 110-019

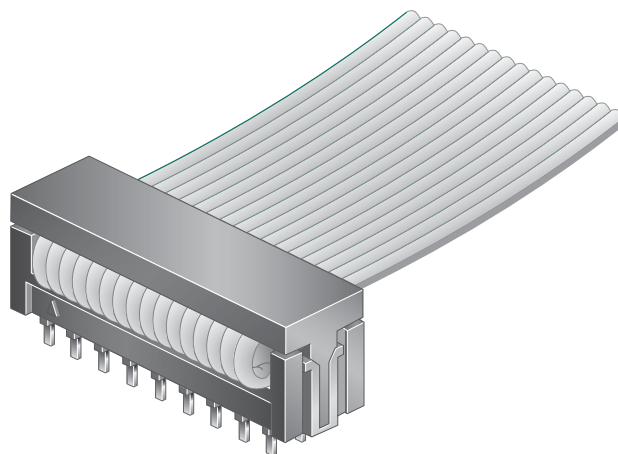
Specifications subject to change without notice.

PROCESSING INFORMATION

Compatible with wave and vapor phase soldering processes — Low temperature

RoHs INFORMATION

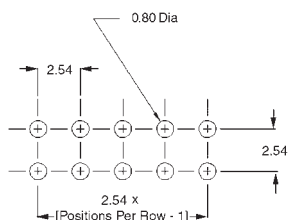
This product is RoHs compatible according to the European Union Directive 2002/95/IEC



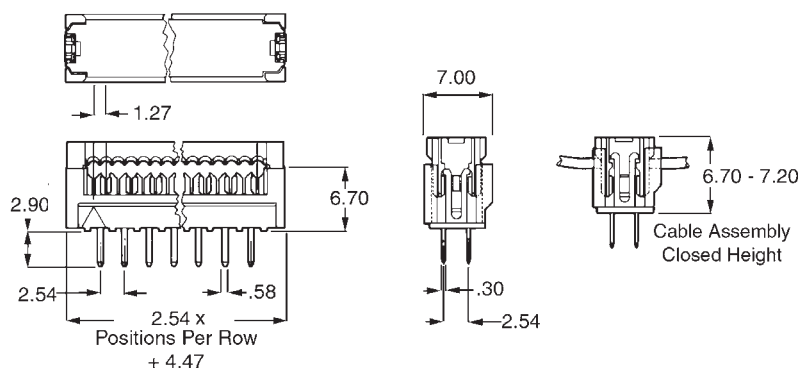
PART NUMBER

6	9	8	3	0	—	0	Total Positions	LF
---	---	---	---	---	---	---	-----------------	----

02 = 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

2.54 mm (.100")

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[67996-306H](#)