

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

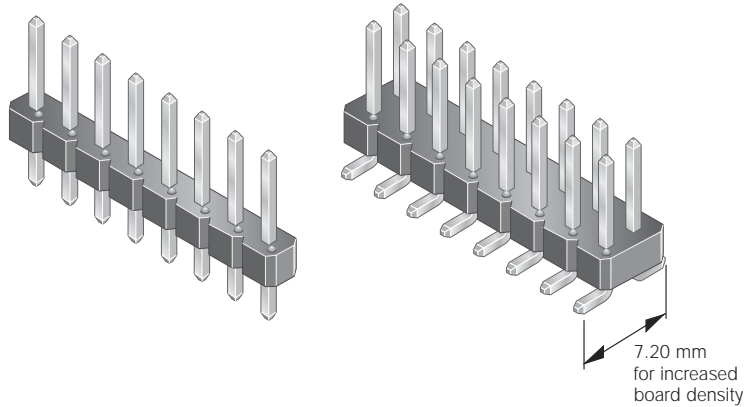
- Standard: Bags
- Optional: Tubes or Tape-and-reel with pick-up cap (SMT pin style 01 only)

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



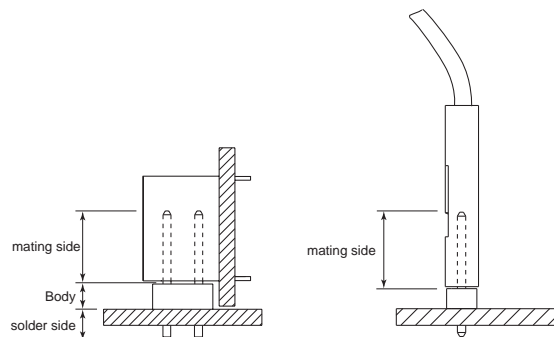
PROCESSING INFORMATION

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

RoHs INFORMATION

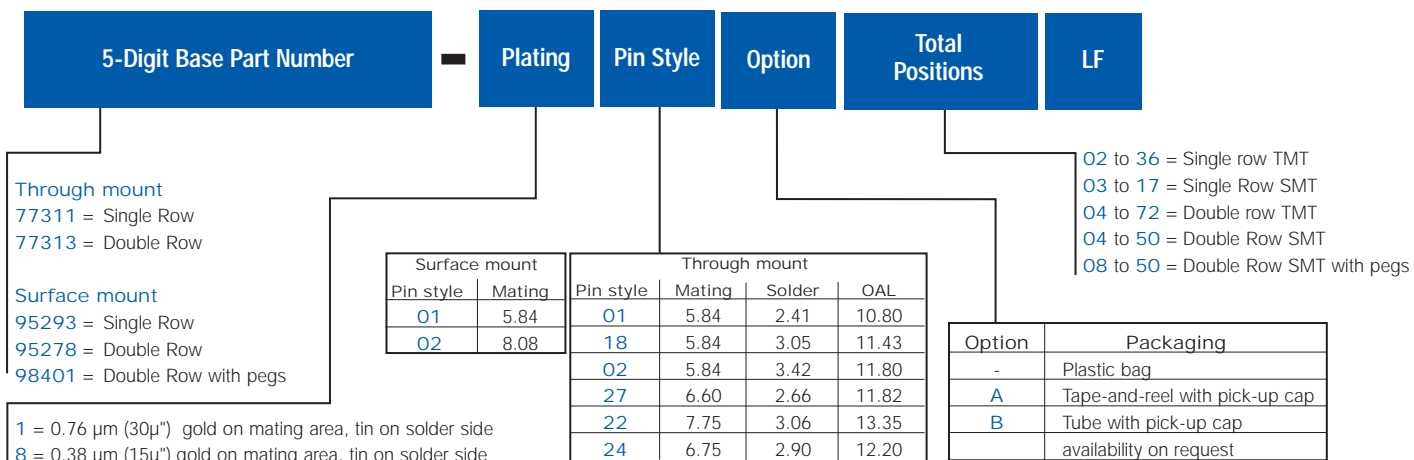
This product is RoHs compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



2.54 mm (.100")

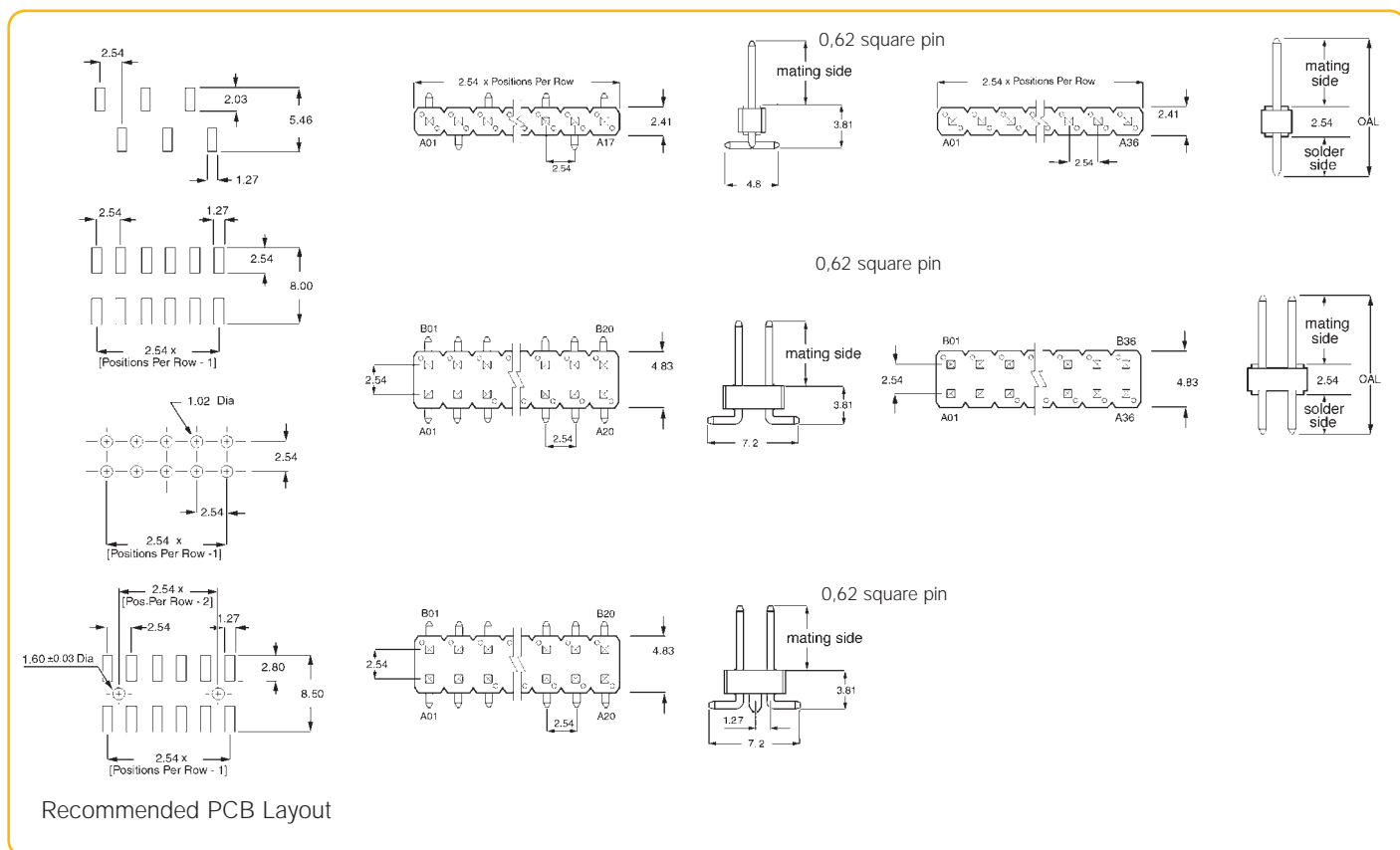
## PART NUMBER



77311	-	101	-	XXLF
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

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



Dimensions in mm

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

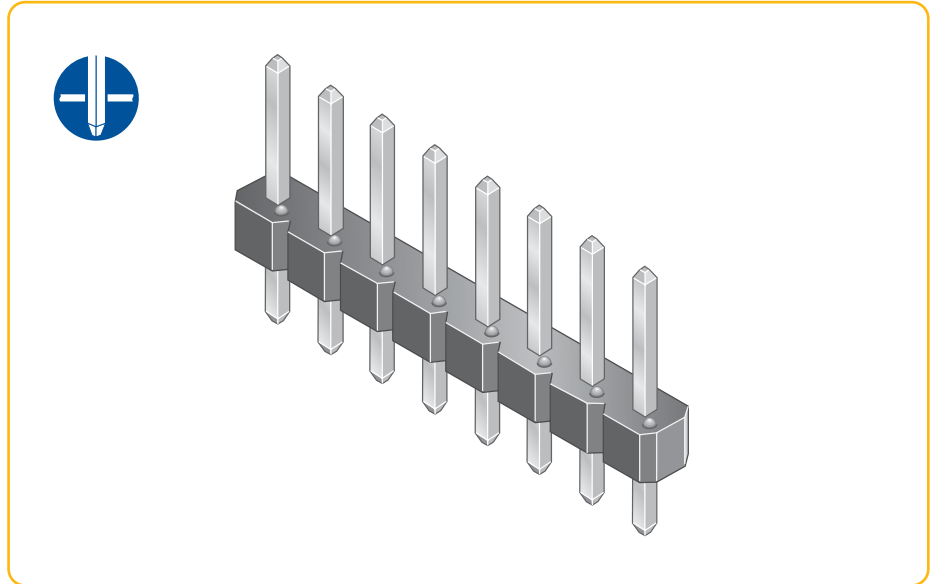
- Standard: Bags
- Optional: Tubes or Tape-and-reel with pick-up cap

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



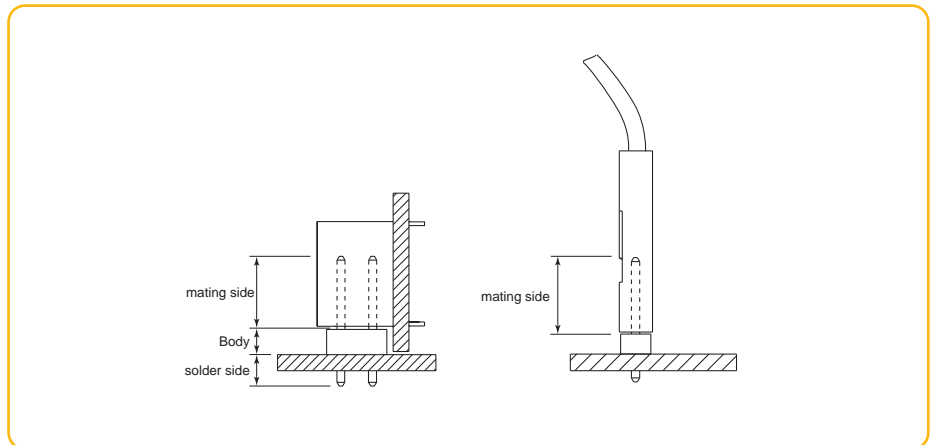
PROCESSING INFORMATION

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

RoHS INFORMATION

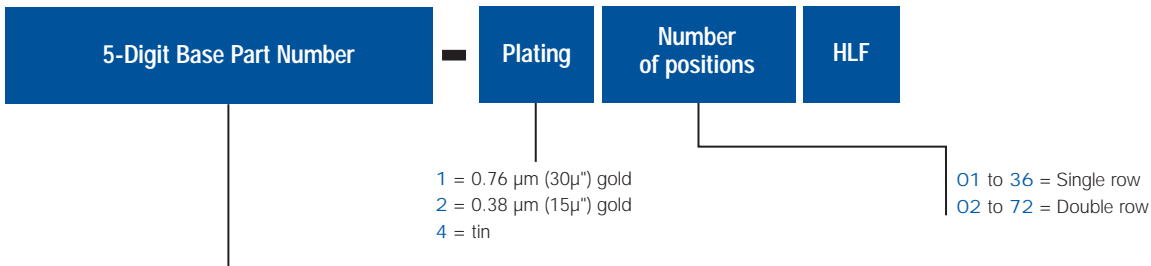
This product is RoHS compatible according to the European Union Directive 2002/95/IEC

TYPICAL APPLICATIONS



2.54 mm (.100")

## 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

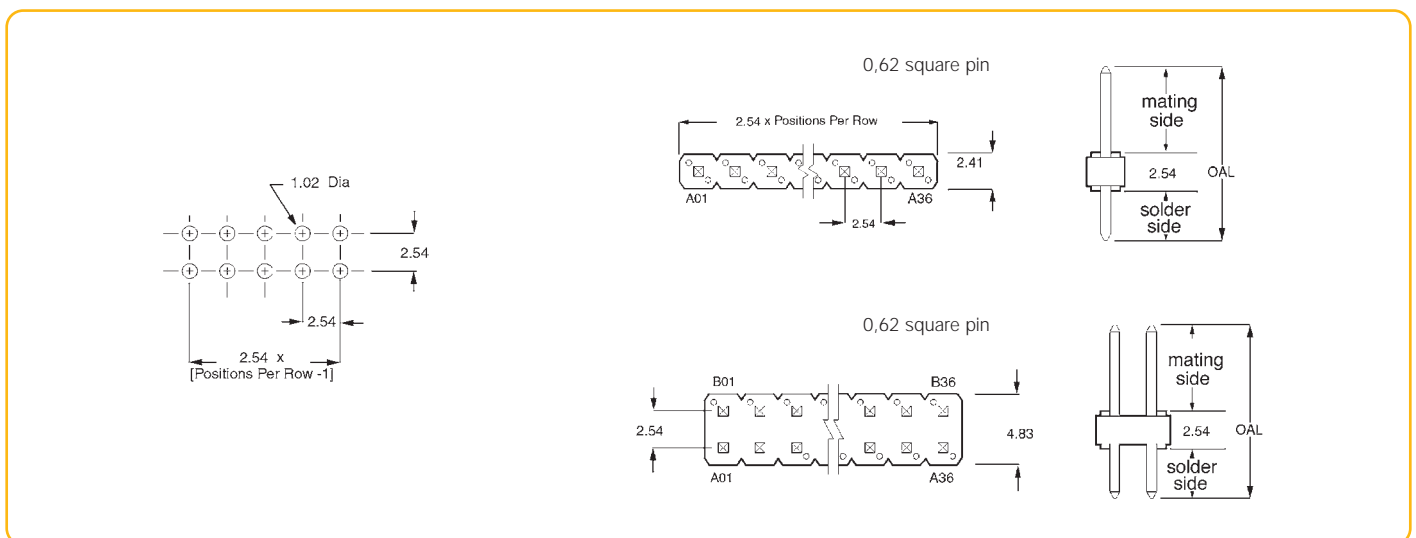
68000 — 1XXHLF  
 68001 — 1XXHLF  
 68002 — 1XXHLF  
 XX = 04, 06, 08, 10, 12, 16, 20

**CORE RANGE**

67996 — 1XXHLF  
 67997 — 1XXHLF  
 68602 — 1XXHLF  
 XX = 04, 06, 08, 10, 12, 16, 20

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
- Benchtop 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  $\mu\text{m}$  (50  $\mu\text{in}$ ) nickel



### Electrical Performance

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

### Mechanical Performance

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

### Operating Temperature Range

- 65°C to +125°C

### Packaging

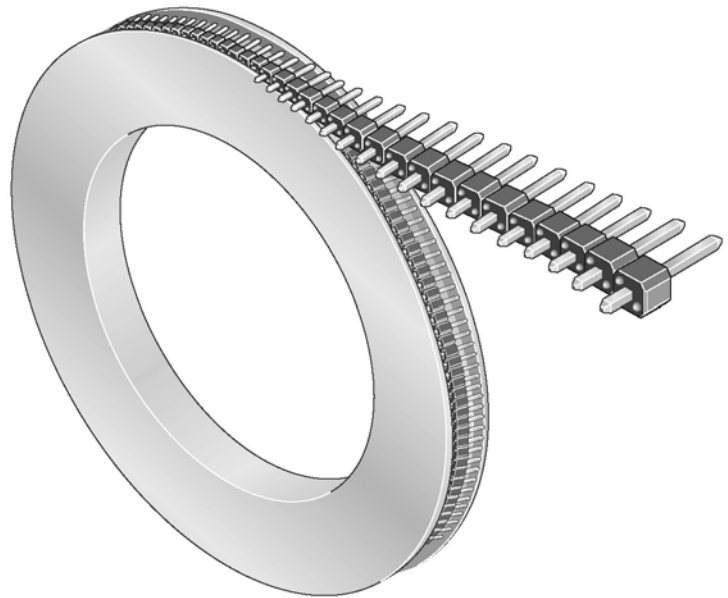
- Reel

### 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



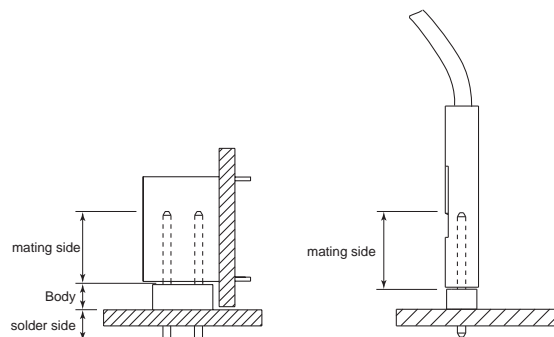
## PROCESSING INFORMATION

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.

2.54 mm (.100")

## PART NUMBER



1 = 0.76  $\mu\text{m}$  (30 $\mu$ ) gold  
 2 = 0.38  $\mu\text{m}$  (15 $\mu$ ) gold  
 4 = tin

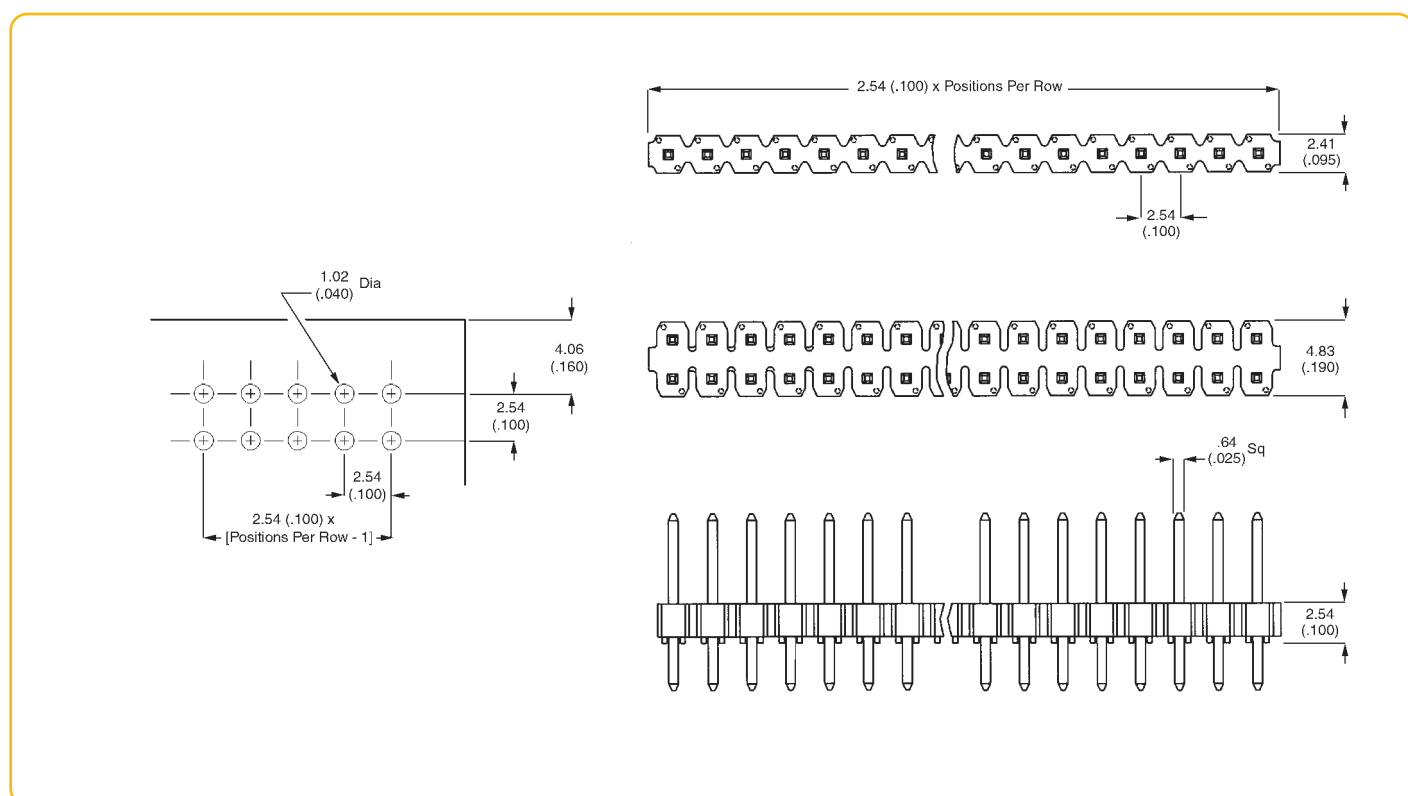
### Single Row

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



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 (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.

Operating Temperature Range

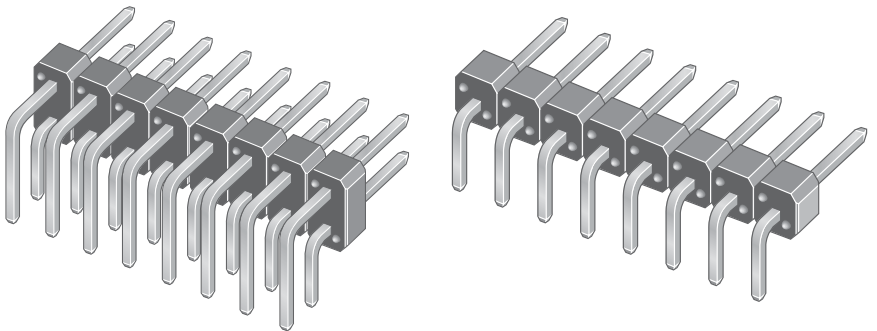
- 65°C to +125°C

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

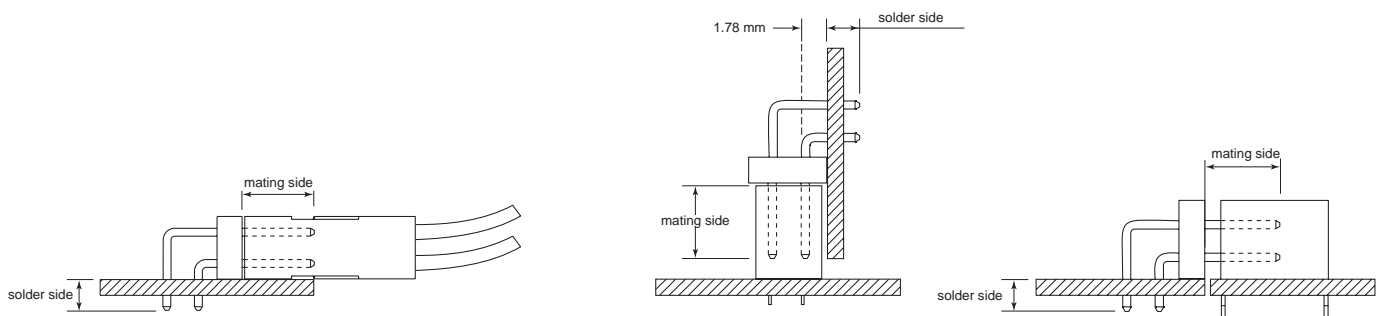
PROCESSING INFORMATION

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

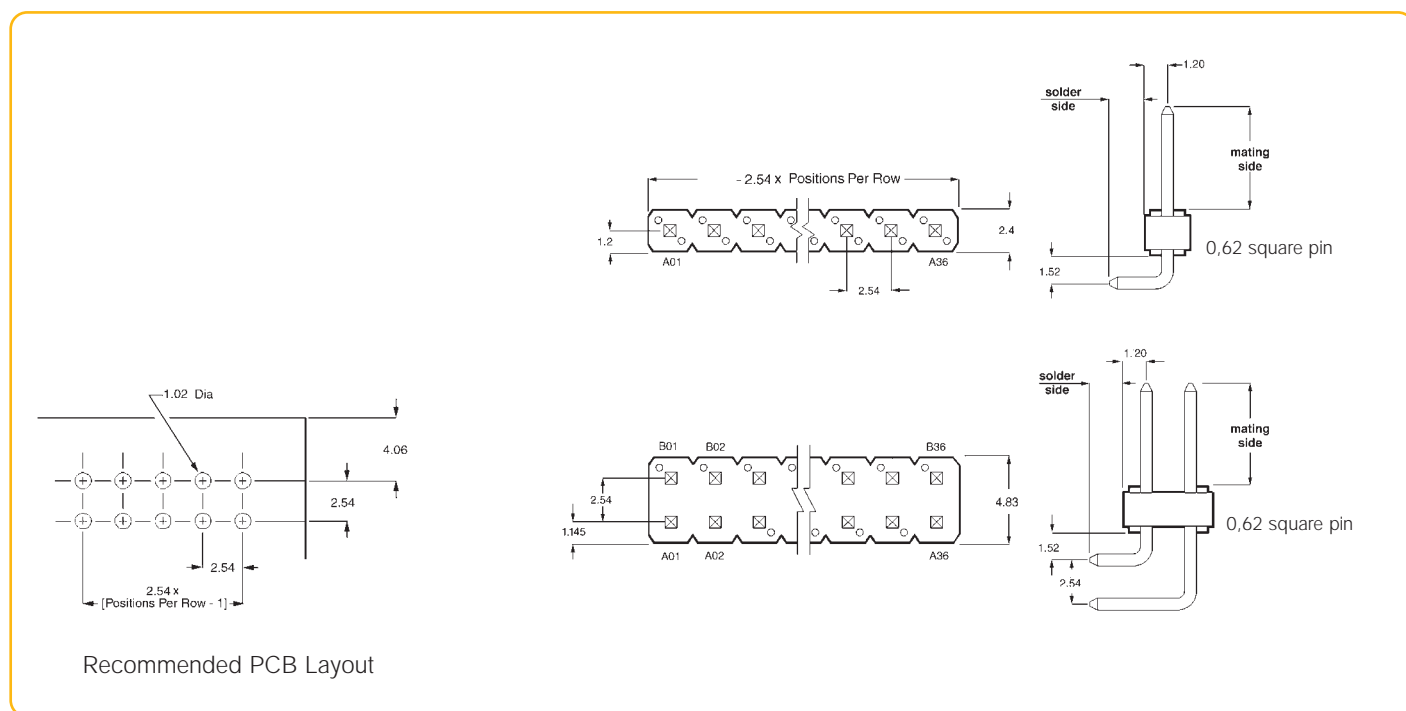
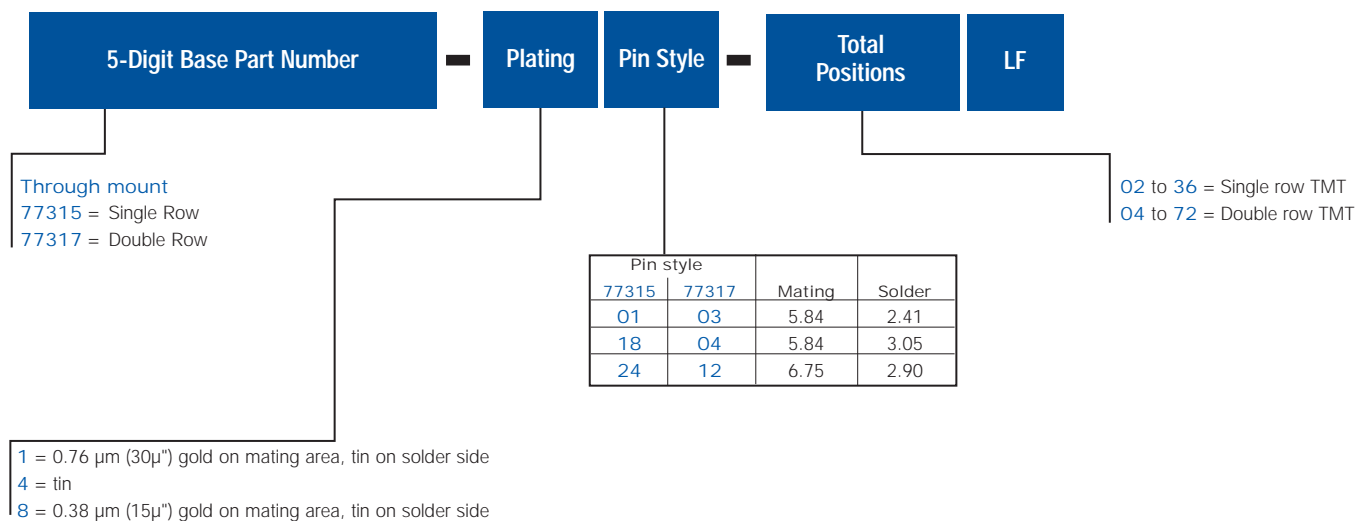
RoHs INFORMATION

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

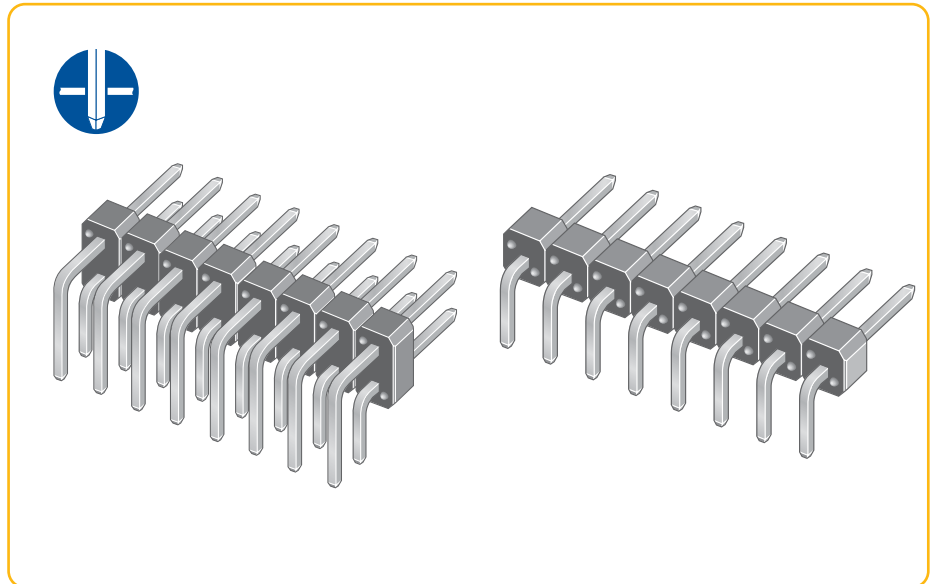
- -65°C to +125°C

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
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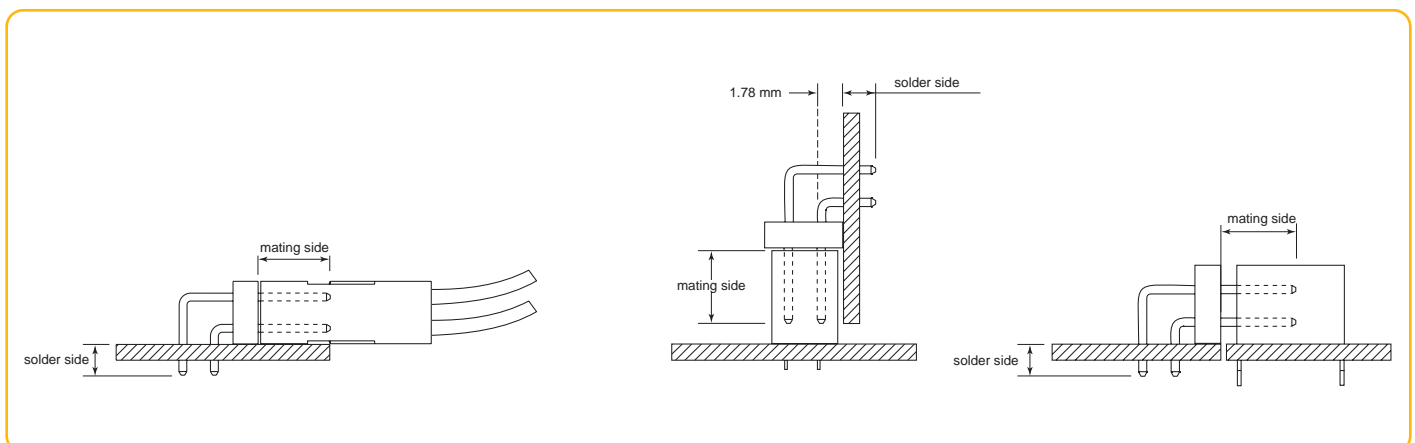
PROCESSING INFORMATION

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

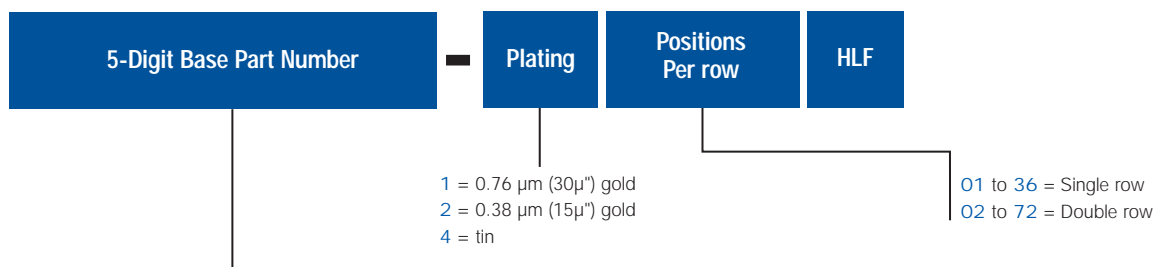
RoHs INFORMATION

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

TYPICAL APPLICATIONS



## PART NUMBER

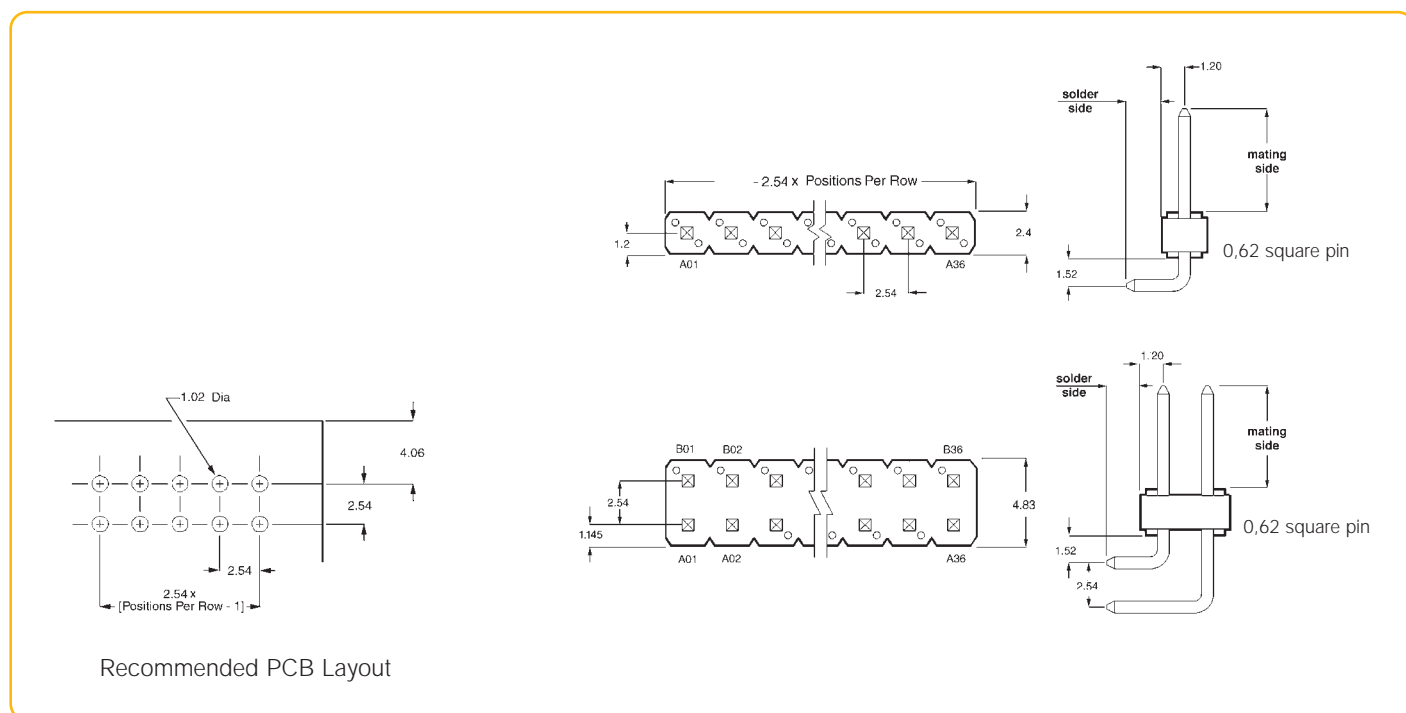


### Single Row

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



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

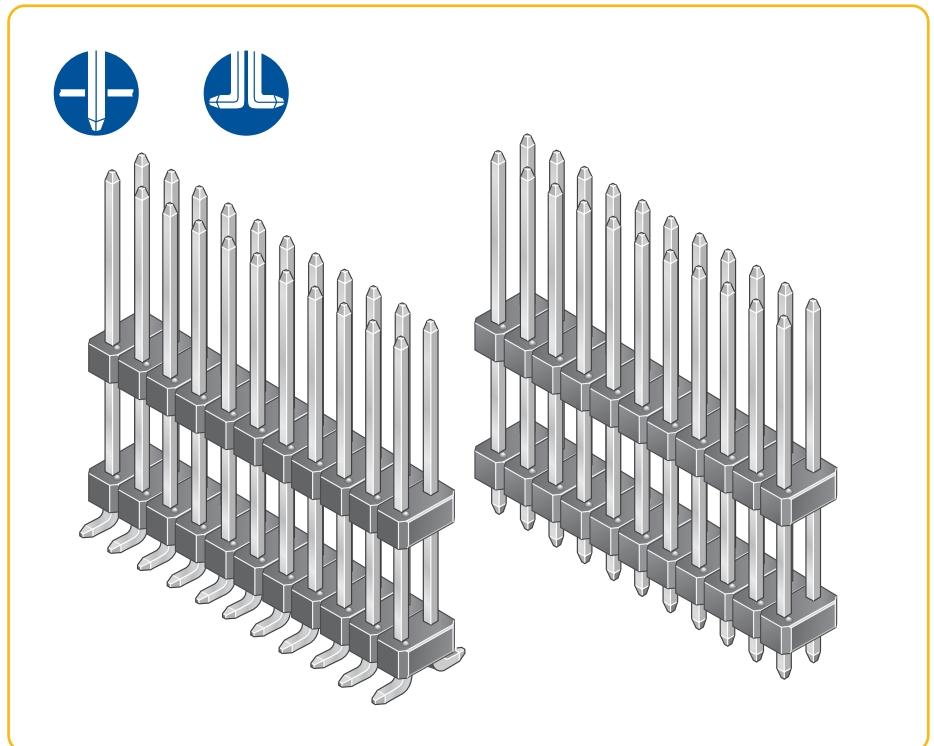
Product drawing: By 5-digit base part number

Product specification: BUS-12-114

Specifications subject to change without notice.

## MATING DATA

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



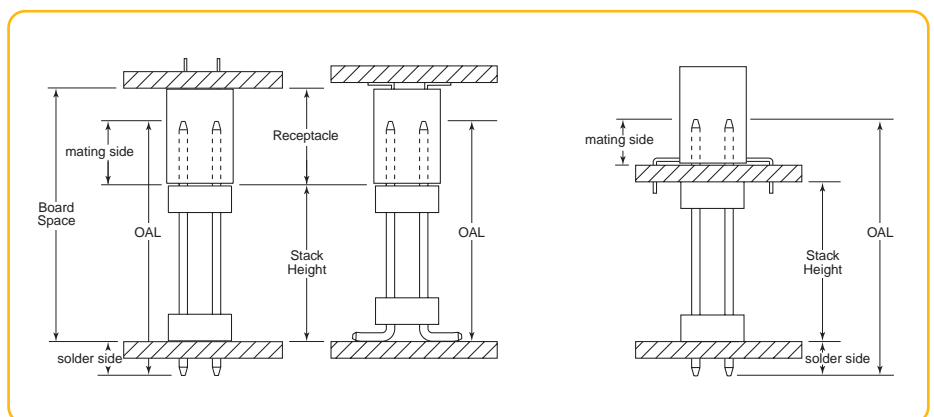
## PROCESSING INFORMATION

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

## RoHS INFORMATION

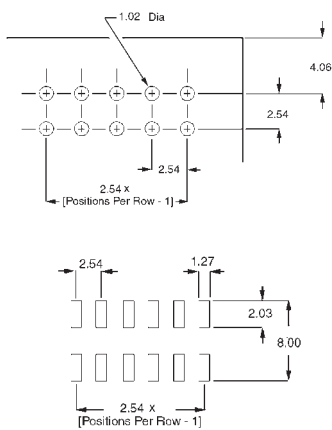
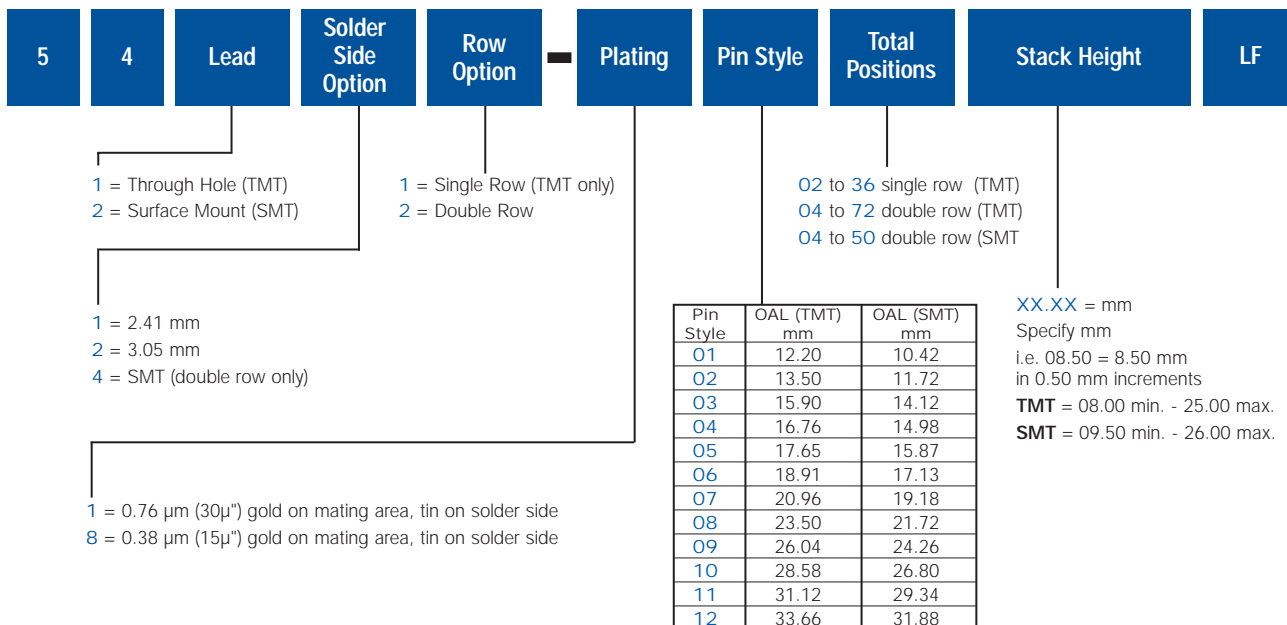
This product is RoHS compatible according to the European Union Directive 2002/95/IEC

## TYPICAL APPLICATIONS

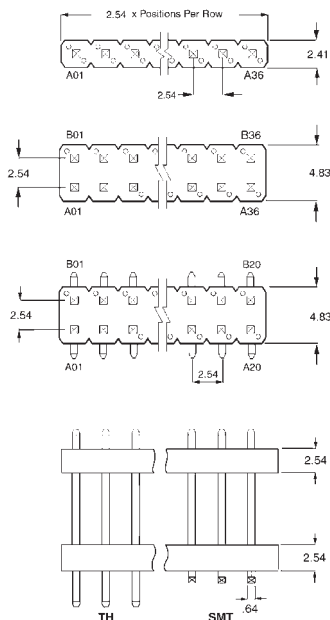


2.54 mm (.100")

## PART NUMBER



Recommended PCB Layout



### Step-by-Step Design

- Determine desired board spacing (0.50 mm increments)
- Select Dubox™ receptacle and calculate stack height  
Stack Height = Board Spacing - Receptacle Height
- Find the insertion depth from the chart below.  
Calculate max./min. OAL  
OAL = Stack Height + solder side + Insertion Depth
- 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:

- Application requires a board spacing of 22.50
- Select the Dubox™ Low Profile Receptacle with height of 7.00  
The Header Stack Height is 22.50 - 7.00 = 15.50
- 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
- Select Pin Style 08 with OAL = 23.50
- Part Number is 54122-108721550LF

Dimensions in mm

2.54 mm (.100")



- ▶ 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  $\mu\text{m}$  (50  $\mu\text{in}$ ) nickel



### 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  $\Omega\text{m}$  max. after environmental tests
- ▶ Dielectric withstanding voltage: 800 V

### Mechanical Performance

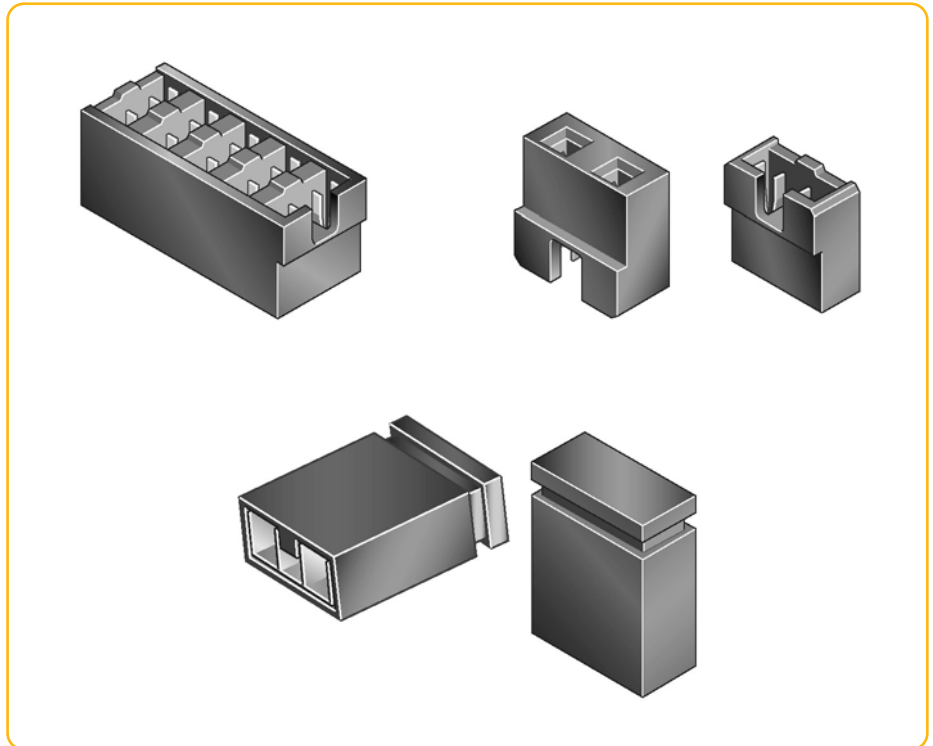
- ▶ Mating cycles (durability): 50-Gold  
25-Tin.
- ▶ Insertion force:  
450 gf max. per gold contact  
500 gf max. per tin-lead contact
- ▶ Withdrawal force:  
30 gf min. per gold contact  
30 gf min. per tin-lead contact

### 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  $\mu\text{m}$  (30 $\mu\text{in}$ ) gold  
3 = tin

### Standard



2 = 0.76  $\mu\text{m}$  (30 $\mu\text{in}$ ) gold  
3 = tin

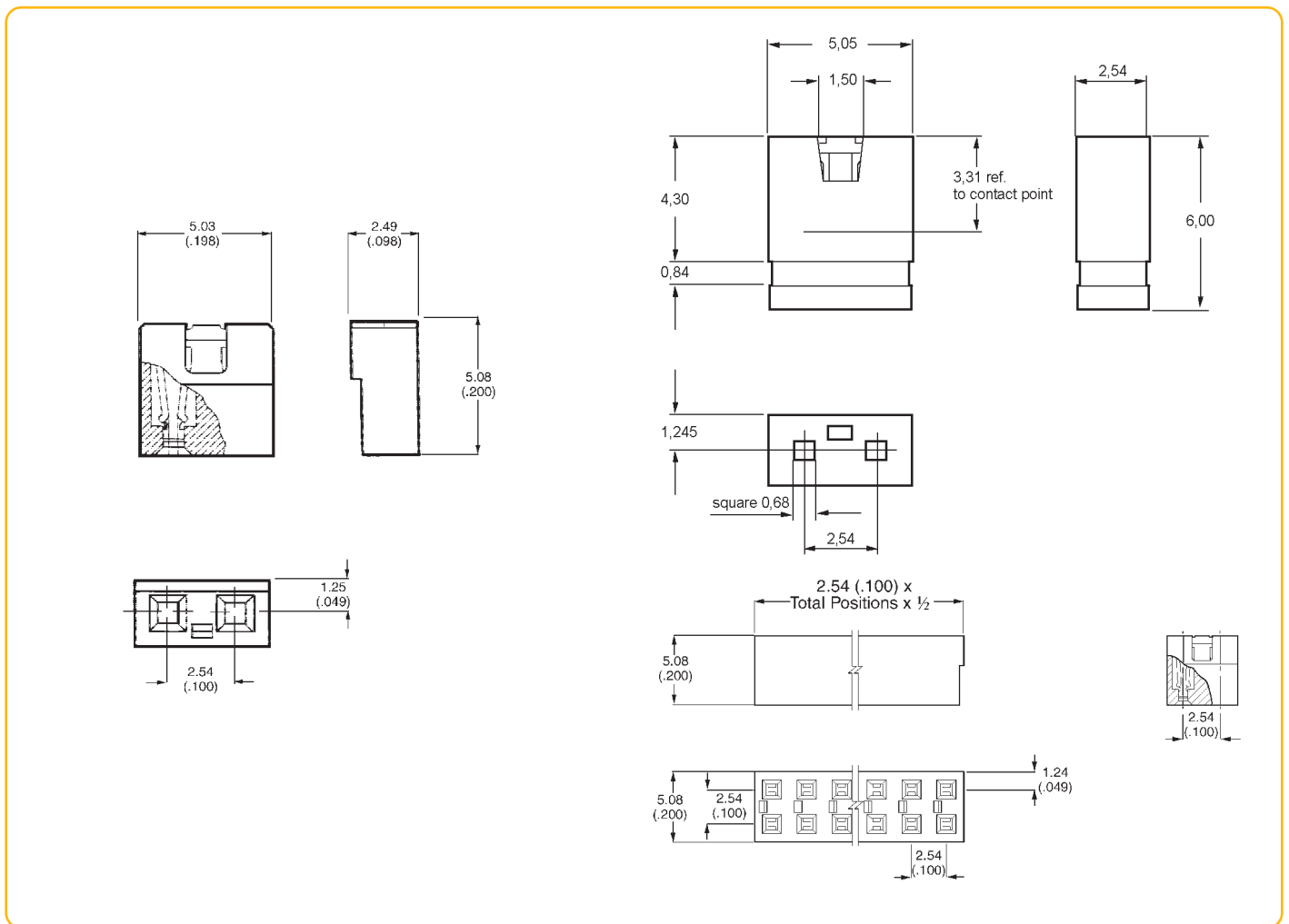
### Multi-position



2 = 0.76  $\mu\text{m}$  (30 $\mu\text{in}$ ) gold  
3 = tin  
1 to 20 positions

68786 - 202 - LF **CORE RANGE**

68786 - 302LF  
63429 - 202LF **PRIORITY PART**



2.54 mm (.100")

# Dubox™ 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 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:  $1 \times 10^5$  M $\Omega$  min.
- ▶ Contact resistance: 15 m $\Omega$  max. initial, 20 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°C

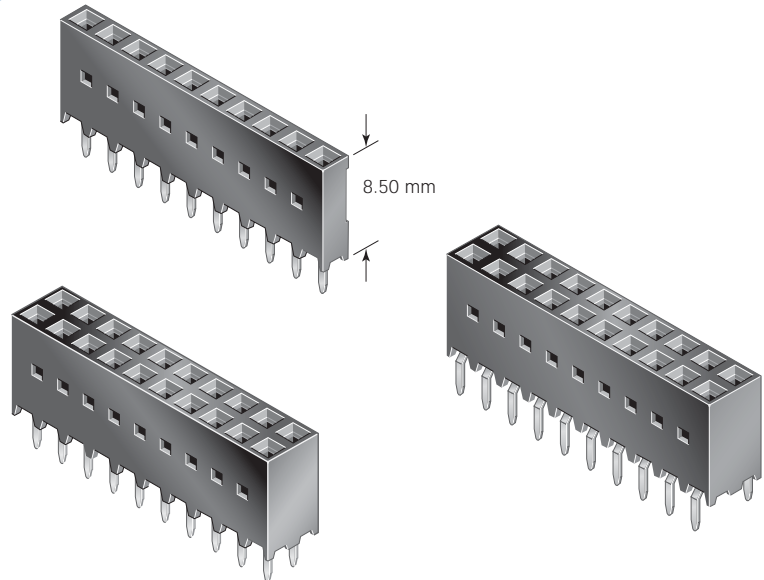
### Packaging

- ▶ 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

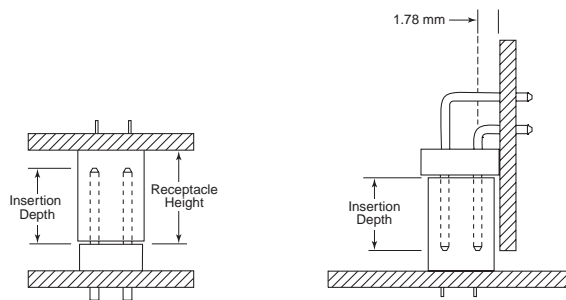
## PROCESSING INFORMATION

- ▶ Compatible with wave soldering processes

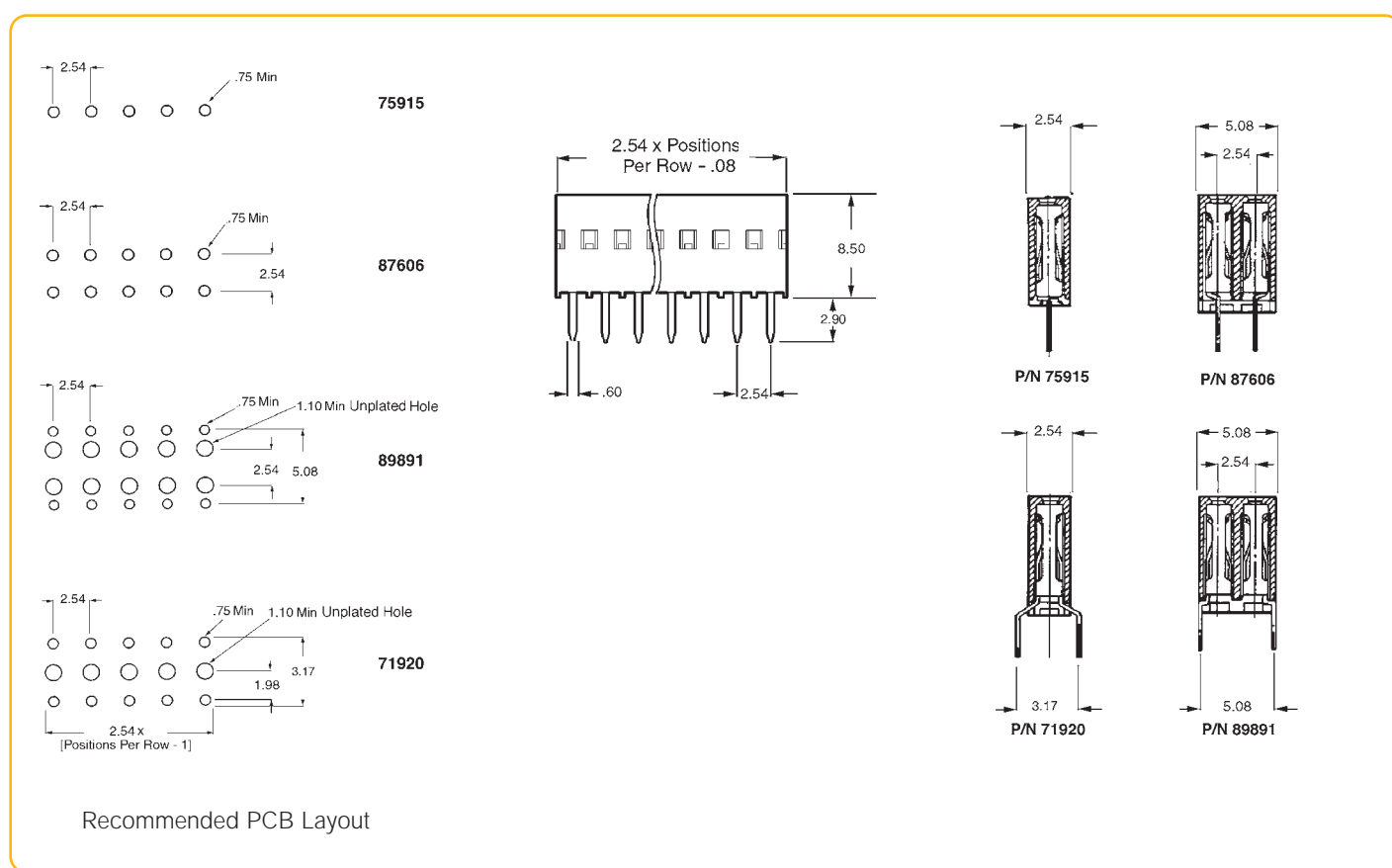
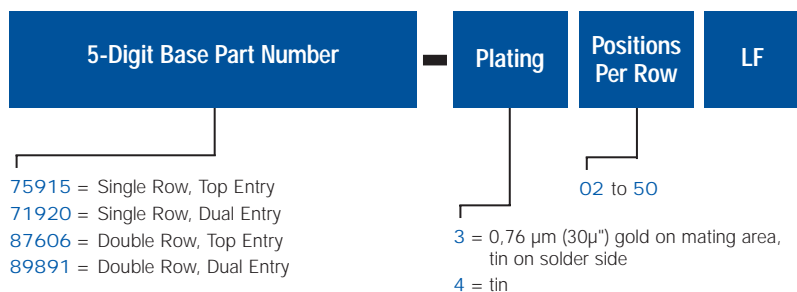
## RoHS INFORMATION

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

## TYPICAL APPLICATIONS



## PART NUMBER



Dimensions in mm

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:  $1 \times 10^5$  MΩ min.
- ▶ Contact resistance: 15 mΩ max. initial, 20 mΩ max. after environmental tests
- ▶ Dielectric withstanding voltage: 1000 V rms

### Mechanical Performance

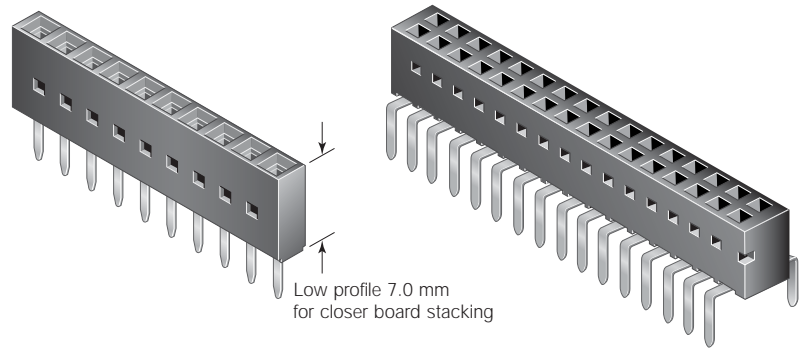
- ▶ Mating cycles (durability): 200
- ▶ Insertion force per gold contact: 1.50 N (150 gf) avg.
- ▶ Withdrawal force per gold contact: 0.30 N (30 gf) min.

### 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

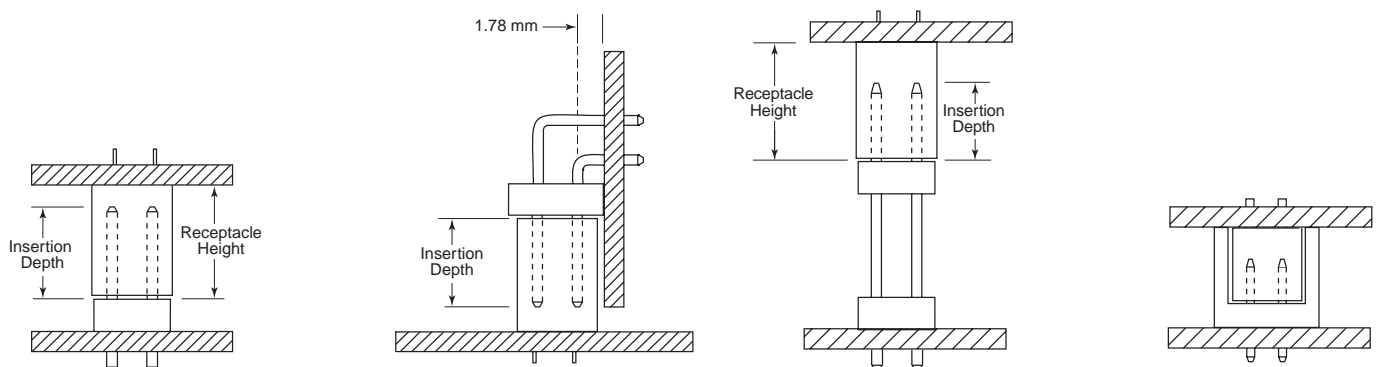
### PROCESSING INFORMATION

- ▶ Compatible with wave soldering processes

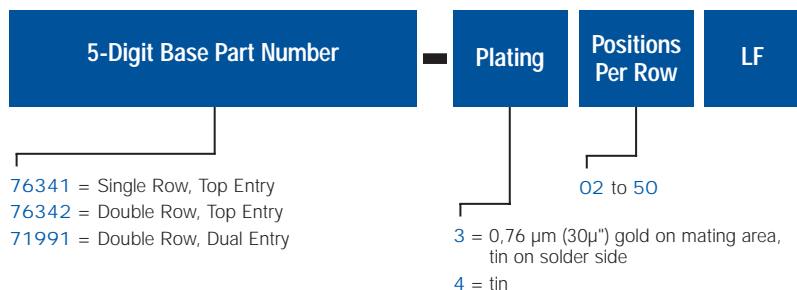
### RoHS INFORMATION

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

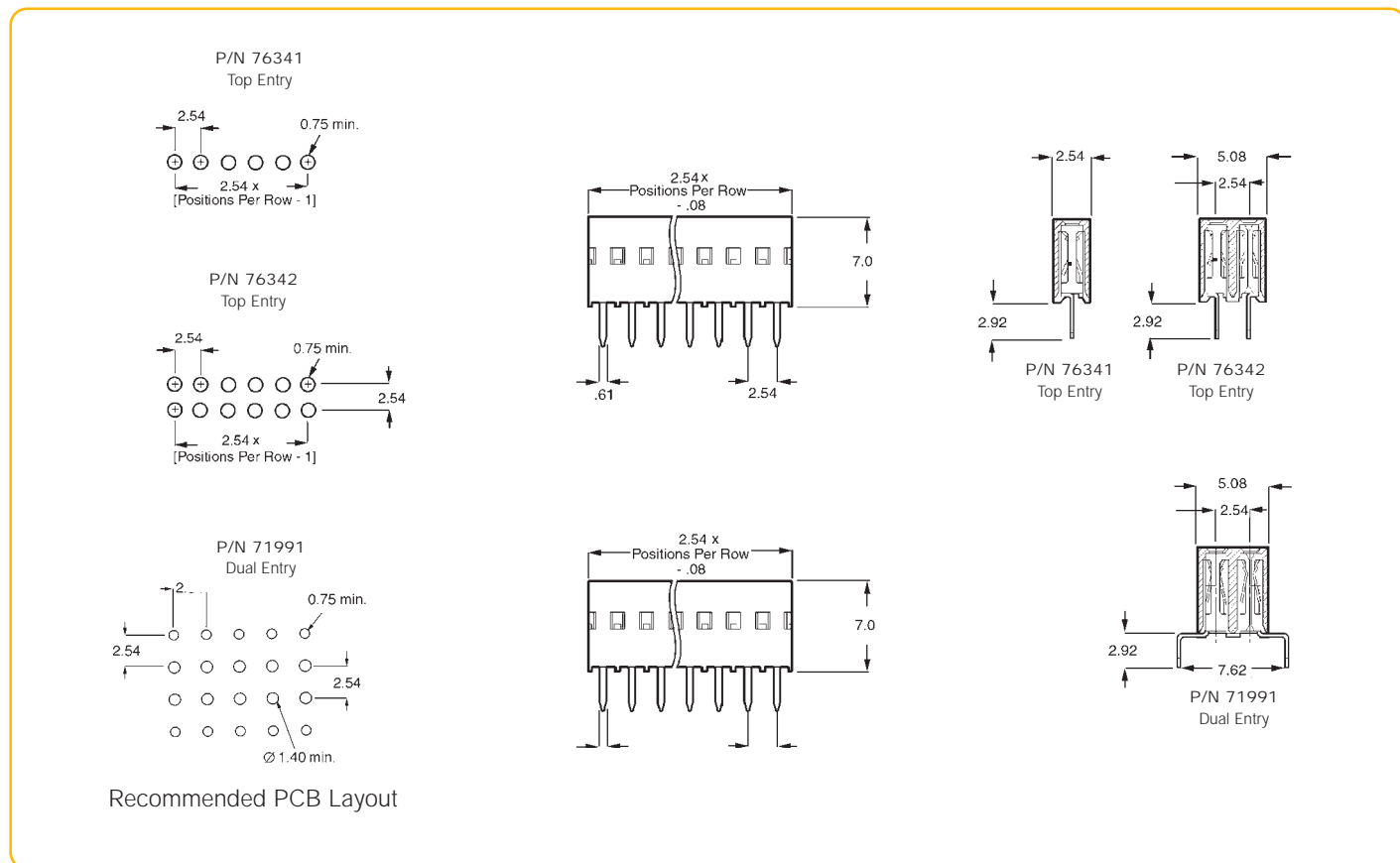
## TYPICAL APPLICATIONS



## PART NUMBER



71991 - 3XXLF  
XX = 05 - 20



2.54 mm (.100")

Dimensions in mm

# 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 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: 1x 10<sup>5</sup> 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

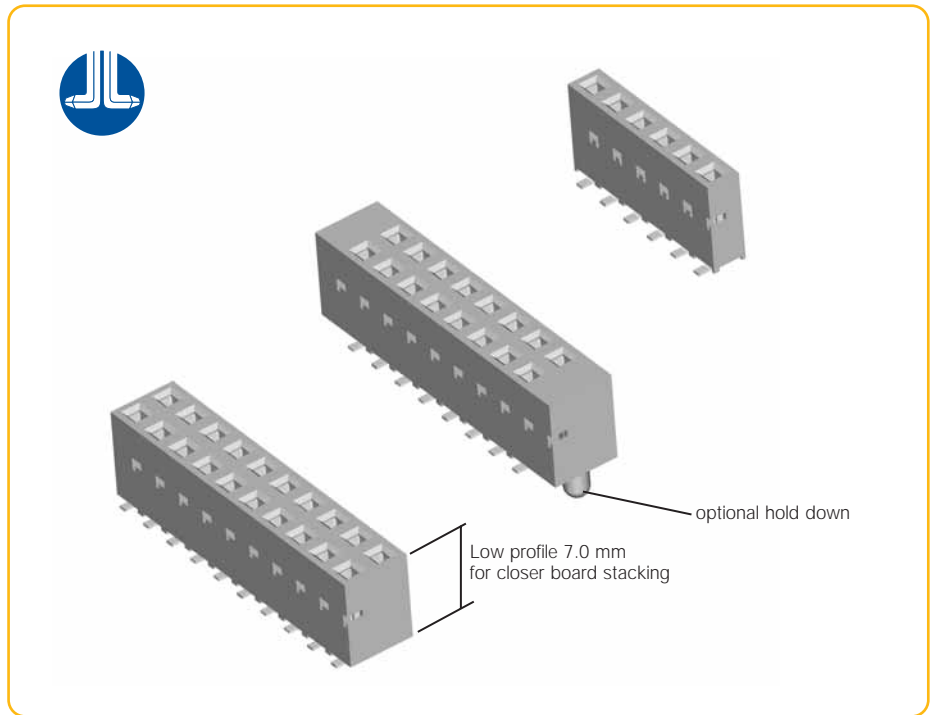
- ▶ -65°C to +125°C

### 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

- ▶ 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

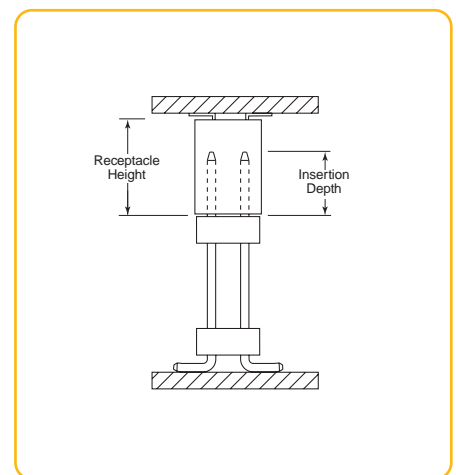
## PROCESSING INFORMATION

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

## RoHS INFORMATION

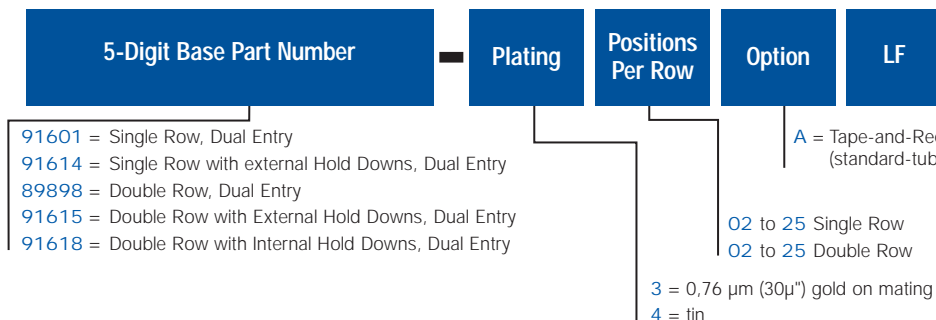
This product is RoHS compatible according to the European Union Directive 2002/95/IEC

## TYPICAL APPLICATIONS



2.54 mm (.100")

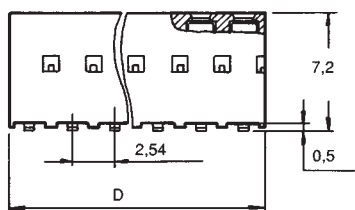
## PART NUMBER



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

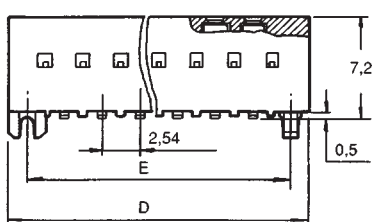
**89898 - 3XXALF** **PRIORITY PART**  
XX = 11 - 20

### Standard



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

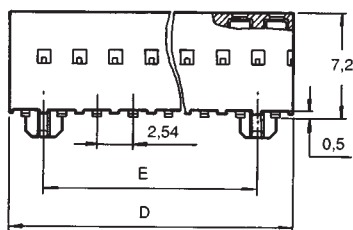
### External Hold Downs



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

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

### Internal Hold Downs

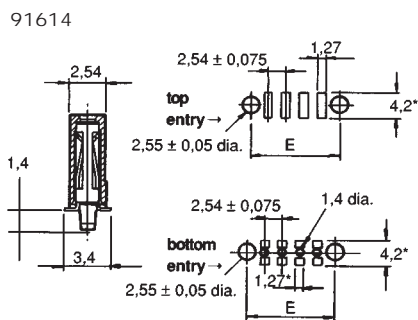
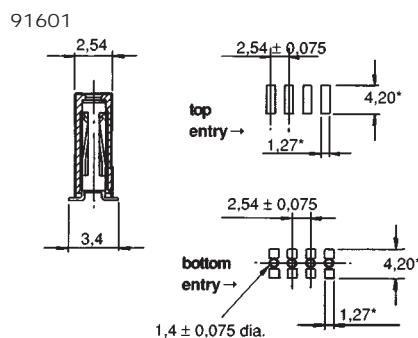


$$D = (\text{no. of pos. per row} \times 2,54) - 0,08$$

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

Dimensions in mm

### Single Row + Pad lay-outs

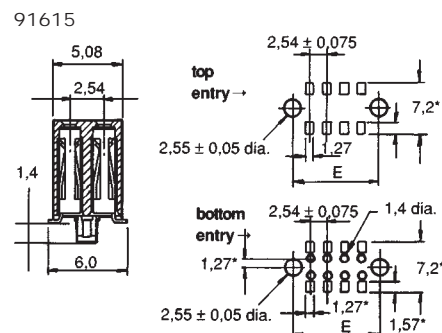
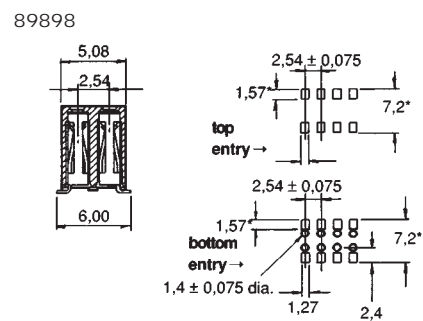


\*Note: available as of 3 position versions

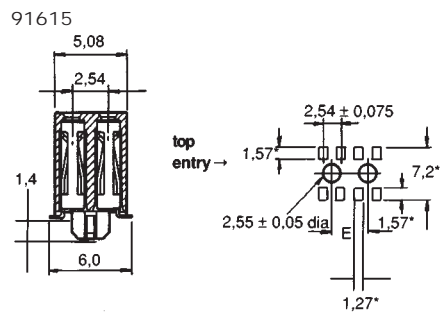
not available in single row

Note:  
All dimensions marked with \*  
are minimum dimensions

### Double Row + Pad lay-outs



\*Note: available as of 3 position versions



\*Note: available as of 6 number of positions

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: 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: 1x 10<sup>5</sup> 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

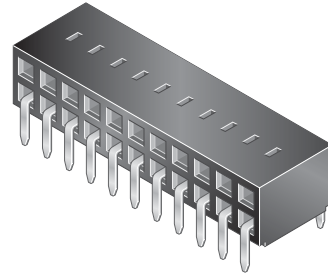
- ▶ -65°C to +125°C

#### 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]

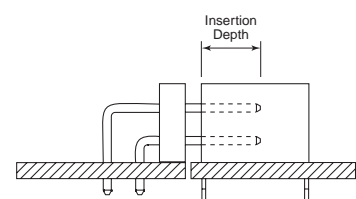
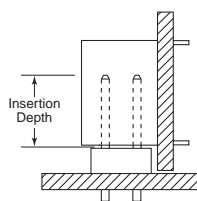
### PROCESSING INFORMATION

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

### RoHS INFORMATION

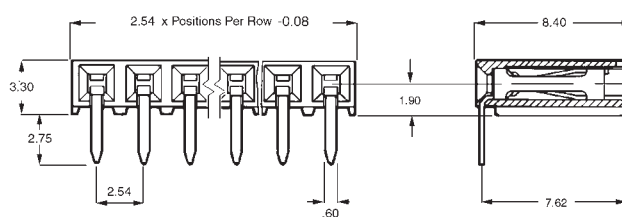
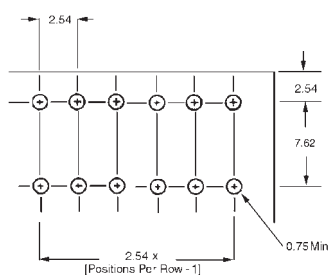
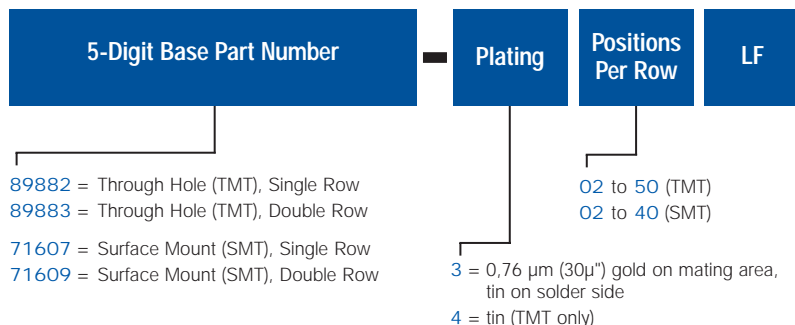
This product is RoHS compatible according to the European Union Directive 2002/95/IEC

### TYPICAL APPLICATIONS

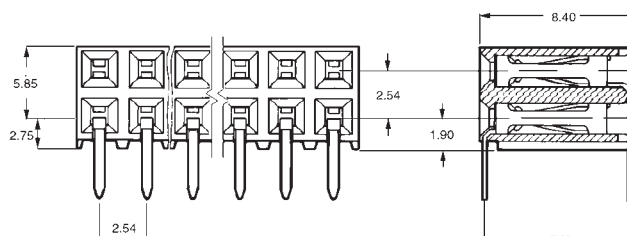


2.54 mm (.100")

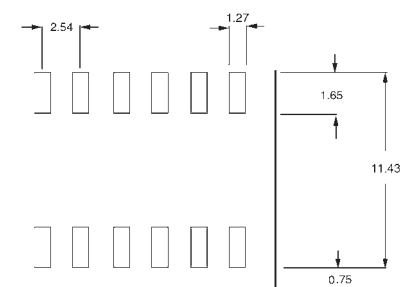
## PART NUMBER



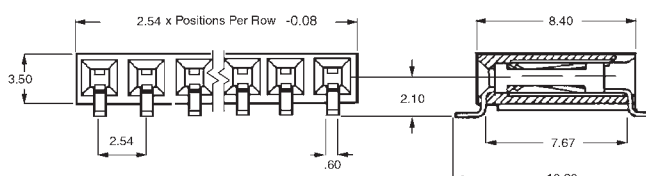
89882



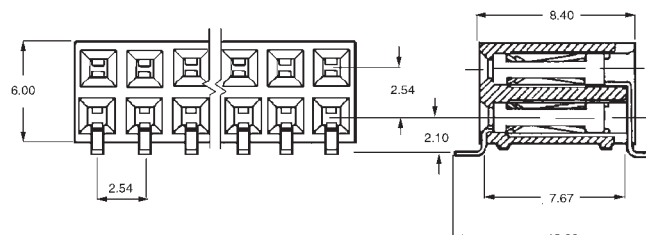
89883



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-miss-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:  $1 \times 10^5$  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

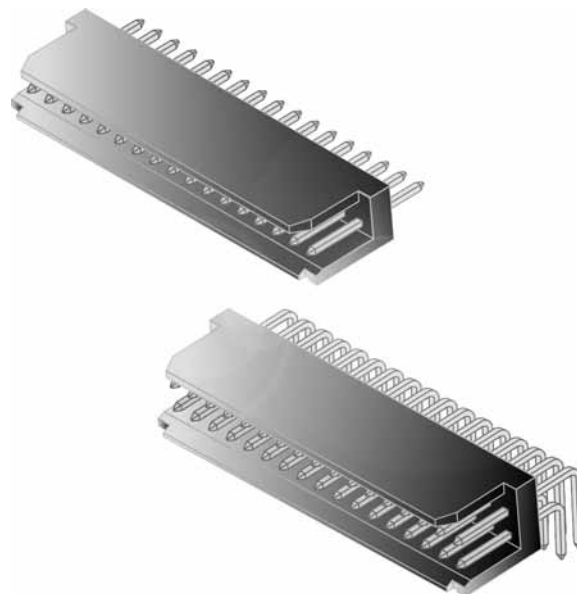
- ▶ Dubox™ Crimp-to-wire contacts 34
- ▶ Dubox™ Crimp-to-wire housings 36

## 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



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

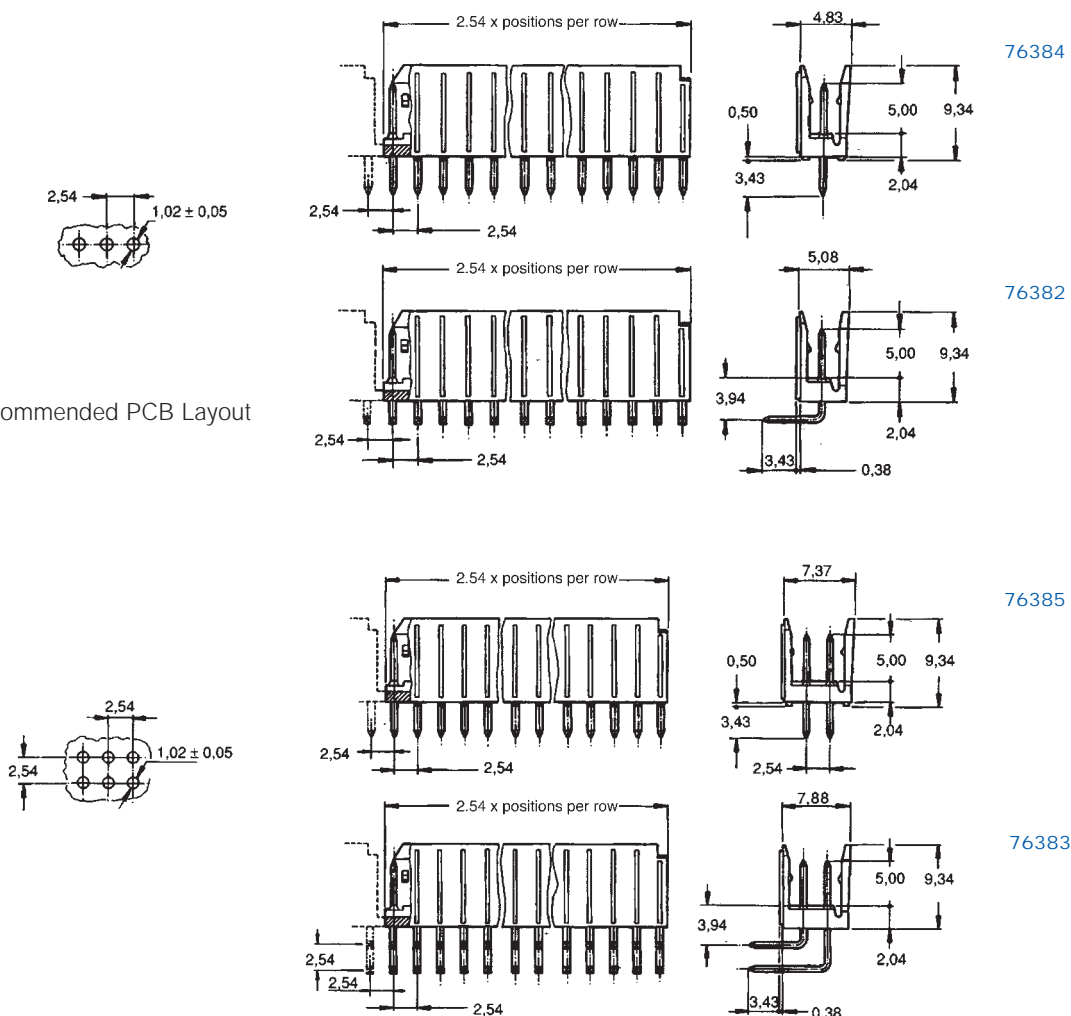
02 up to 18

3 = 0.76  $\mu\text{m}$  (30 $\mu$ ) gold on mating area, tin on solder side  
 4 = tin

76384 - 3XXLF **CORE RANGE**  
 76385 - 3XXLF  
 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



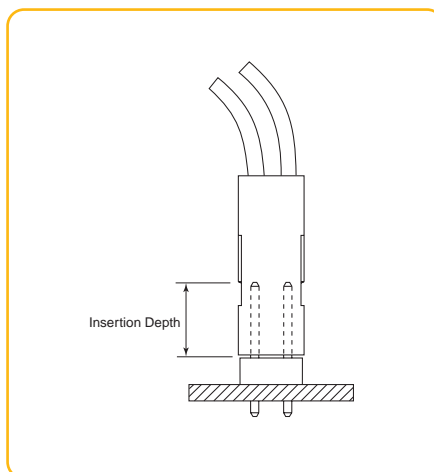
### INSERTION DEPTH

- ▶ 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

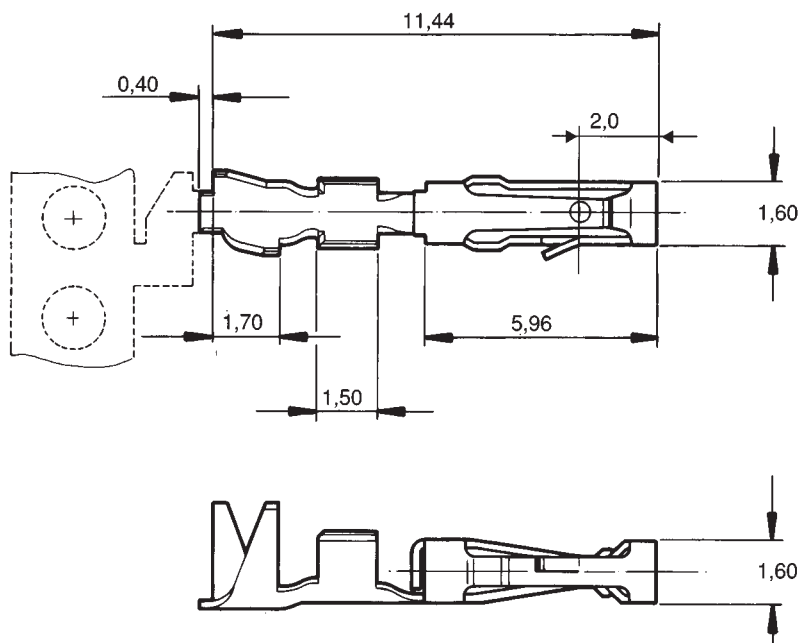
76347 - 301LF

**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 ± 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 reparability

### TECHNICAL DATA

#### Physical

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

#### Electrical Performance

- Insulation resistance: 1x 10<sup>5</sup> MΩ min
- Dielectric withstanding voltage: 1000 V rms

#### Operating Temperature Range

- 65°C to +125°C

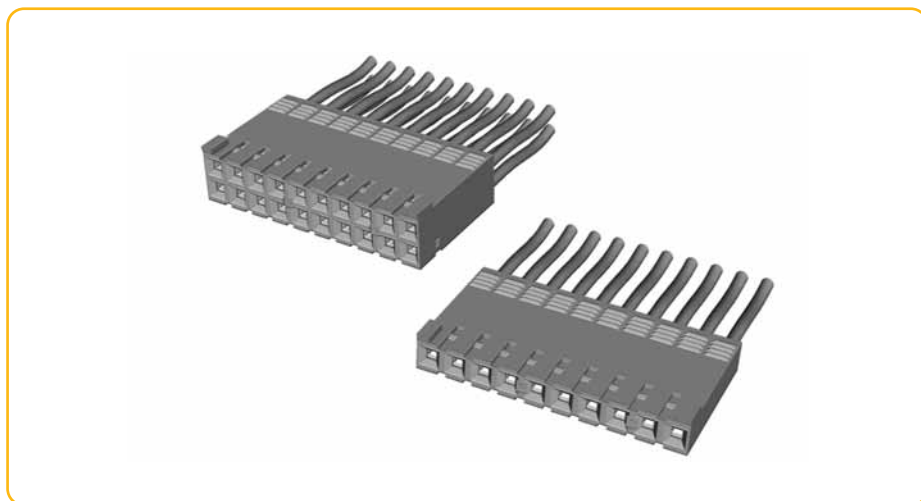
#### Packaging

- 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

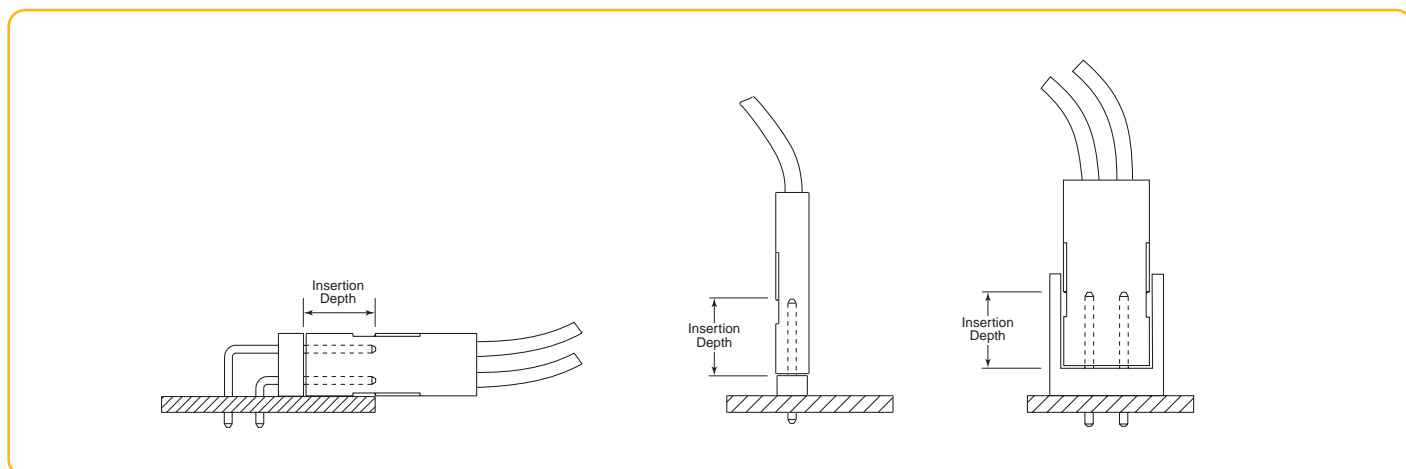
### INSERTION DEPTH

- 4.0 mm min. to 6.0 mm max.

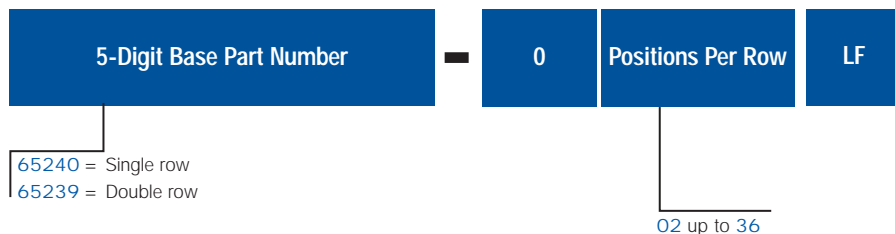
### RoHS INFORMATION

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

### TYPICAL APPLICATIONS



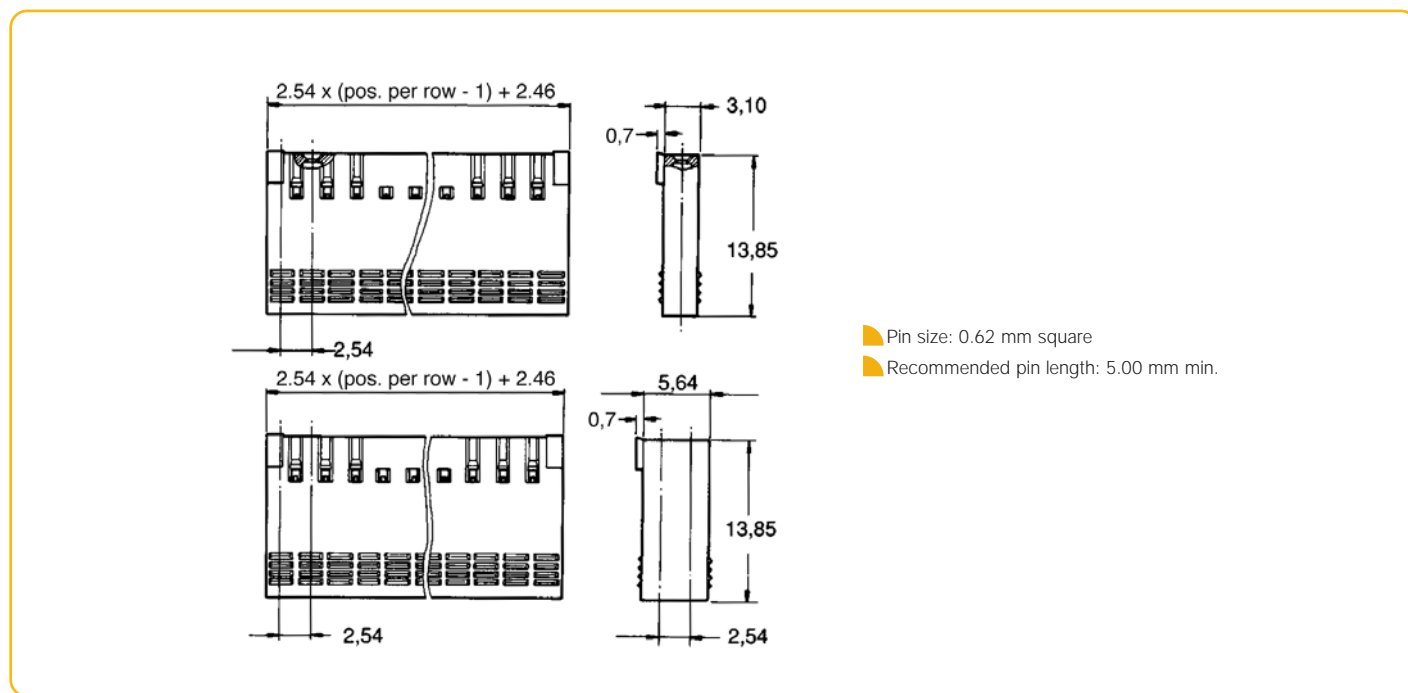
## PART NUMBER



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

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

65239 - 0XXLF **PRIORITY PART**  
XX = 02 - 18



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

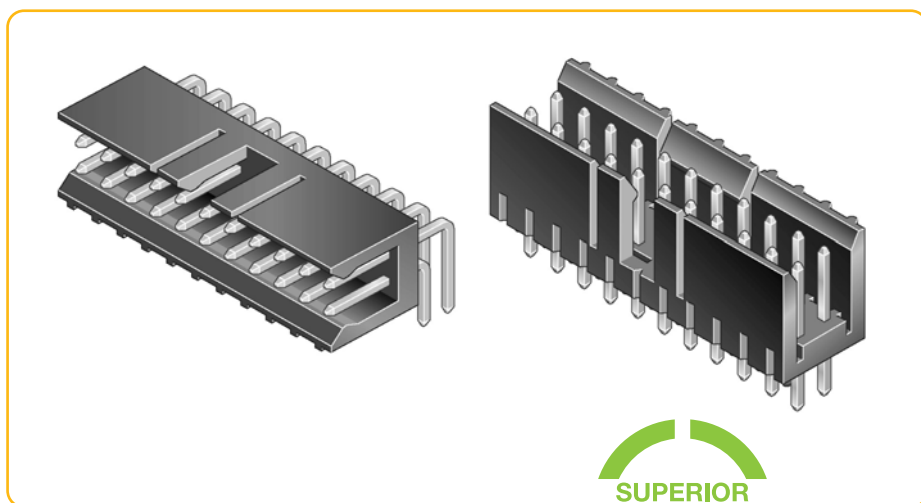
Specifications subject to change without notice.

## MATING DATA

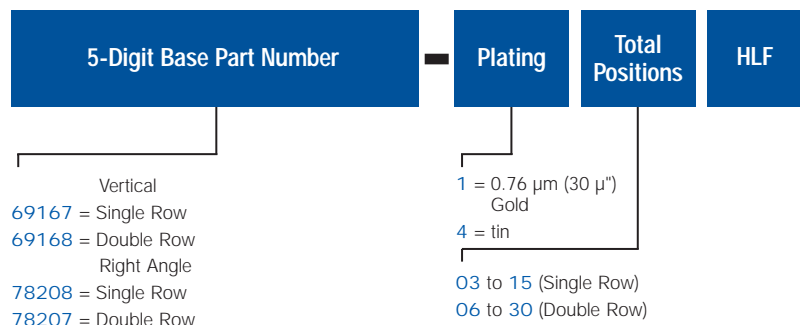
- ▶ PV™ Crimp-to-wire contact 40
- ▶ PV™ crimp-to-wire housings 42

## PROCESSING INFORMATION

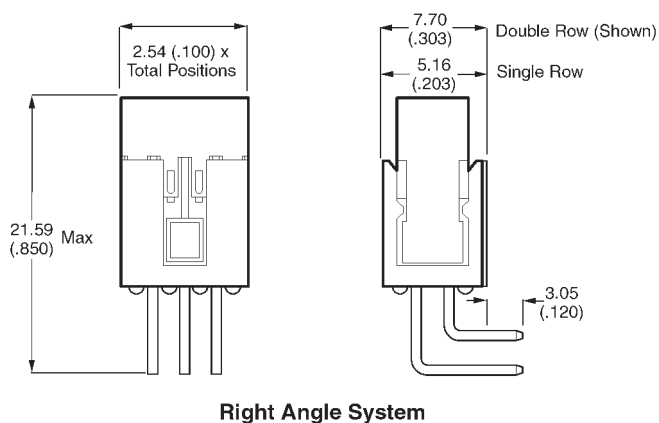
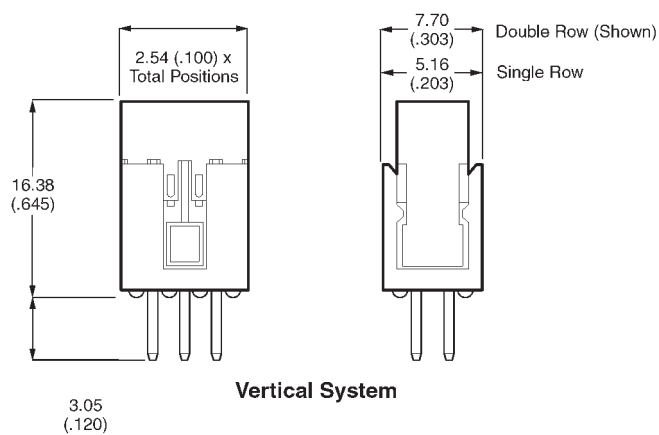
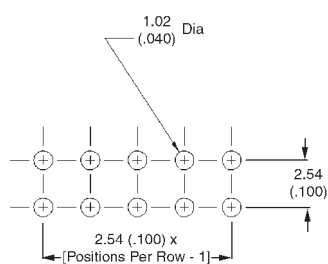
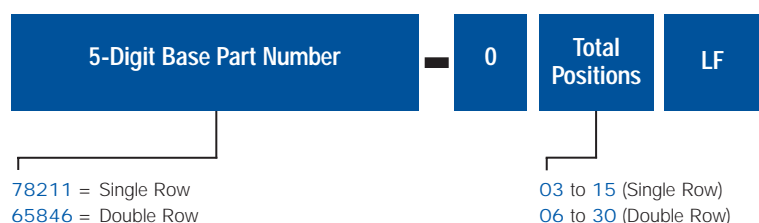
This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## 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  $\mu\text{m}$  (50  $\mu\text{in}$ ) 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

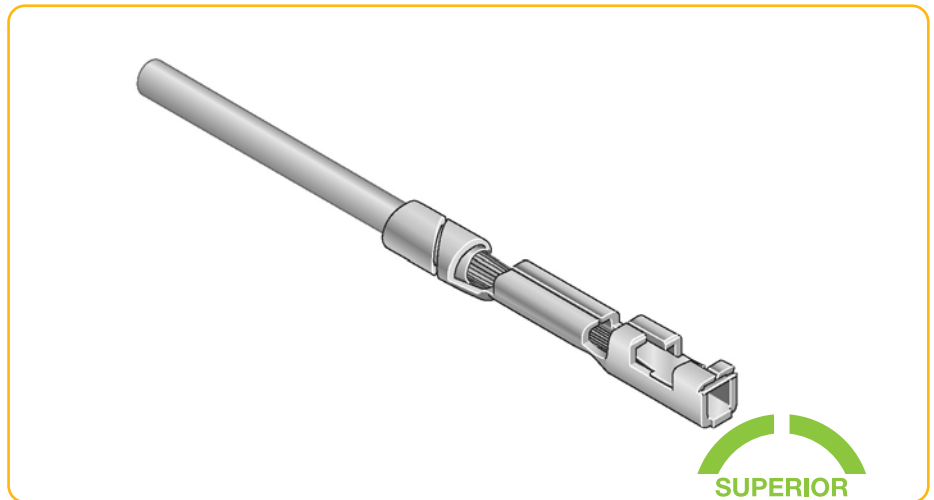
#### Reference Information

- 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

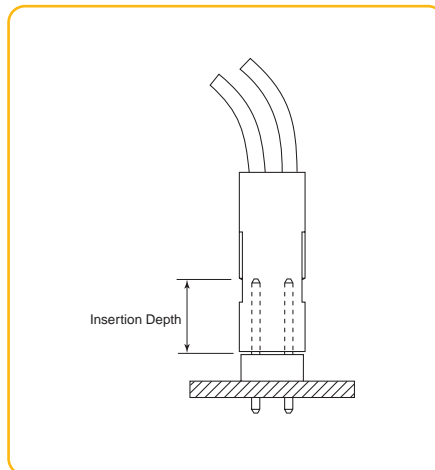
- Continuous unshrouded headers 14
- Unshrouded vertical headers 10, 12
- Unshrouded right angle headers 16



### 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



2.54 mm (.100")

## PART NUMBER

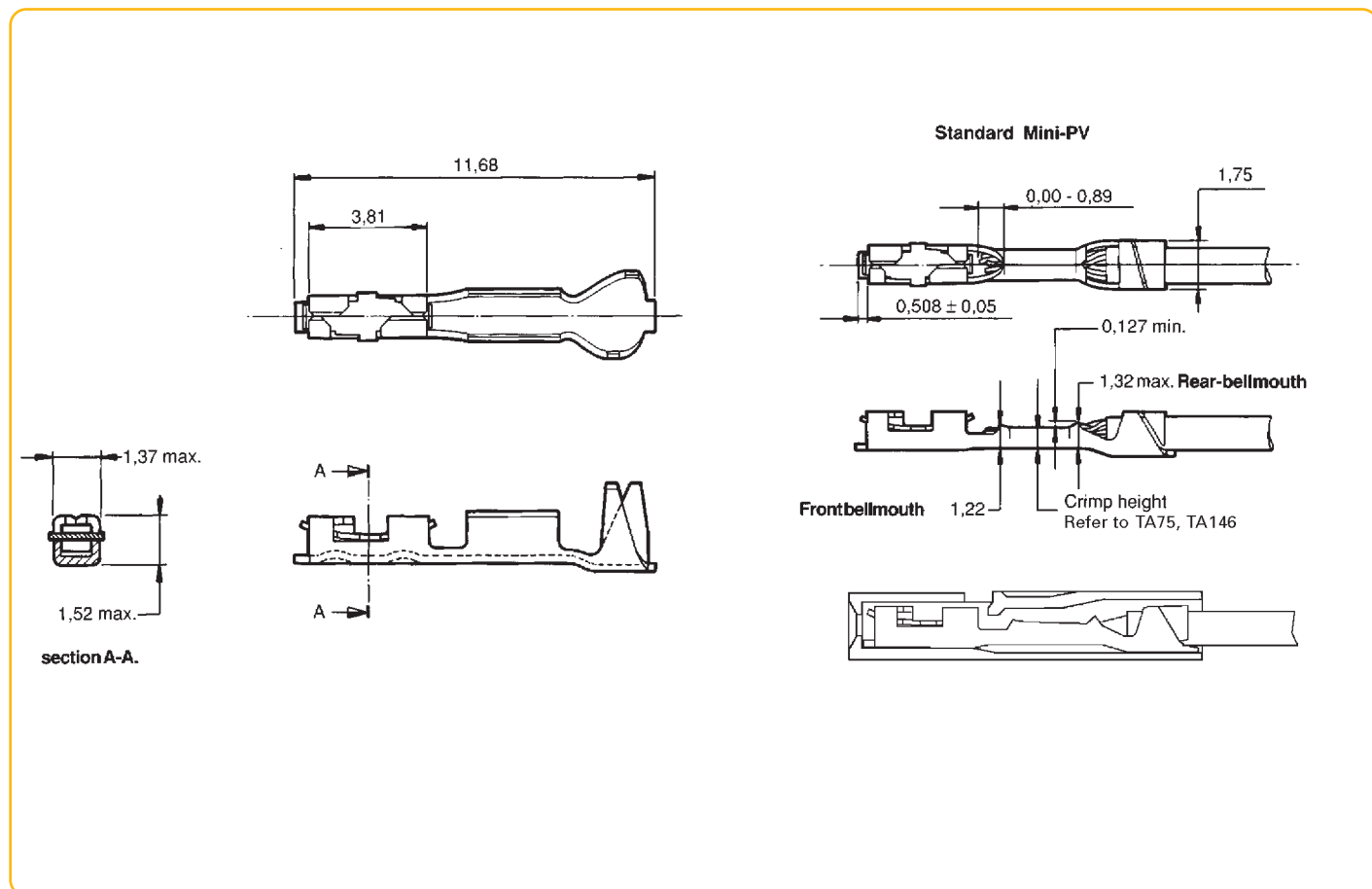


### HOW TO SELECT THE RIGHT CONTACT

- 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 or two 22 or two 24	Standard	48231-000
	High	48047-000
	Ultra High	48052-000
22, 24, 26 or two 26 or two 28	Standard	48049-000
	High	48046-000
	Ultra High	48051-000
28, 30, 32 or two 30 or two 32	Standard	48048-000
	High	48045-000
	Ultra High	48050-000
32, 34, 36	Standard	75543-015
	High	75543-013
	Ultra High	75543-017



Dimensions in mm



# 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 $\Omega$  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

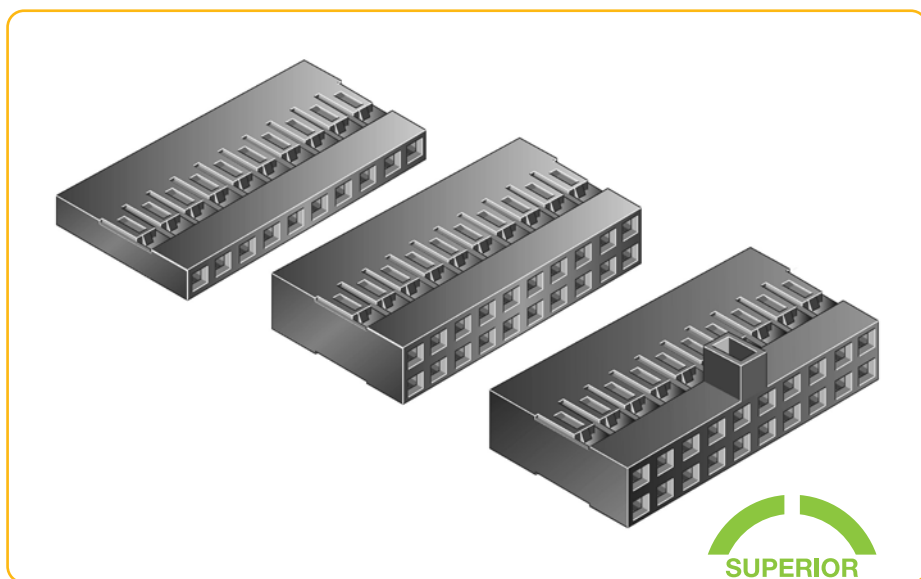
File no. LR46923

Product drawing: By 5-digit base part number

Product specification: BUS-12-067

Application specification: TA-531

Specifications subject to change without notice.



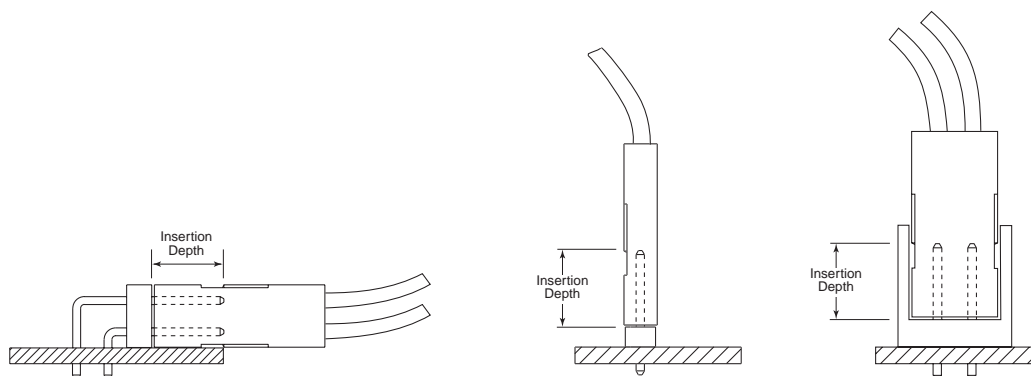
### MATING DATA

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

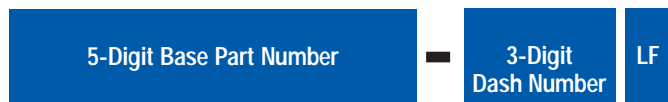
### INSERTION DEPTH

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

### TYPICAL APPLICATIONS



## PART NUMBER

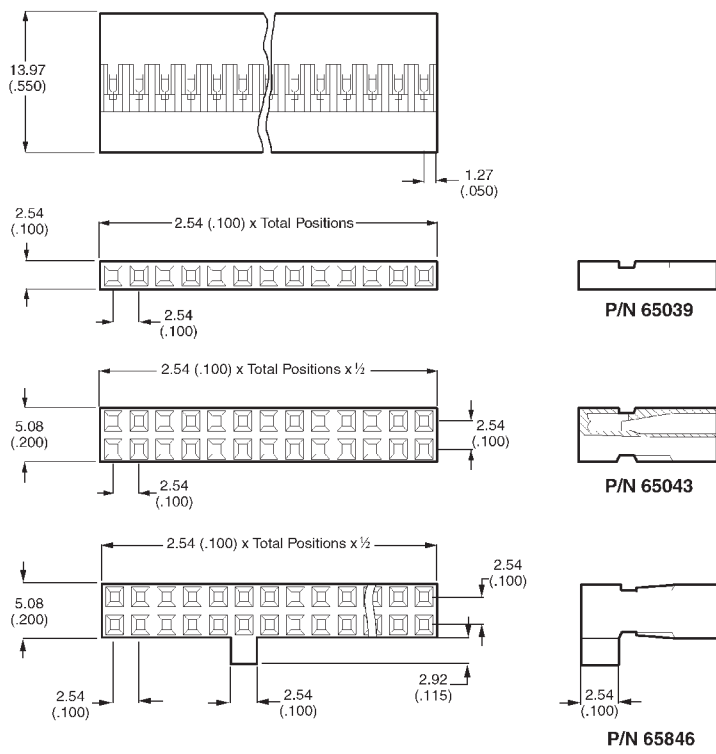


- 65039 = Single Row
- 78211 = Single Row with Center Key
- 65043 = Double Row
- 65846 = Double Row with Center Key

Total Positions	Single Row		Total Positions	Double Row	
	65039	78211		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

Total Positions	Single Row		Total Positions	Double Row	
	65039	78211		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 (50µ") 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

### Reference Information

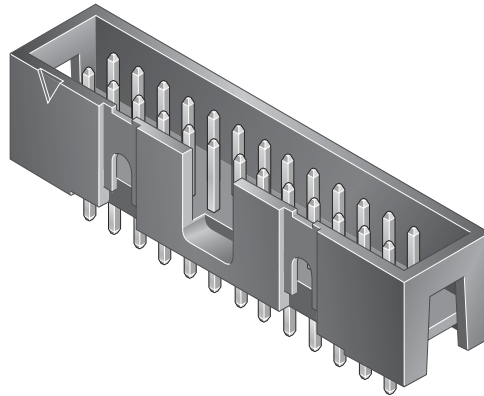
File no. E66906

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

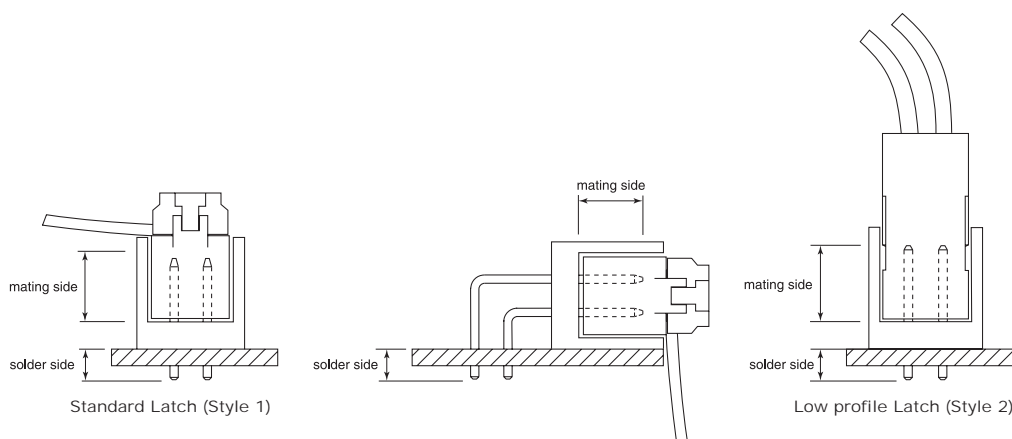
## PROCESSING INFORMATION

Compatible with wave soldering processes

## RoHs INFORMATION

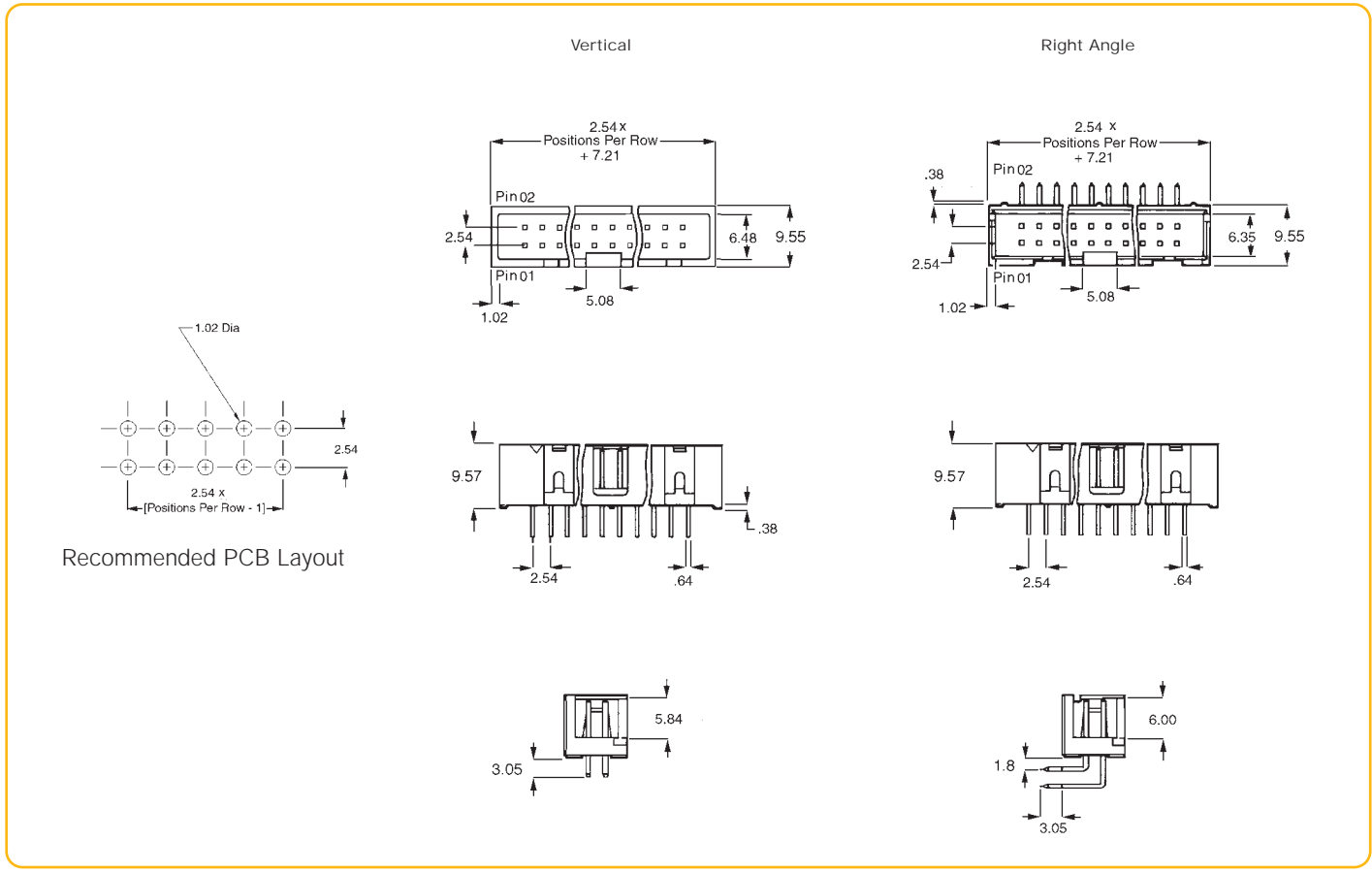
This product is RoHs compatible according to the European Union Directive 2002/95/IEC

## LATCHING STYLES



## PART NUMBER

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



Dimensions in mm

2.54 mm (.100")

# Quickie™ SMT/PIP LOW PROFILE HEADERS 2.54 mm (.100")



- 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 (50µ") nickel

### Electrical Performance

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

### Mechanical Performance

- Pin retention to housing: 20 N min.

### Operating Temperature Range

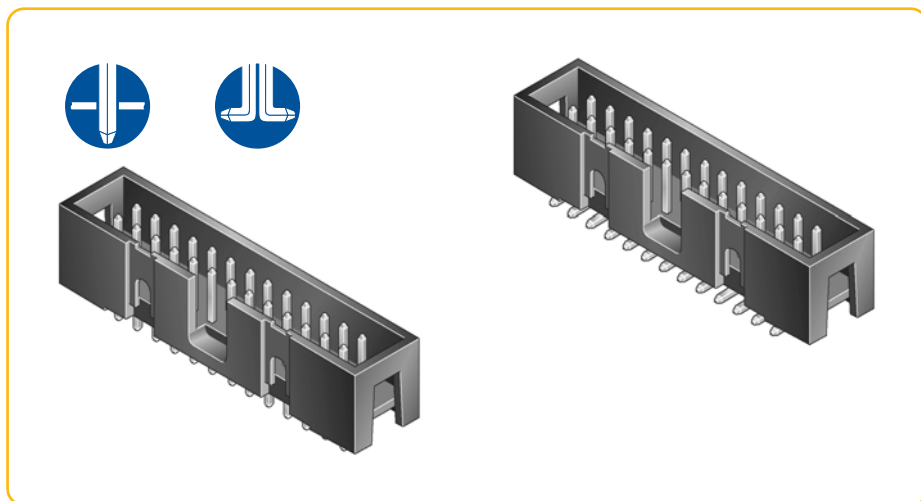
- 65°C to +125°C

### 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

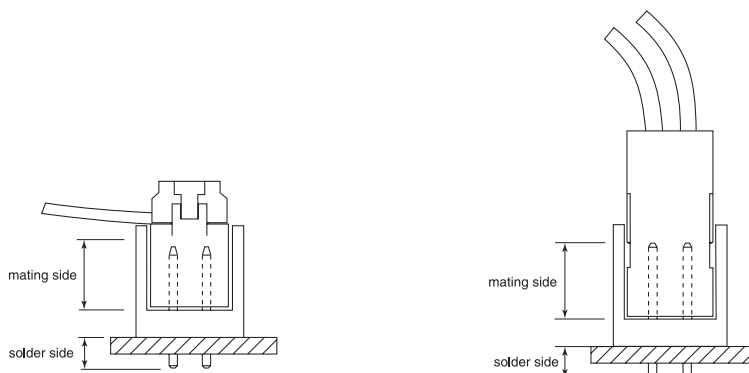
## PROCESSING INFORMATION

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

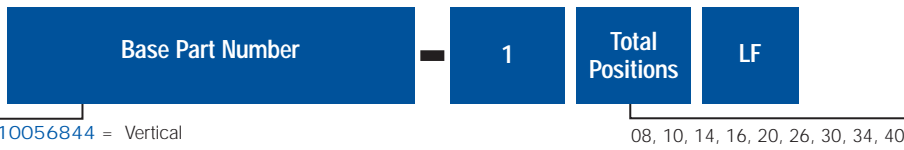


## PART NUMBER

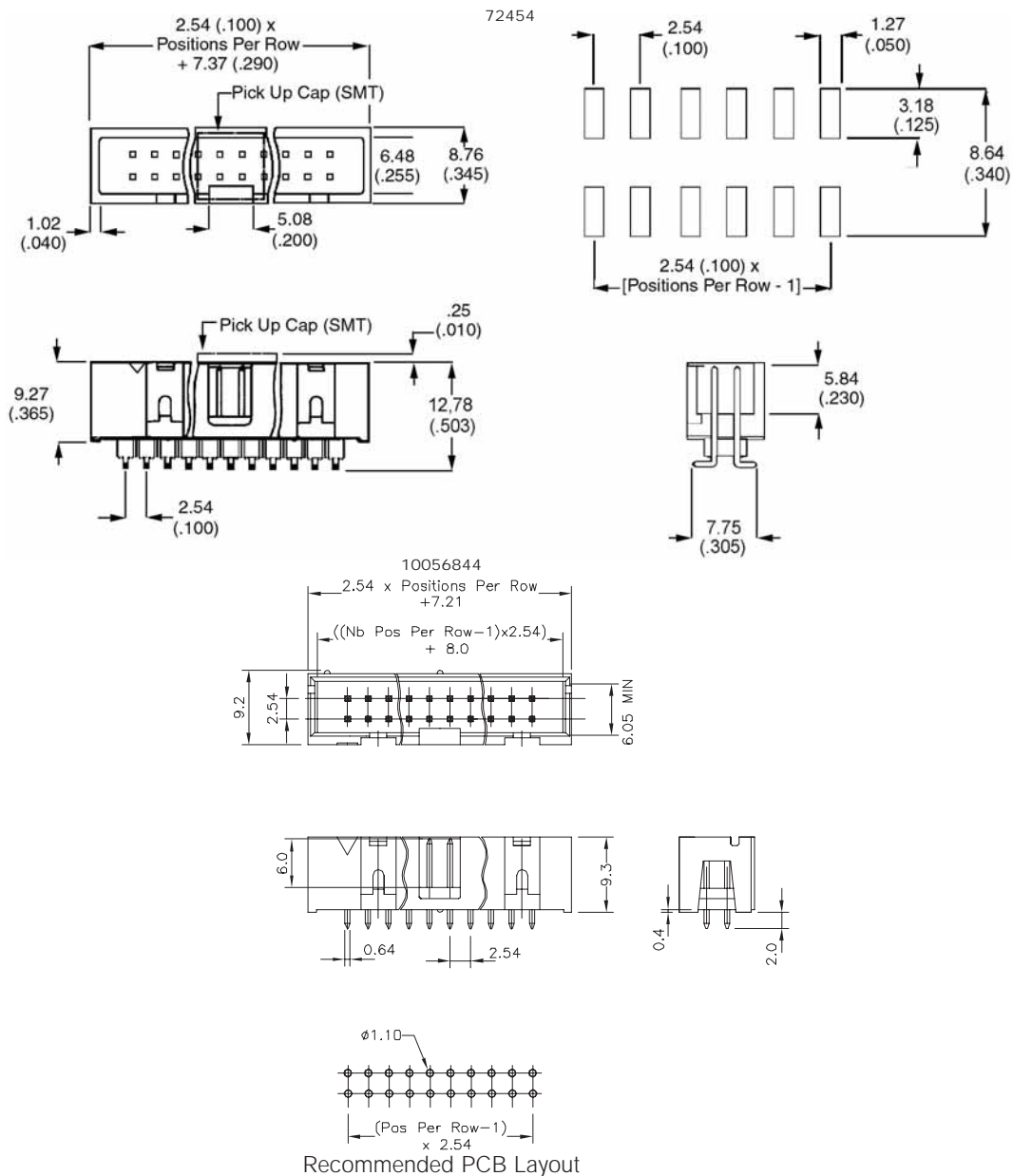
SMT (Surface Mount)



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 MΩ min
- Dielectric withstanding voltage: 1500 V

### Mechanical Performance

- Pin retention to housing: 20 N min.

### Operating Temperature Range

- 65°C to +125°C

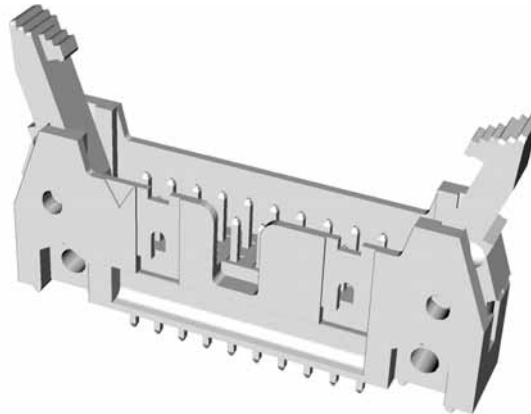
### Packaging

- 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

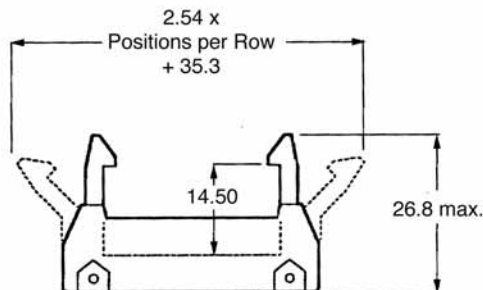
## PROCESSING INFORMATION

Compatible with wave soldering processes

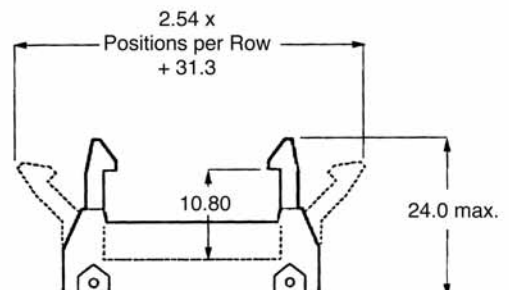
## RoHs INFORMATION

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

## LATCHING STYLES



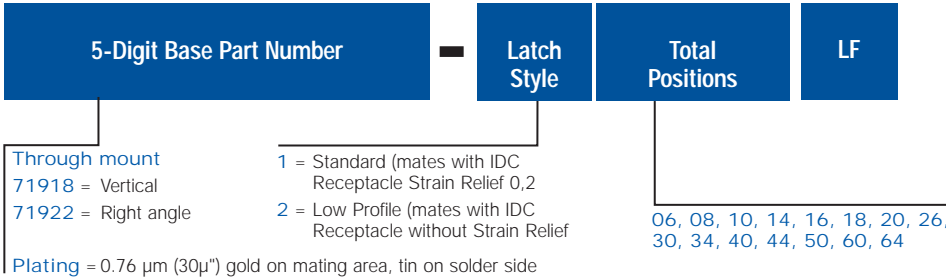
Standard Latch (Style 1)



Low profile Latch (Style 2)

2.54 mm (.100")

## PART NUMBER

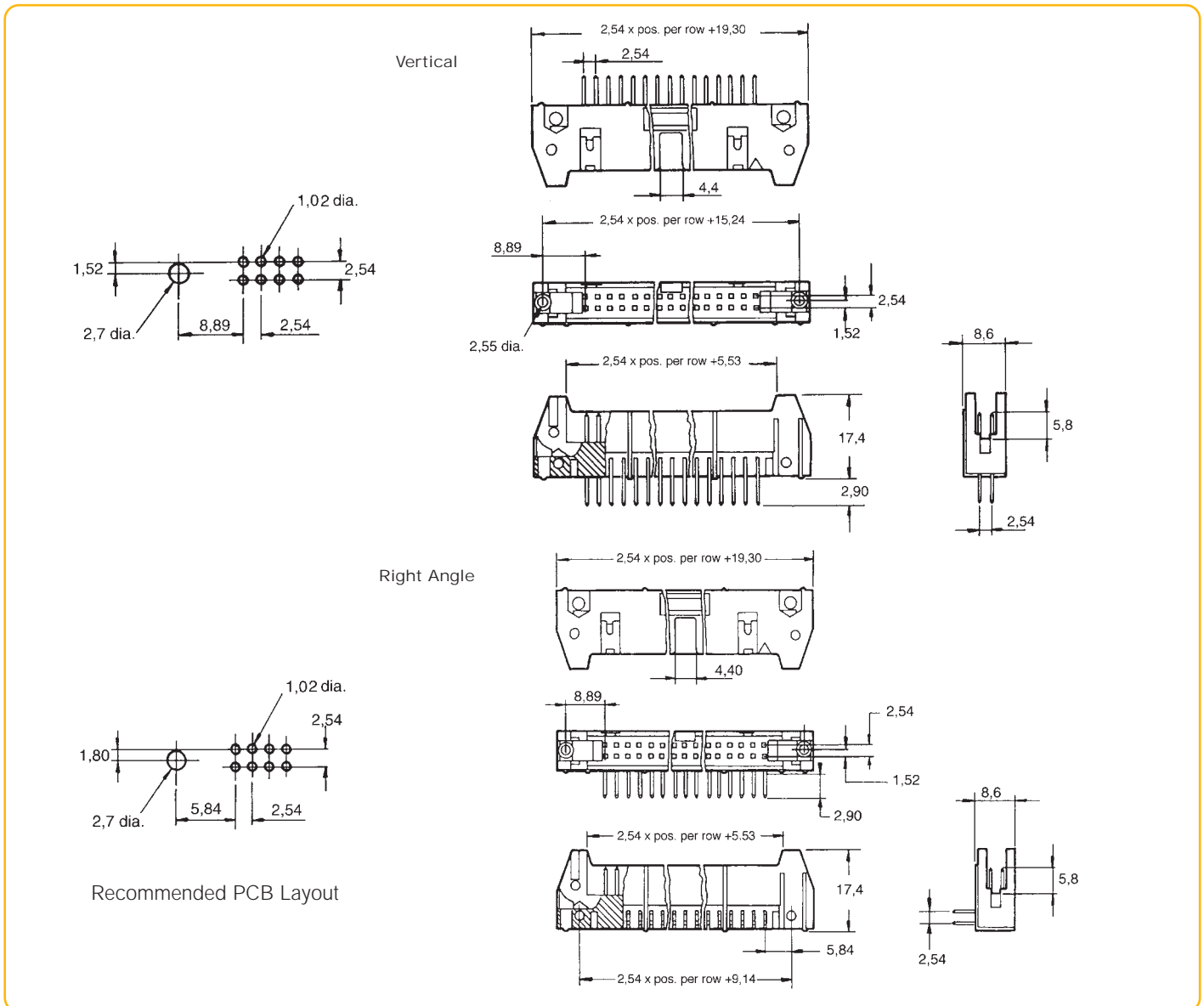


71918	-	1XXLF	<b>CORE RANGE</b>
71922	-	1XXLF	

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

71918	-	1XXLF	<b>PRIORITY PART</b>
71922	-	1XXLF	

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 (30µ") Gold over 1.27 µm (50 µ") 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 Range

- -65°C to +125°C

### Packaging

- Tubes

### Reference Information

UL File no. E66906

CS File no. LR46923

- Product drawing: By 5-digit base part number

- Product specification: BUS-12-095

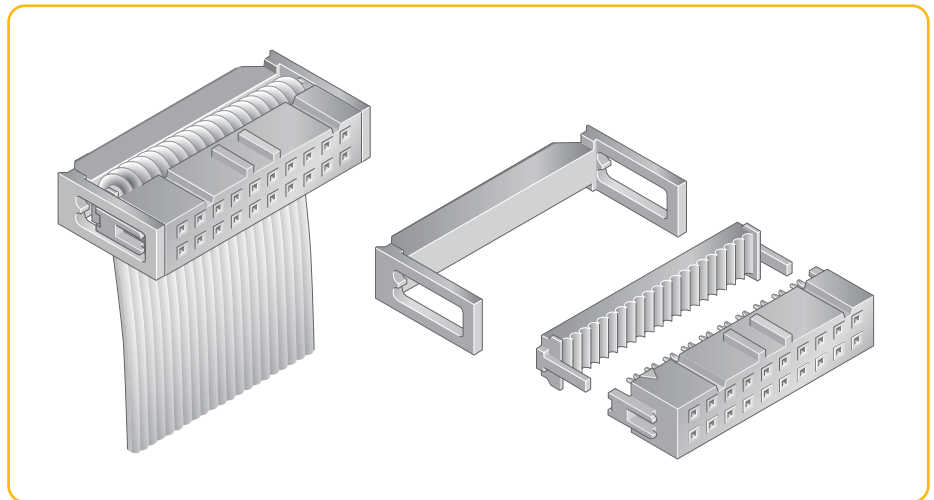
Specifications subject to change without notice.

## MATING DATA

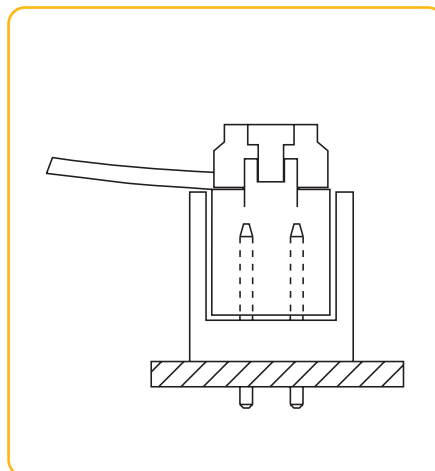
- BergStik® unshrouded vertical headers 10, 12, 14
- Quickie® shrouded low profile headers 44, 46
- Quickie® shrouded eject latch headers 48

## RoHS INFORMATION

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



## TYPICAL APPLICATIONS



## PART NUMBER



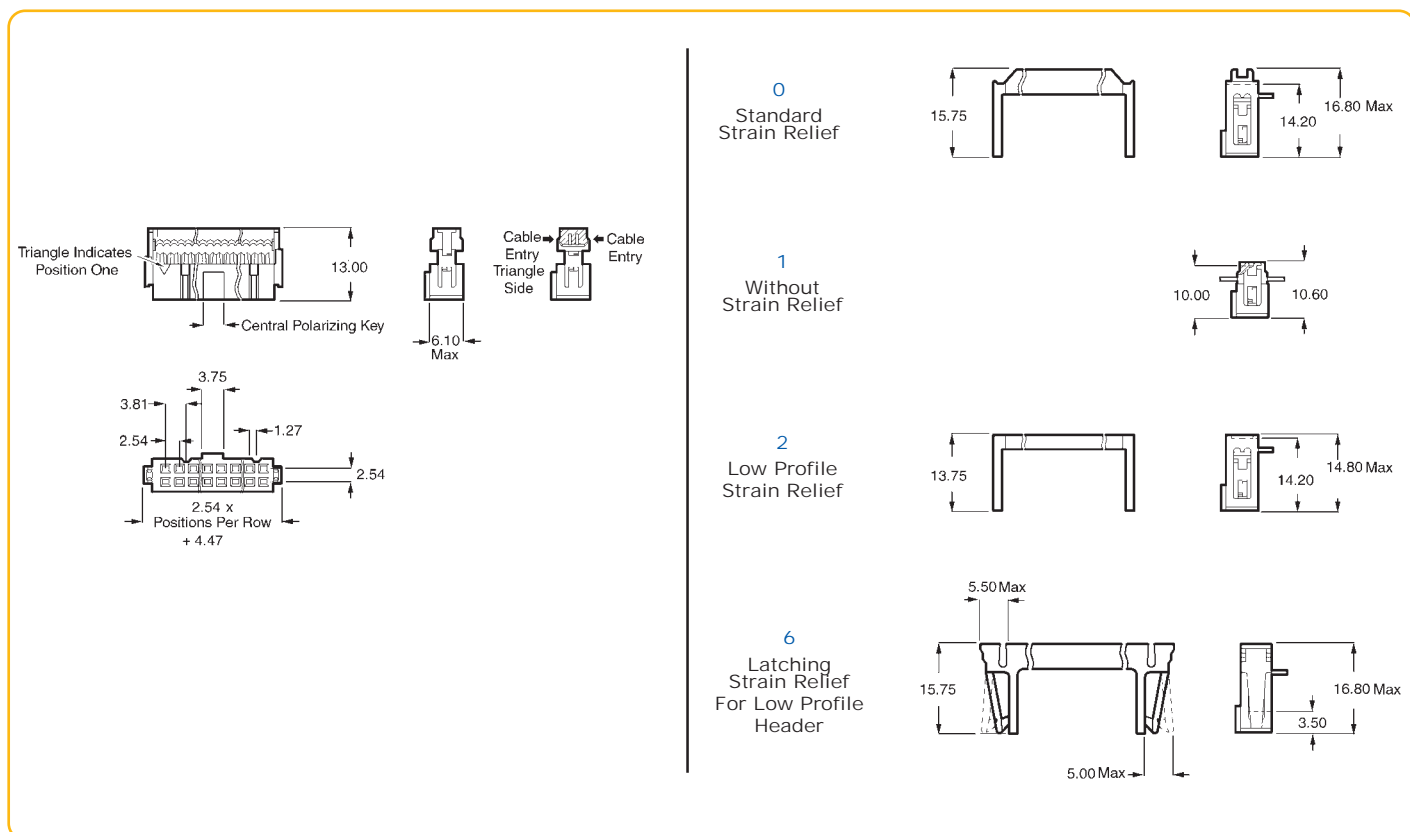
04, 06, 08, 10, 14, 16, 20, 26, 34, 40, 50, 60, 64

- 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



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  $\mu\text{m}$  (50 $\mu$ ) 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

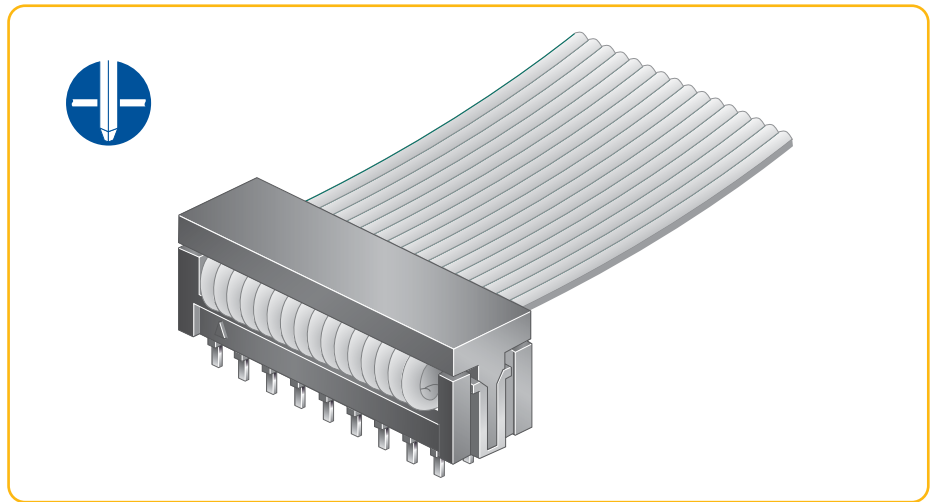
Specifications subject to change without notice.

## PROCESSING INFORMATION

Compatible with wave and vapor phase soldering processes — Low temperature

## RoHs INFORMATION

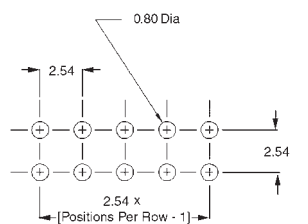
This product is RoHs compatible according to the European Union Directive 2002/95/IEC



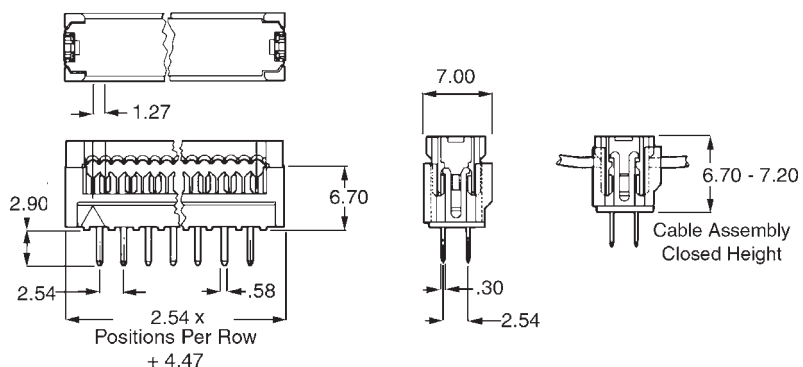
## PART NUMBER



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")