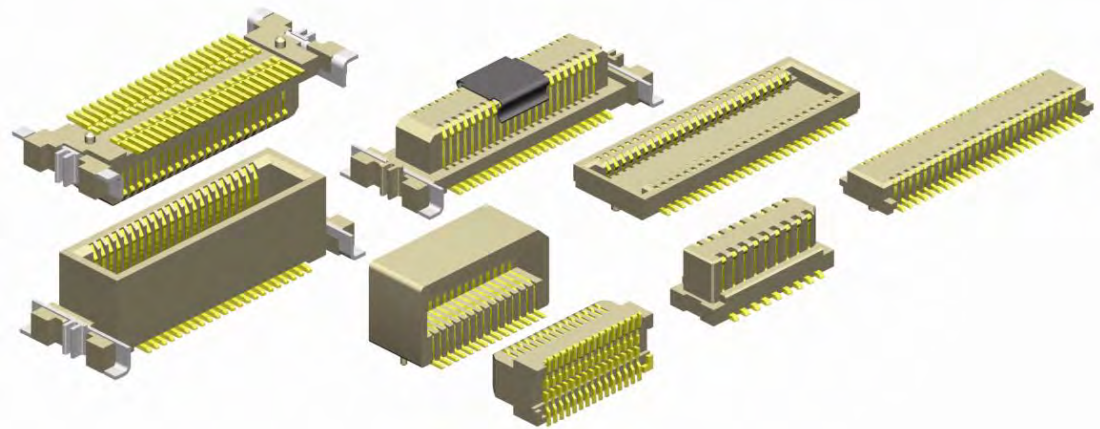


# Fine Pitch Plug-Board Connectors



Fine pitch board-to-board connectors allow high density low profile PCB interconnections. These connectors are generally not designed for high insertion/extraction cycles but for one time interconnection, with a possibility to disconnect a limited number of times (around 5 times) during the life time of the product for maintenance purposes only.

Due to the very large variety of design requirements (pincount, board height, pitch, soldertabs, etc) these fine pitch board-to-board connectors are being presented with the following generic E-tec datasheet which allows to highlight the specific project requirements. Based on this information, our production will be able to determine if the current toolings can be adjusted to your requirements and/or if new toolings need to be set-up or if any other close equivalents can be offered as an alternative.

# Plug-Board Connector - SMT -

0.50mm - 0.60mm - 0.80mm Pitch



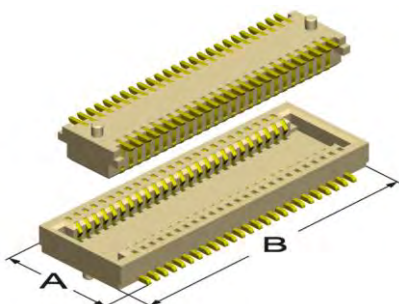
- Fine pitch, super low profile, from 1.50mm to 9.50mm between the boards
- The stamped, solid contacts assure reliable PC Board connections
- Tube or Reel packing available
- Also available with "locating pegs" for easy positioning of the connector during placement
- Some types can also be offered with metal solder tabs, which provide additional mechanical strength to avoid damages to the solder joints during disconnection of the male & female connectors.



**Please inform us of your application and precise requirements, so that our product engineers may offer you a suitable solution.**

Please indicate your dimensional requirements for the  0.50mm  0.60mm  0.80mm pitch „Plug-Board“ connector. Solutions **without** metal solder tabs, but with & without locating pegs.

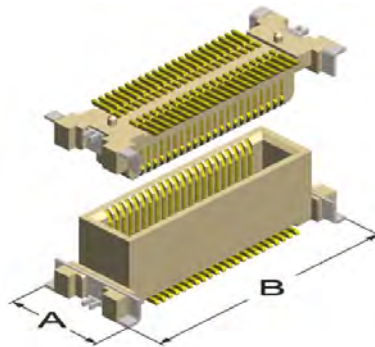
Number of contacts in total .....



Dimension „A“ (max.): .....  
Dimension „B“ (max.): .....

Please indicate your dimensional requirements for the  0.50mm  0.60mm  0.80mm pitch „Plug-Board“ connector. Solutions **with** metal solder tabs, but with & without locating pegs.

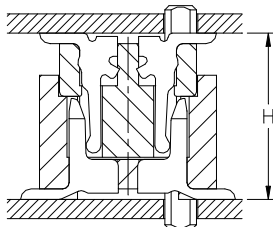
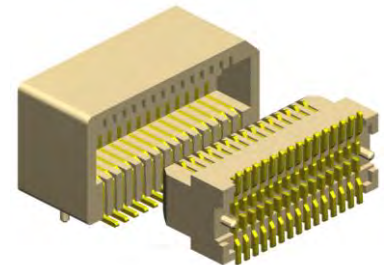
Number of contacts in total .....



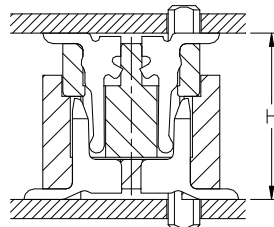
Dimension „A“ (max.): .....  
Dimension „B“ (max.): .....

Please indicate your dimensional requirements for the  0.50mm  0.60mm  0.80mm pitch right angle type „Plug-Board“ connector. Solutions **without** metal solder tabs, but with & without locating pegs.

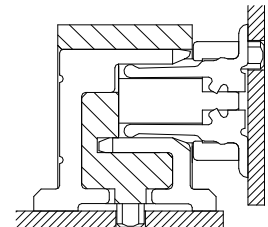
Number of contacts in total .....



Your board-to-board requirement  
Dimension „H“: .....  
Do you wish to receive this connector  
with  or without  locating peg?



Your board-to-board requirement  
Dimension „H“: .....  
Do you wish to receive this connector  
with  or without  locating peg?



Do you wish to receive this connector  
with  or without  locating peg?

**In addition, please also provide the following information:**

**For which application do you intend to use our fine pitch „Plug Board“ Connector?**

.....

**Please indicate your quantity requirement for „prototypes“ .....** and **„production“ .....**

**Please also indicate the expected „life time“ of your project .....**

**Your Company Name & Address:** .....

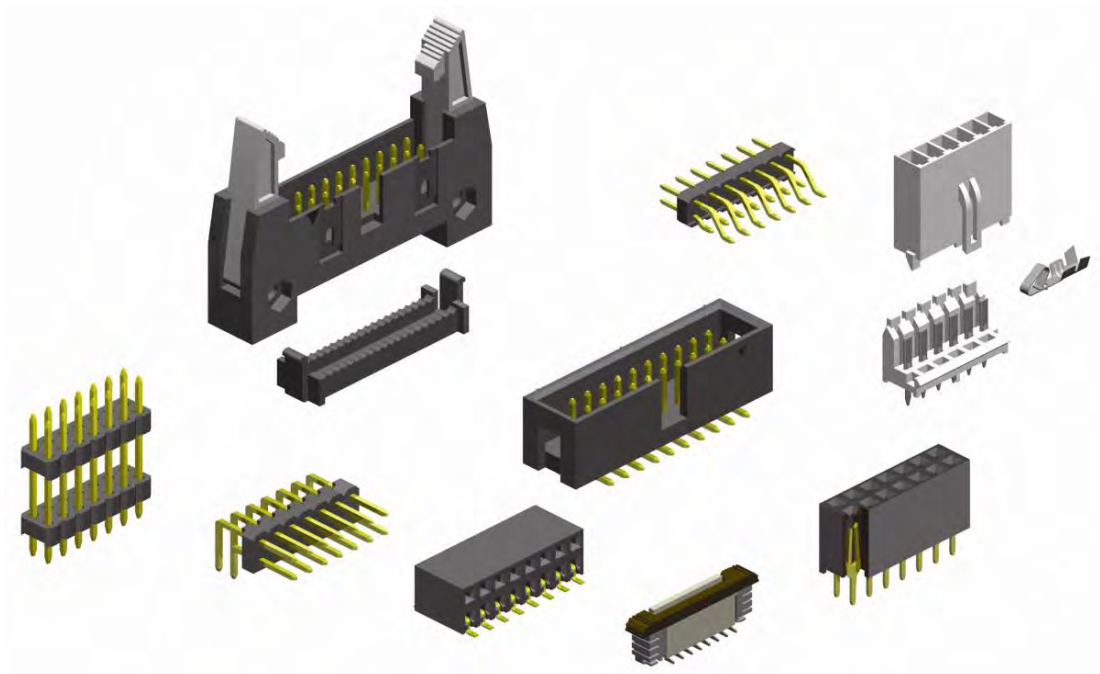
**Your Name, Phone, FAX & e-mail** .....

**Please FAX this page to the nearest E-tec sales office and we will get back to you as soon as possible with a solution adapted to your needs.**

### Specifications for E-tec fine pitch Plug Board Connectors

Current rating	0,3 A	Operating temperature	-45°C to +125°C
Insulation resistance	500 MΩ min. at 100 V DC	Processing temperature	+230°C for 60 sec. max. +260°C for 10 sec. max.
Contact resistance	50 mΩ max. at 100 mA	Contact material	Phosphor Bronze
Withstanding voltage	150 V AC 1 minute	Insulator material	Hi Temp Plastic UL 94 V-0

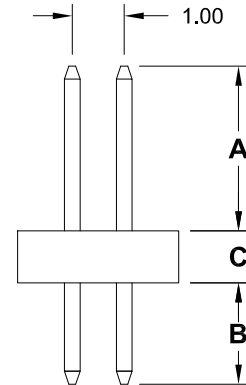
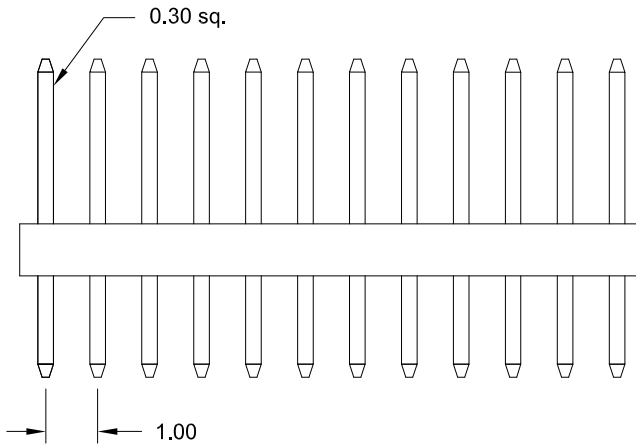
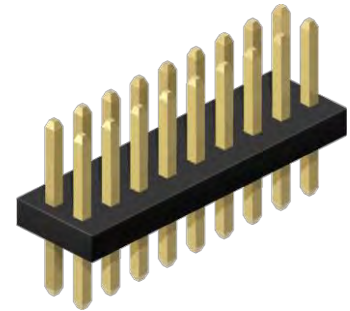
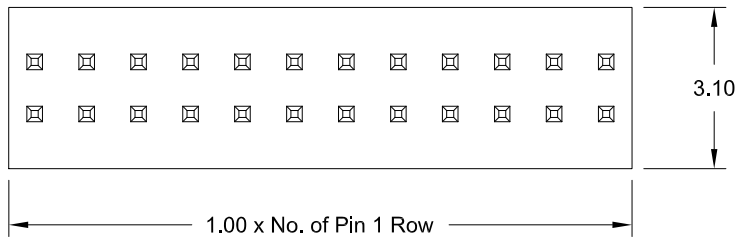
# Board to Board & Wire to Board Connectors



E-tec offers a very large variety of board-to-board and wire-to-board connectors, which take care of nearly all requirements a customer may have in terms of required board connections.

The male/female board-to-board connectors are available in 1.00mm, 1.27mm, 2.00mm and 2.54mm pitch. For the wire-to-board connectors the available pitches start from 0.50mm upwards. The following catalog pages show the standard connector designs, but many other pin lengths or custom designs can be offered on request.

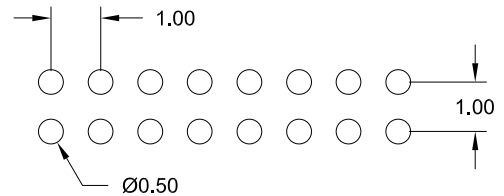
- THT - dual row straight



**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	(RoHS compliant) Copper Alloy
Insulator material	(RoHS compliant) PA9T UL 94 V-0

**PCB Hole Layout**



**How to order**

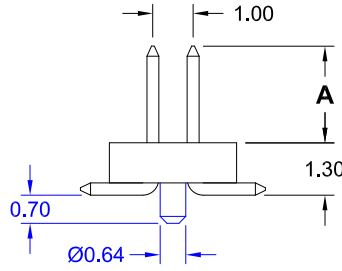
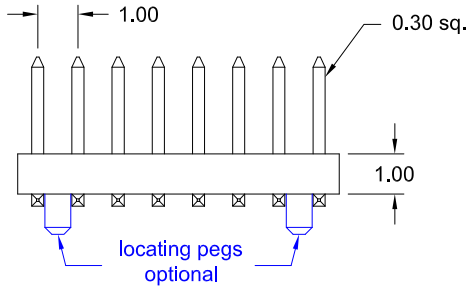
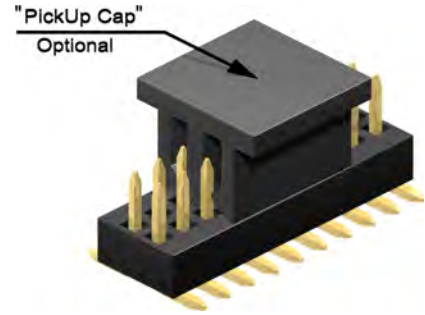
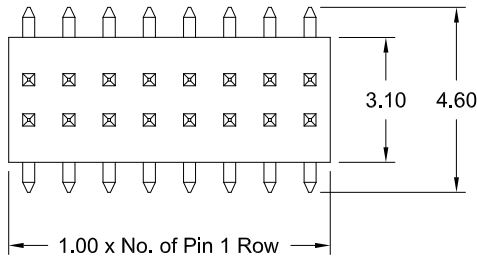
SL2 - xxx - S xxx/x - 55/00

Nbr of pins
004 to 080

Pin code	DIM "A"	DIM "B"	DIM "C"
050/1	2.00 mm	2.00 mm	1.00 mm
050/2	3.20 mm	2.30 mm	1.00 mm
050/3	3.00 mm	2.30 mm	1.00 mm
112/1	6.50 mm	3.20 mm	1.50 mm
other dimensions on request			

Plating
55 = Gold
other platings on request

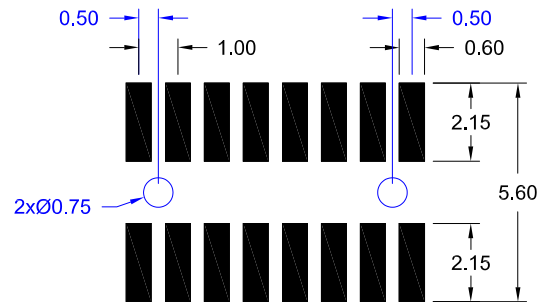
- SMT - low profile dual row



**Application and Features**

- **Standard: Tube packing, without "locating pegs" and without "PickUp Cap"**
- Assures reliable PC Board connections
- Fine pitch, low profile type with 0.30mm square pin
- Mate with Female Header BS2-xxx-H222-55/00X then "board to board" distance 3.60mm

**PCB Surface Mount Layout**



**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC

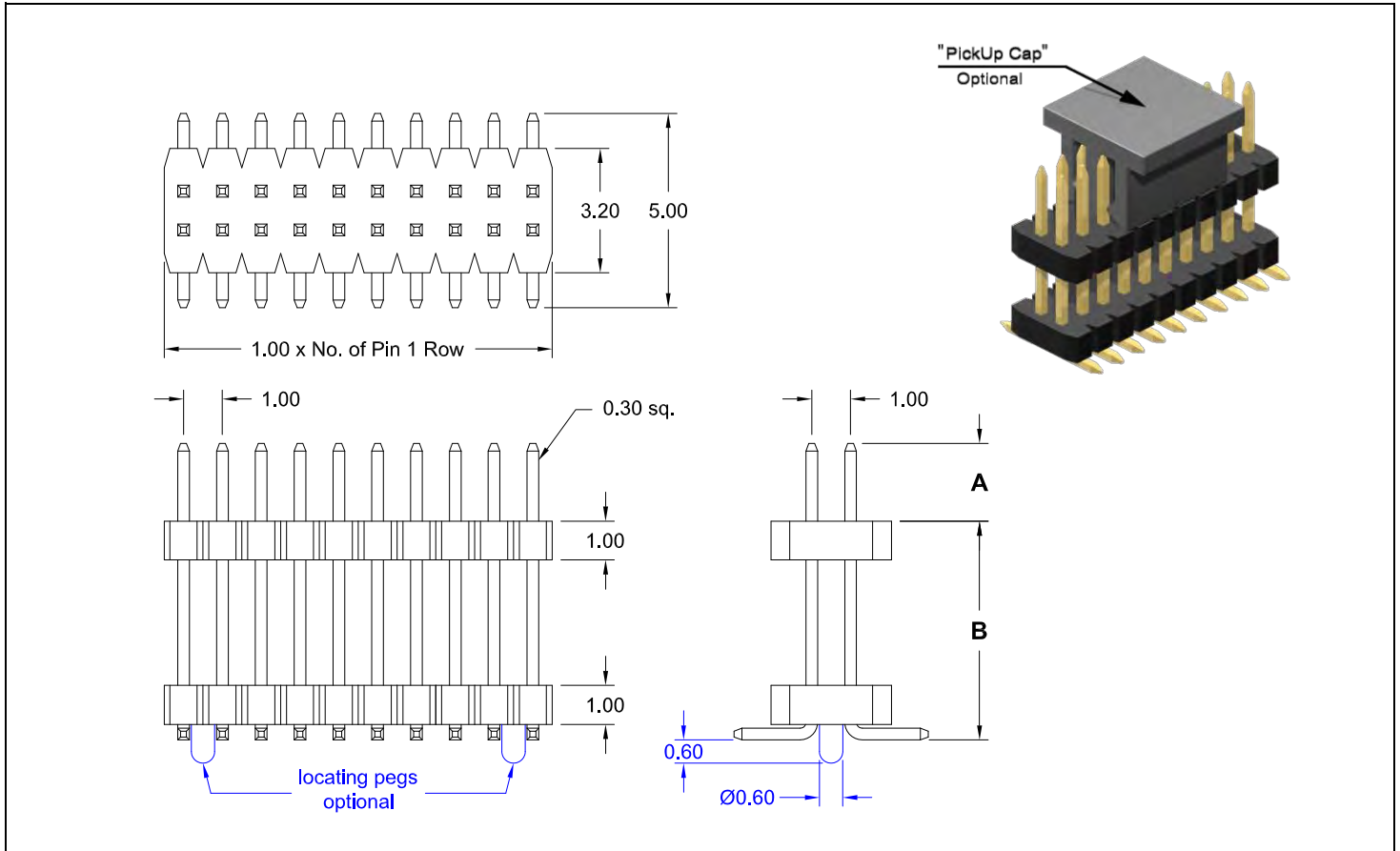
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Copper Alloy
Insulator material	(RoHS compliant) PA9T UL 94 V-0

**How to order**

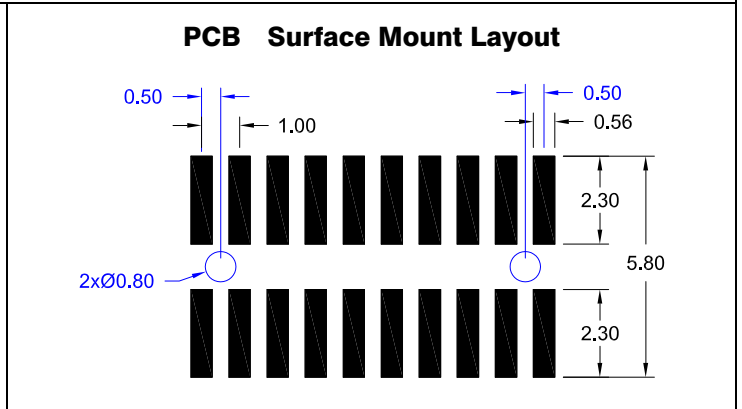
SS2 - xxx - H 18/x - 55/00 X

Nbr of pins	Pin code	DIM "A"	Plating	Options
008 to 100	18/0	1.90 mm	55 = Gold  other platings on request	<b>without "locating pegs"</b> <b>A</b> = Tube packing; with „PickUp Cap“ <b>B</b> = Reel packing; with „PickUp Cap“ <b>with "locating pegs"</b> <b>C</b> = Tube packing; without „PickUp Cap“ <b>D</b> = Tube packing; with „PickUp Cap“ <b>E</b> = Reel packing; with „PickUp Cap“
	18/1	2.40 mm		
	18/2	1.65 mm		
	18/3	5.40 mm		
	18/4	3.00 mm		

- SMT - dual row



Specifications	
Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Copper alloy
Insulator material	(RoHS compliant) PA9T UL 94 V-0

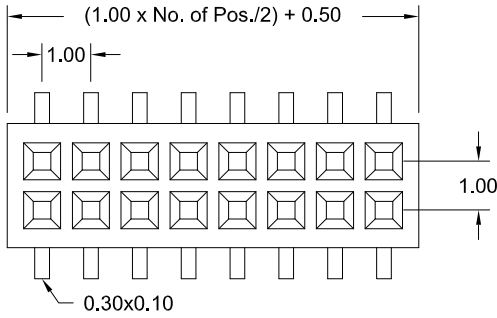


How to order

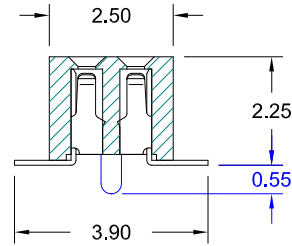
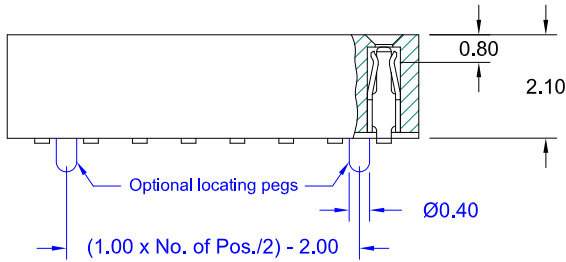
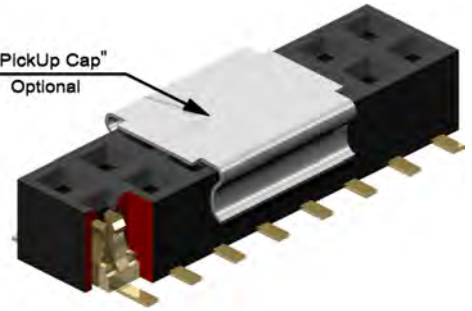
SP2 - xxx - H 51/x - 55/00 X

Nbr of pins	Pin code	DIM "A"	DIM "B"	Plating	Options
002 to 100	51/0	2.00 mm	7.80 mm	55 = Gold	<b>without "locating pegs"</b> A = Tube packing; with „PickUp Cap“ B = Reel packing; with „PickUp Cap“
	51/1	2.00 mm	5.80 mm		
	51/2	2.00 mm	9.70 mm	other platings on request	<b>with "locating pegs"</b> C = Tube packing; without „PickUp Cap“ D = Tube packing; with „PickUp Cap“ E = Reel packing; with „PickUp Cap“
	51/3	2.00 mm	3.70 mm		
	51/4	2.00 mm	14.00 mm		
	51/5	2.00 mm	6.30mm		
	51/6	2.00 mm	17.00 mm		
		other dimensions on request			

- SMT - low profile dual row



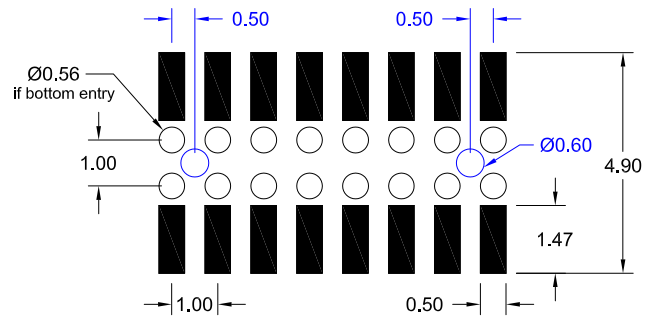
"PickUp Cap"  
Optional



### Application and Features

- **Standard: Tube packing, without "locating pegs" and without "PickUp Cap"**
- Assures reliable PC Board connections
- Fine pitch, low profile for space saving Application
- Accept 0.30mm square Pin Header

### PCB Surface Mount Layout



### Specifications

Current rating	1 A
Insulation resistance	100 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC

Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Phosphor Bronze
Insulator material	(RoHS compliant) LCP UL 94 V-0

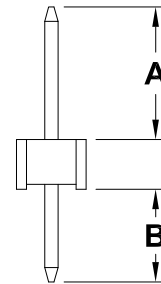
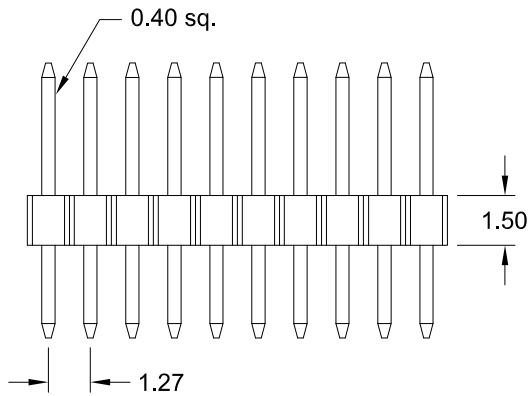
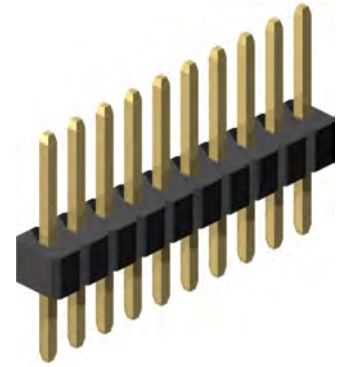
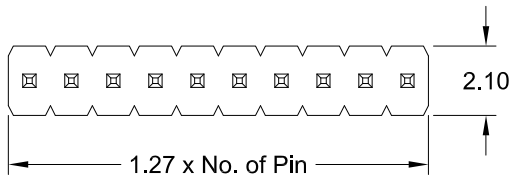
### How to order

BS2 - xxx - H222 - 55/00X

Nbr of contacts
without "locating pegs" <b>004 to 068</b>
with "locating pegs" <b>008 to 068</b>

Plating
<b>55</b> = Gold
other platings on request

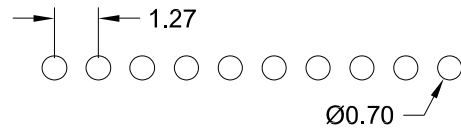
Options
<b>without "locating pegs"</b>
<b>A</b> = Tube packing; with „PickUp Cap“
<b>B</b> = Reel packing; with „PickUp Cap“
<b>with "locating pegs"</b>
<b>C</b> = Tube packing; without „PickUp Cap“
<b>D</b> = Tube packing; with „PickUp Cap“
<b>E</b> = Reel packing; with „PickUp Cap“



**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	(RoHS compliant) Copper alloy
Insulator material	(RoHS compliant) PA6T UL 94 V-0

**PCB Hole Layout**



**How to order**

SL1 - xxx - B xxx/x - 55/11

Nbr of pins
002 to 050

Pin code	DIM "A"	DIM "B"
083/0	4.00 mm	2.80 mm
083/1	1.70 mm	2.40 mm
083/2	3.90 mm	3.90 mm
083/3	4.50 mm	2.80 mm
083/4	3.00 mm	3.00 mm
083/5	8.90 mm	7.60 mm
083/6	3.00 mm	2.30 mm
083/7	3.60 mm	2.80 mm
083/8	3.00 mm	2.80 mm
other dimensions on request		

Plating
55 = Gold
other platings on request

- THT - single & dual row straight

**Style S063/x & S064/x**

**PCB Hole Layout**

**Style S081/x**

**PCB Hole Layout**

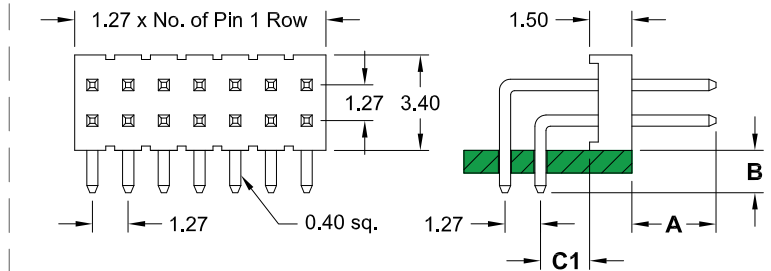
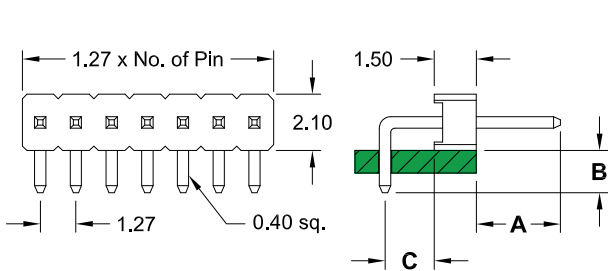
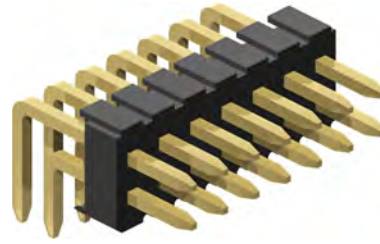
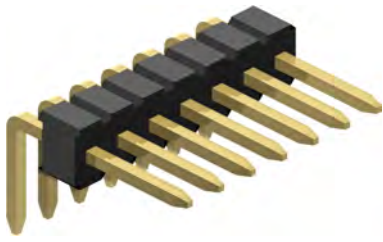
**Specifications**

Current rating	1 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material	Copper Alloy (RoHS compliant)
Withstanding voltage	500 V AC	Insulator material	PA6T UL 94 V-0 (RoHS compliant)

How to order

SL x - xxx - S xxx/x - 55/11

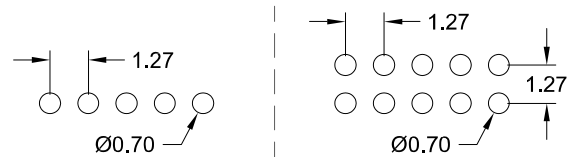
<b>Rows</b>	<b>Nbr of pins</b>	<b>Pin code</b>	<b>DIM "A"</b>	<b>DIM "B"</b>	<b>DIM "C"</b>	<b>Plating</b>
1 = single row	002 to 050	<b>063/1</b> <b>063/2</b> <b>063/3</b> <b>063/4</b> <b>063/5</b> <b>064/0</b>	3.00 mm 7.00 mm 5.00 mm 3.10 mm 2.80 mm 7.50 mm	2.30 mm 2.30 mm 2.30 mm 1.90 mm 2.50 mm 5.00 mm	1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.00 mm 1.50 mm	<b>55</b> = Gold  other platings on request
2 = dual row	004 to 100	Insulator thickness 2.00mm on request.				
		<b>081/1</b> <b>081/2</b> <b>081/3</b>	3.00 mm 4.00 mm 6.00 mm	2.60 mm 2.60 mm 2.60 mm	2.50 mm 2.50 mm 2.50 mm	
other dimensions on request						



**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	(RoHS compliant) Copper Alloy
Insulator material	(RoHS compliant) PA6T UL 94 V-0

**PCB Hole Layout**

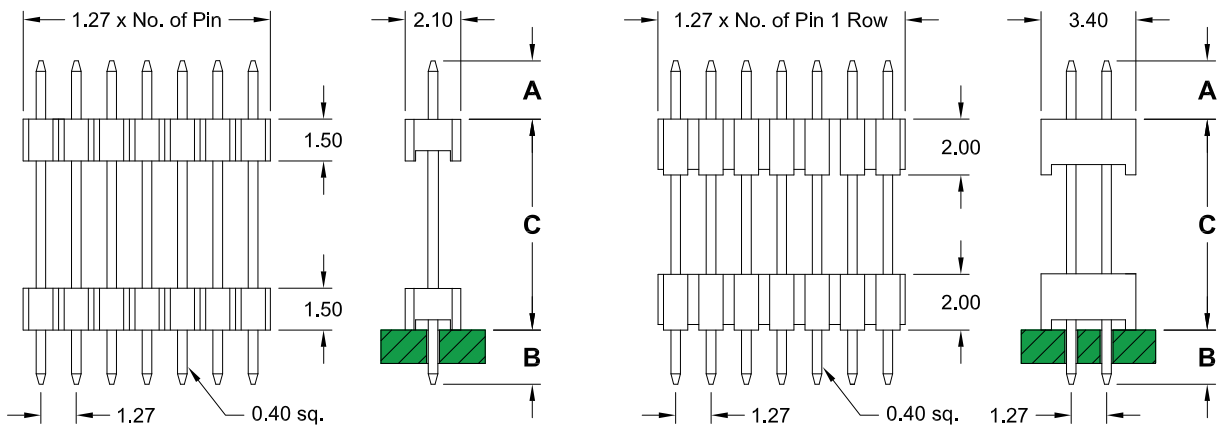
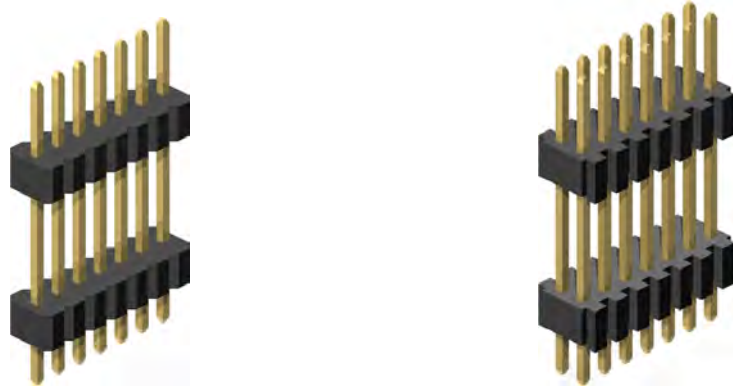


How to order

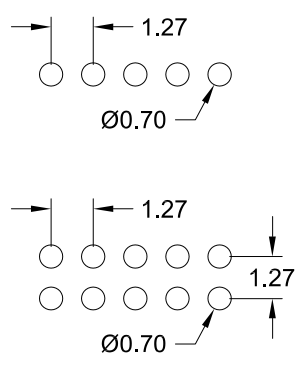
SL x - xxx - R xxx/x - 55/11

Rows	Nbr of pins	Pin code	DIM "A"	DIM "B"	DIM "C" (1 row)	DIM "C1" (2 row)	Plating
1 = single row	002 to 050	071/0	3.80 mm	3.00 mm	1.50 mm	1.70 mm	55 = Gold
		071/1	4.80 mm	2.50 mm	0.80 mm	1.00 mm	
		071/2	3.00 mm	3.00 mm	1.50 mm	1.70 mm	
		071/3	3.80 mm	4.50 mm	1.50 mm	1.70 mm	
		071/4	3.80 mm	1.60 mm	1.50 mm	1.70 mm	
		071/5	3.00 mm	2.80 mm	1.50 mm	1.70 mm	
2 = dual row	006 to 100	071/6	4.00 mm	4.00 mm	1.50 mm	1.70 mm	other platings on request
		other dimensions on request					

- THT - single & dual row



**PCB Hole Layout**



**Specifications**

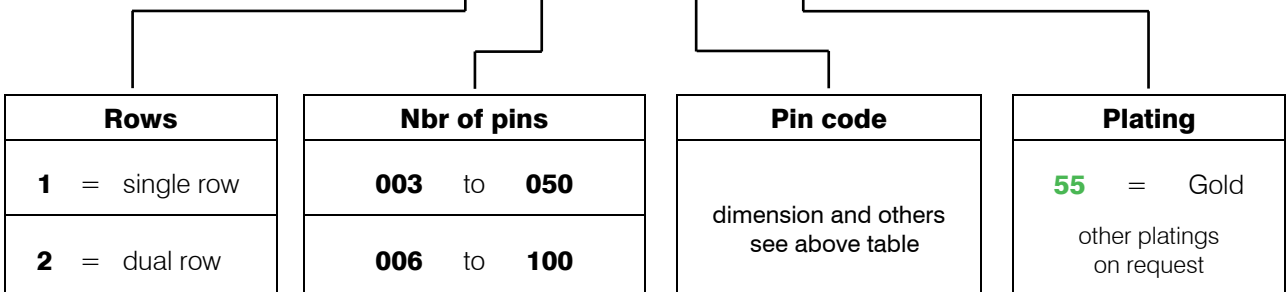
Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	Copper Alloy <i>(RoHS compliant)</i>
Insulator material	PA6T UL 94 V-0 <i>(RoHS compliant)</i>

Pin code	DIM "A"	DIM "B"	DIM "C"
<b>162/1</b>	5.70 mm	5.70 mm	4.80 mm
<b>179/0</b>	5.85 mm	5.85 mm	6.15 mm
<b>130/2</b>	3.70 mm	2.30 mm	7.00 mm
<b>130/3</b>	3.00 mm	3.00 mm	7.00 mm
<b>150/2</b>	4.00 mm	3.00 mm	8.00 mm
<b>127/1</b>	2.20 mm	2.20 mm	8.30 mm
<b>152/2</b>	3.60 mm	2.60 mm	9.00 mm
<b>180/3</b>	4.00 mm	4.00 mm	10.00 mm
<b>205/1</b>	3.00 mm	6.50 mm	11.00 mm
<b>190/1</b>	3.00 mm	3.00 mm	13.00 mm
<b>220/1</b>	6.00 mm	3.00 mm	13.00 mm
<b>200/1</b>	3.00 mm	3.00 mm	14.00 mm
<b>230/1</b>	3.00 mm	6.00 mm	14.00 mm
<b>210/4</b>	3.50 mm	3.00 mm	14.50 mm
<b>230/2</b>	3.00 mm	3.00 mm	17.00 mm
<b>244/2</b>	4.00 mm	3.00 mm	17.40 mm
<b>265/1</b>	4.60 mm	3.00 mm	18.90 mm

other dimensions on request

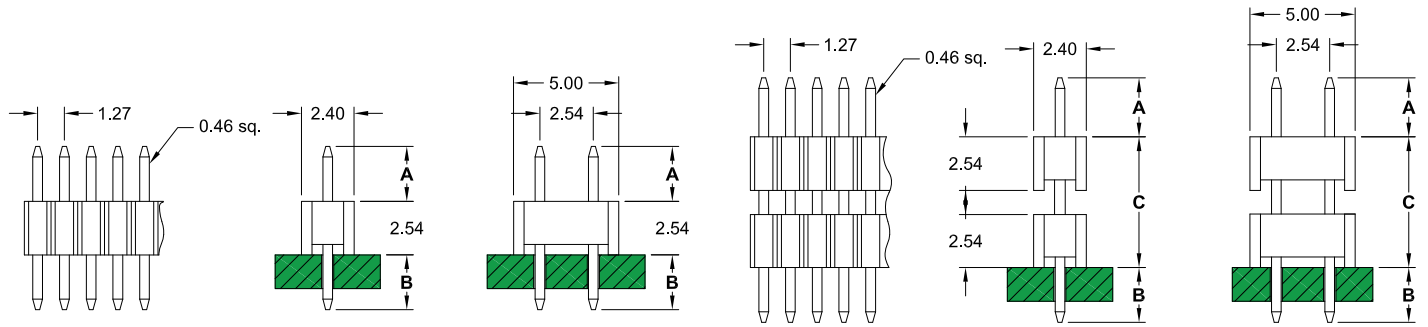
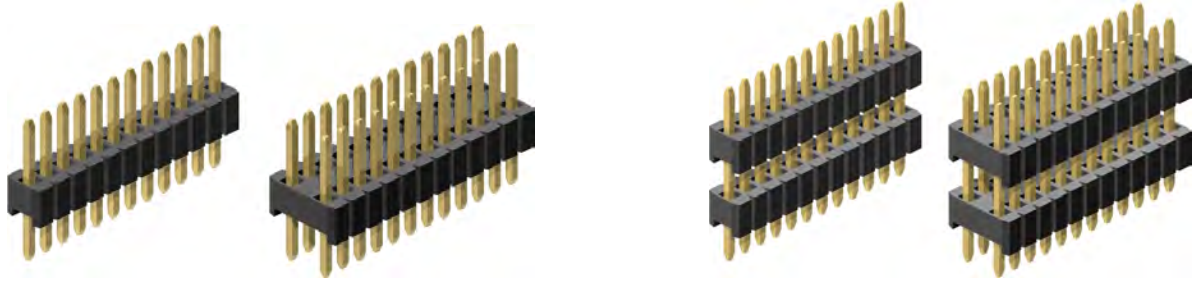
**How to order**

**SP x - xxx - S xxx/x - 55/11**



# 1.27mm Pin Header & Board Spacer

## 1.27mm x 2.54mm Board Spacer



**SL1**

**SL2**

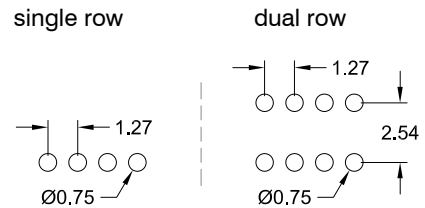
**SP1**

**SP2**

### Specifications

Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material (RoHS compliant)	Copper Alloy
Insulator material (RoHS compliant)	PA6T UL 94 V-0

### PCB Hole Layout

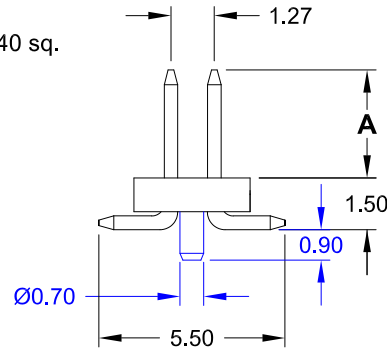
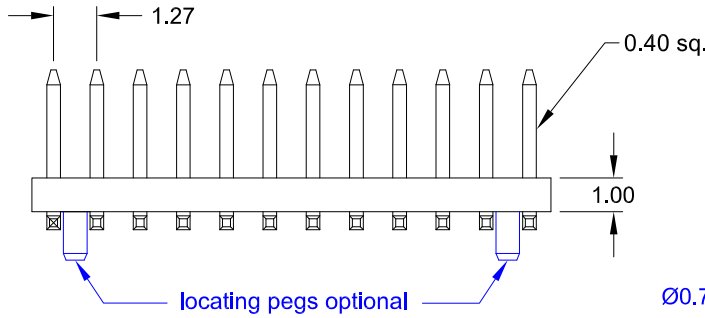
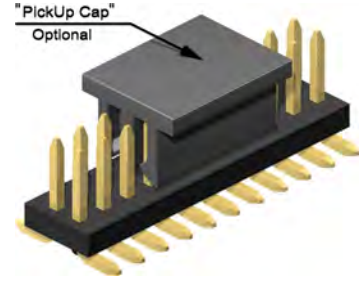
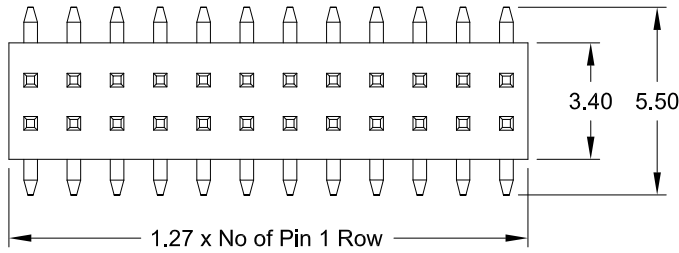


### How to order

**S** xx - xxx - S xxx/xx - 55/1

Rows single plastic	Nbr of pins	Pin code	DIM "A"	DIM "B"	Plating	
<b>L1</b> = single row	single row = <b>003</b> to <b>050</b>	<b>079/01</b>	2.80 mm	2.60 mm		<b>55</b> = Gold
<b>L2</b> = dual row	dual row = <b>006</b> to <b>100</b>	<b>091/02</b>	4.00 mm	2.60 mm		
		<b>111/01</b>	6.00 mm	2.60 mm		
		<b>164/01</b>	2.50 mm	11.40 mm		
		<b>179/01</b>	12.30 mm	3.10 mm		
		other dimensions on request				
Rows Boardspacer	Nbr of pins	Pin code	DIM "A"	DIM "B"	DIM "C"	other platings on request
<b>P1</b> = single row	single row = <b>003</b> to <b>050</b>	<b>084/01</b>	1.10 mm	1.30 mm	6.00 mm	
<b>P2</b> = dual row	dual row = <b>006</b> to <b>100</b>	<b>116/01</b>	2.80 mm	2.60 mm	6.20 mm	
		<b>152/01</b>	6.00 mm	3.00 mm	6.20 mm	
		<b>127/01</b>	2.20 mm	2.20 mm	8.30 mm	
		<b>137/01</b>	3.00 mm	2.30 mm	8.40 mm	
		<b>160/06</b>	3.00 mm	4.00 mm	9.00 mm	
		<b>210/06</b>	5.50 mm	2.50 mm	13.00 mm	
		<b>218/01</b>	6.00 mm	1.80 mm	14.00 mm	
		other dimensions on request				

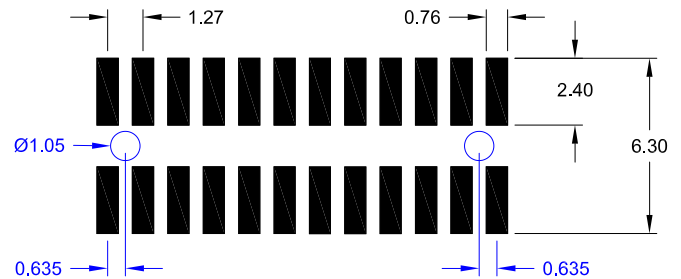
- SMT - low profile dual row



**Application and Features**

- **Standard: Tube packing, without "locating pegs" and without "PickUp Cap"**
- Assures reliable PC Board connections
- Low profile insulator
- Mates with 1.27mm pitch Female Headers

**PCB Surface Mount Layout**



**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC

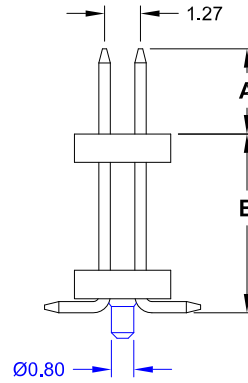
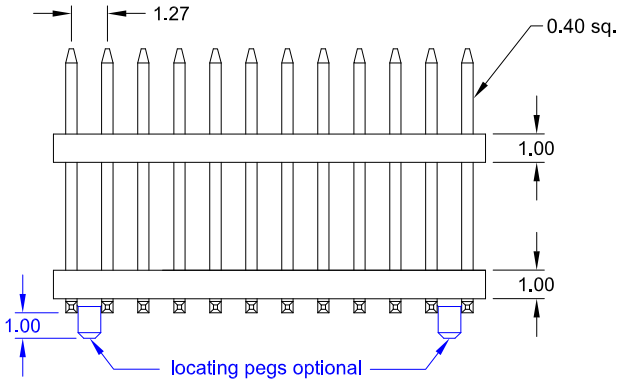
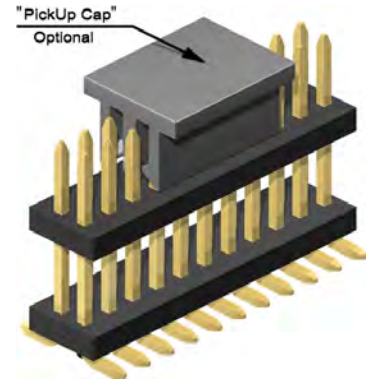
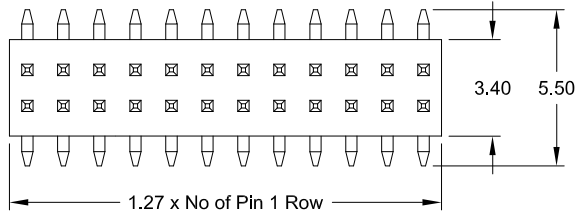
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Copper Alloy
Insulator material	(RoHS compliant) PA6T UL 94 V-0

**How to order**

SS2 - xxx - H xx/x - 55/11 X

Nbr of pins	Pin code	DIM "A"	Plating	Options
without locating pegs: <b>006 to 100</b>	<b>70/0</b>	3.00 mm	<b>55</b> = Gold  other platings on request	<b>without "locating pegs"</b> <b>A</b> = Tube packing; with „PickUp Cap“ <b>B</b> = Reel packing; with „PickUp Cap“
with locating pegs: <b>008 to 100</b>	<b>70/1</b>	10.00 mm		
	<b>70/2</b>	6.50 mm		<b>with "locating pegs"</b> (available only from 008 to 100 pins) <b>C</b> = Tube packing; without „PickUp Cap“ <b>D</b> = Tube packing; with „PickUp Cap“ <b>E</b> = Reel packing; with „PickUp Cap“
	<b>70/3</b>	12.50 mm		
	<b>70/4</b>	4.00 mm		
	other dimensions on request			

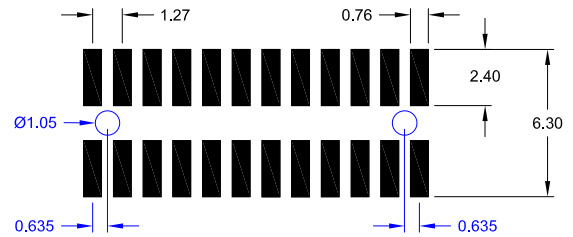
- SMT - dual row



**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Copper alloy
Insulator material	(RoHS compliant) PA6T UL 94 V-0

**PCB Surface Mount Layout**

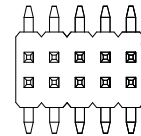
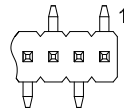
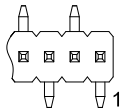
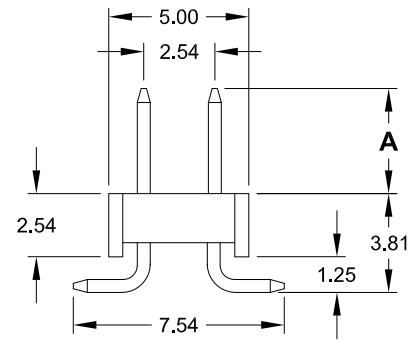
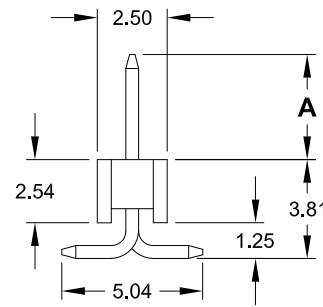
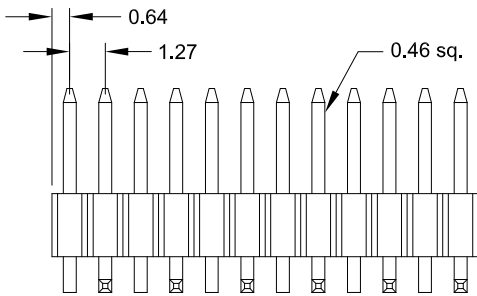
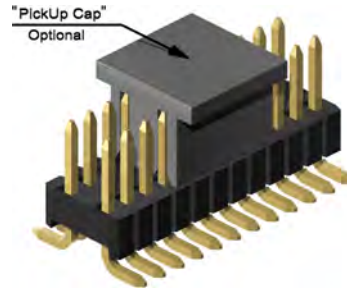
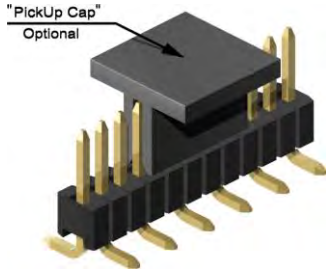


**How to order**

SP2 - xxx - H xx/x - 55/11 X

Nbr of pins	Pin code	DIM "A"	DIM "B"	Plating	Options
without "locating pegs"	<b>21/9</b>	4.10 mm	2.90 mm	<b>55</b> = Gold	<b>without "locating pegs"</b>
<b>006 to 100</b>	<b>22/9</b>	5.20 mm	3.80 mm		
with "locating pegs"	<b>21/1</b>	3.00 mm	4.00 mm	other platings on request	<b>A</b> = Tube packing; with „PickUp Cap“ <b>B</b> = Reel packing; with „PickUp Cap“
	<b>22/8</b>	1.50 mm	4.40 mm		
	<b>22/3</b>	5.00 mm	4.50 mm		
	<b>21/2</b>	3.00 mm	5.50 mm		
	<b>22/5</b>	6.00 mm	5.50 mm		
	<b>21/0</b>	3.00 mm	6.00 mm		
	<b>22/0</b>	3.00 mm	7.00 mm		
	<b>22/2</b>	4.70 mm	7.10 mm		
	<b>22/4</b>	4.00 mm	7.50 mm		
	<b>21/8</b>	4.80 mm	7.50 mm		
	<b>23/0</b>	6.10 mm	7.50 mm		
	<b>21/3</b>	5.60 mm	8.00 mm		
	<b>21/7</b>	4.00 mm	8.30 mm		
	<b>21/5</b>	3.00 mm	9.00 mm		
	<b>21/4</b>	3.80 mm	9.65 mm		
	<b>22/1</b>	5.10 mm	10.20 mm		
<b>22/6</b>	3.00 mm	11.50 mm	<b>C</b> = Tube packing; without „PickUp Cap“		
<b>22/7</b>	3.00 mm	14.00 mm	<b>D</b> = Tube packing; with „PickUp Cap“		
<b>21/6</b>	3.00 mm	16.00 mm	<b>E</b> = Reel packing; with „PickUp Cap“		
other dimensions on request					

dual row 1.27mm x 2.54mm



Foot Style:

**380**

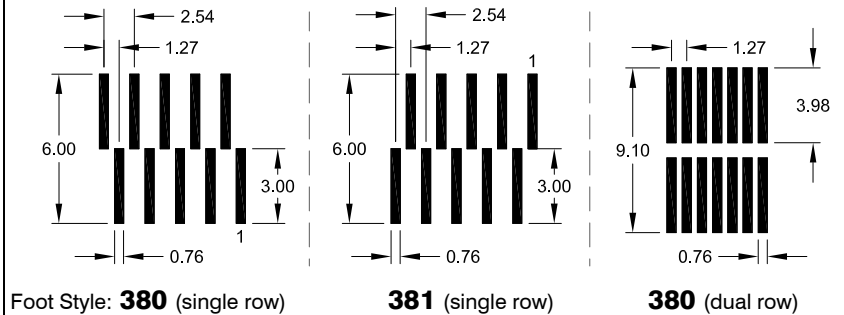
**381**

**380**

**Specification**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material (RoHS compliant)	Copper Alloy
Insulator material (RoHS compliant)	PA6T UL 94 V-0

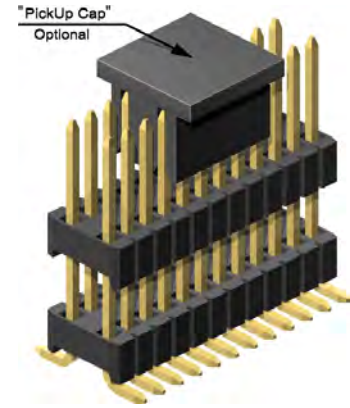
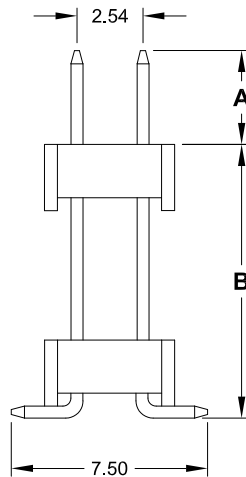
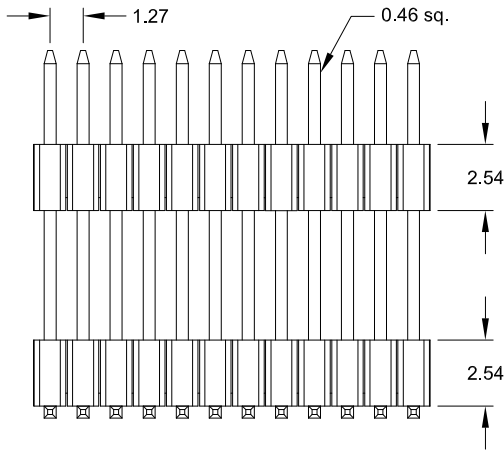
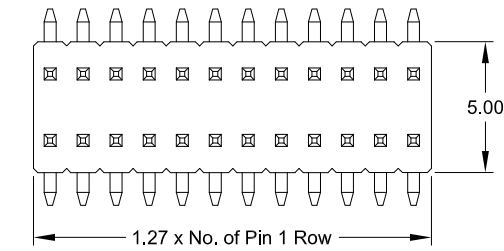
**PCB Surface Mount Layout**



**How to order**

SS x - xxx - H xxx / x - 55/1 X

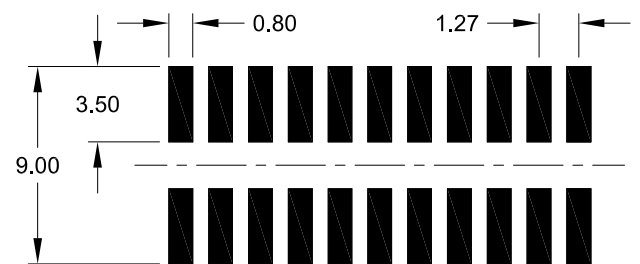
Rows	Nbr of pins	Foot Style	Pin code	DIM "A"	Plating	Packing and "PickUp Cap" Option
1 = single row	003 to 050	380	/ 0	2.80 mm	55 = Gold	A = Tube packing; with "PickUp Cap" B = Reel packing; with "PickUp Cap"
		381	/ 0	2.80 mm		
2 = dual row	006 to 100	380	/ 0	2.80 mm	other platings on request	
		380	/ 1	4.50 mm		
		380	/ 2	5.50 mm		
		380	/ 3	4.80 mm		
				other dimensions on request		



**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material (RoHS compliant)	Copper Alloy
Insulator material (RoHS compliant)	PA9T UL 94 V-0

**PCB Surface Mount Layout**



How to order

SP2 - xxx - H 220/x - 55/1 X

Nbr of pins	Pin code	DIM "A"	DIM "B"	Plating	Packing and "PickUp Cap" Option ( standard Tube packing; without "PickUp Cap" )
006 to 100	220/0	5.60 mm	8.50 mm	55 = Gold	<b>A</b> = Tube packing; with "PickUp Cap" <b>B</b> = Reel packing; with "PickUp Cap"
	220/1	5.60 mm	9.75 mm		
	220/2	3.40 mm	12.00 mm		
	220/3	3.30 mm	6.50 mm		
	220/4	4.00 mm	8.00 mm		
	220/5	6.00 mm	12.00 mm		
	220/6	5.00 mm	12.00 mm		
other dimensions on request			other platings on request		

<p>Style <b>S535</b></p>	<p>Style <b>P535</b></p>														
<p style="text-align: center;"><b>Specifications</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Current rating</td> <td>1 A</td> </tr> <tr> <td>Insulation resistance</td> <td>1000 MΩ min.</td> </tr> <tr> <td>Contact resistance</td> <td>20mΩ max.</td> </tr> <tr> <td>Withstanding voltage</td> <td>300 V AC</td> </tr> <tr> <td>Operating temperature</td> <td>- 40°C to +105°C</td> </tr> <tr> <td>Contact material</td> <td>(RoHS compliant) S535: PhBz P535: Brass</td> </tr> <tr> <td>Insulator material</td> <td>(RoHS compliant) LCP UL 94 V-0</td> </tr> </table>	Current rating	1 A	Insulation resistance	1000 MΩ min.	Contact resistance	20mΩ max.	Withstanding voltage	300 V AC	Operating temperature	- 40°C to +105°C	Contact material	(RoHS compliant) S535: PhBz P535: Brass	Insulator material	(RoHS compliant) LCP UL 94 V-0	<p style="text-align: center;"><b>PCB Hole Layout</b></p>
Current rating	1 A														
Insulation resistance	1000 MΩ min.														
Contact resistance	20mΩ max.														
Withstanding voltage	300 V AC														
Operating temperature	- 40°C to +105°C														
Contact material	(RoHS compliant) S535: PhBz P535: Brass														
Insulator material	(RoHS compliant) LCP UL 94 V-0														

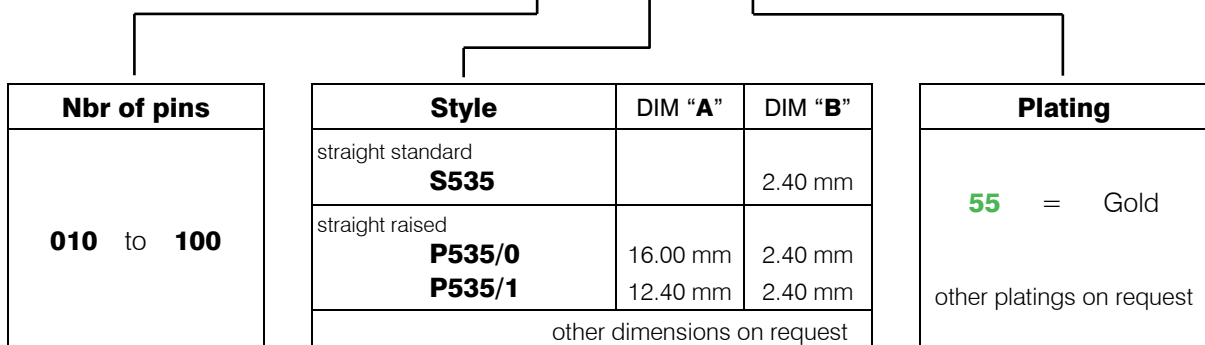
**Application and Features**

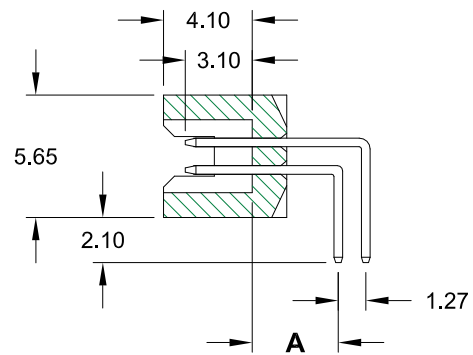
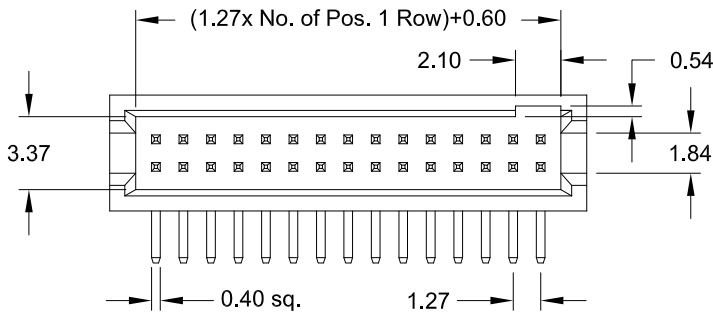
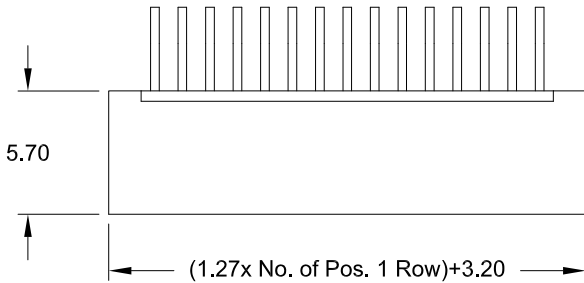
Mating with 1.27mm pitch Female Headers BS2-xxx-H45B- & -H45P-55/11 (page 33)  
as “board to board” connection.

No ejection latches for space saving

How to order

**SLS - xxx - Xxxx - 55/11**

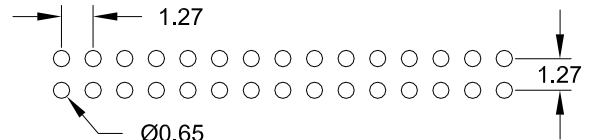




**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	300 V AC
Operating temperature	- 40°C to +105°C
Contact material	(RoHS compliant) Copper Alloy
Insulator material	(RoHS compliant) LCP UL 94 V-0

**PCB Hole Layout**



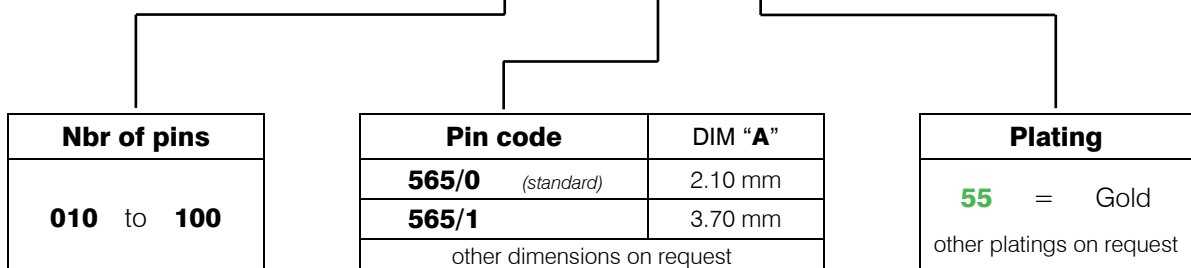
**Application and Features**

Mating with 1.27mm pitch Female Headers BS2-xxx-H45B- & -H45P-55/11 (page 33) as “board to board” connection.

No ejection latches for space saving.

**How to order**

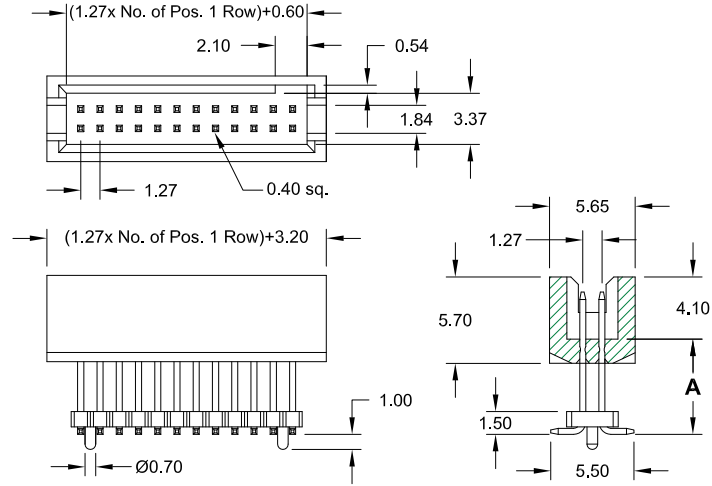
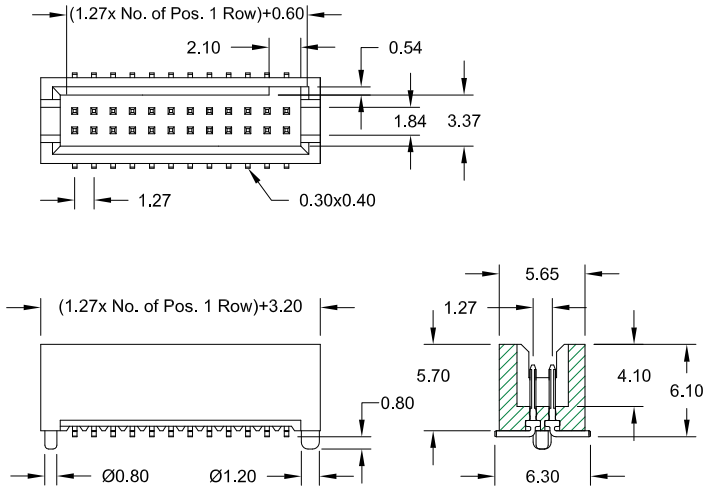
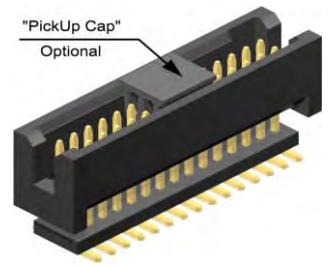
**SLS - xxx - R xxx/x - 55/11**



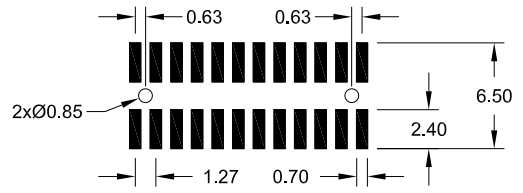
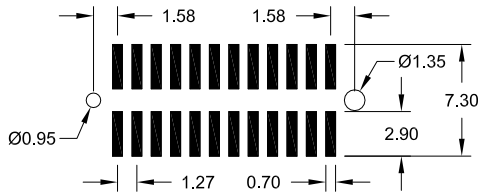
Style **H610**



Style **HPxx**



**PCB Surface Mount Layout**



**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	300 V AC

Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Phosphor Bronze
Insulator material	(RoHS compliant) LCP UL 94 V-0

**Application and Features**

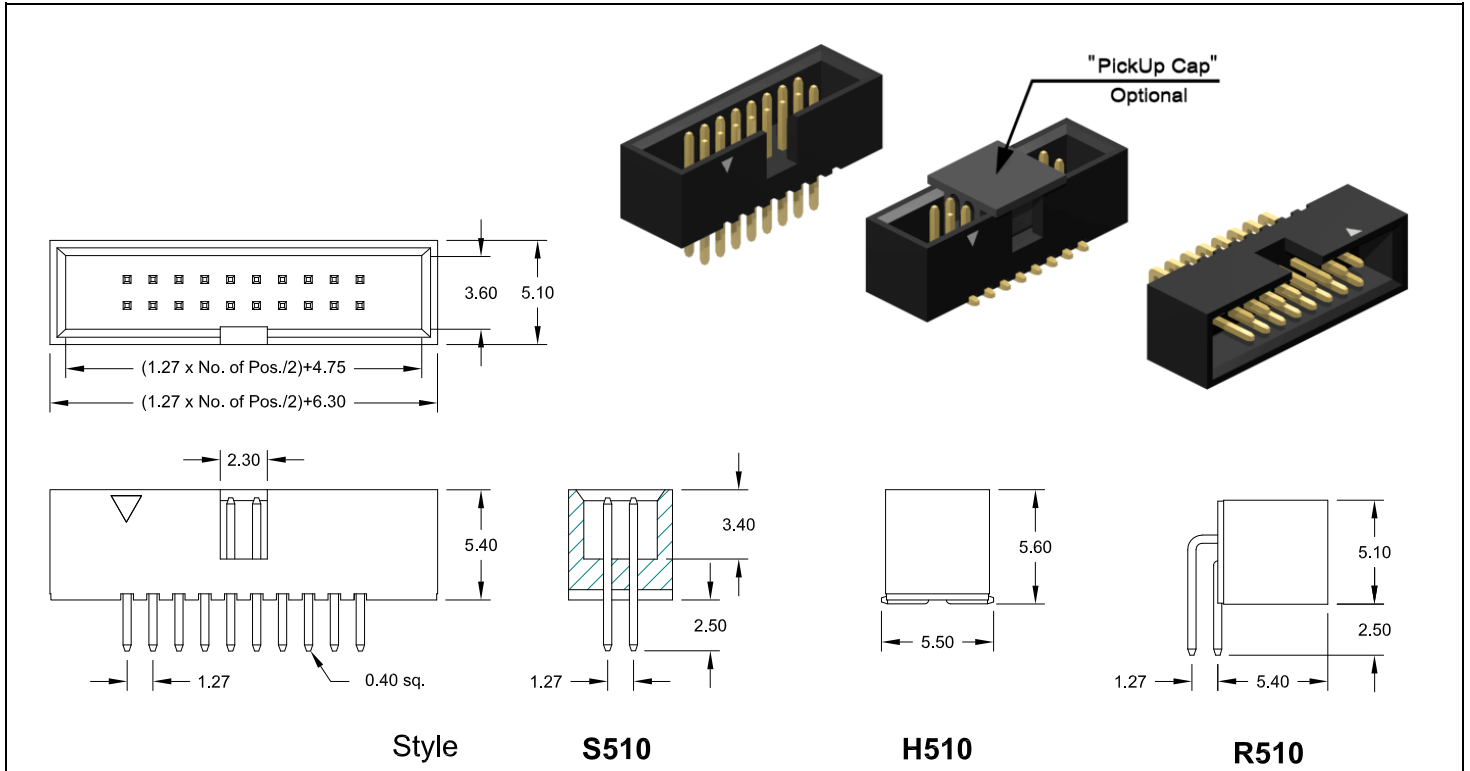
Mating with 1.27mm pitch Female Headers BS2-xxx-H45B- & -H45P-55/11 (page 33) as "board to board" connection.

No ejection latches for space saving.

How to order

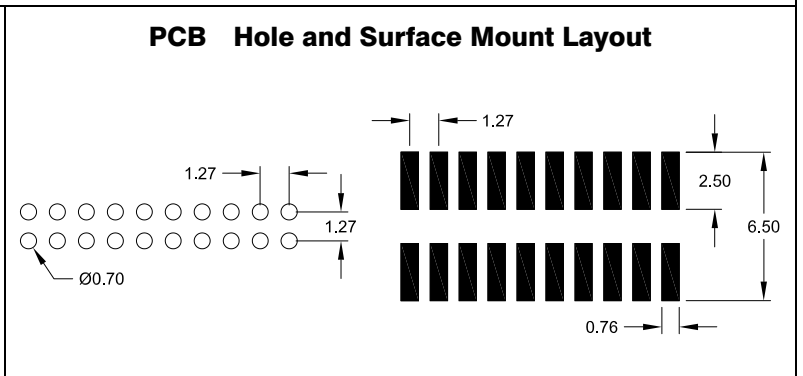
SLS - xxx - Xxxx - 55/11 X

Nbr of pins	Style	Plating	Packing Option	
010 to 100	<b>H610</b> Low Profile	55 = Gold other platings on request	D = Tube packing; with "PickUp Cap" E = Reel packing; with "PickUp Cap"	
	Raised Type			DIM "A"
	<b>HP20</b>			15.00 mm (standard)
	<b>HP21</b>			18.00 mm
	<b>HP22</b>			8.50 mm
	other dimensions on request			



**Application and Features**

- **Standard:**  
**Tray packing for S510 & R510 Style**  
**Tube packing for H510 Style**
- Designed to mate with IDC female connector IDS-xxx-W050-55/P
- Reliable flat cable to PCB connection
- No ejection latches for space saving

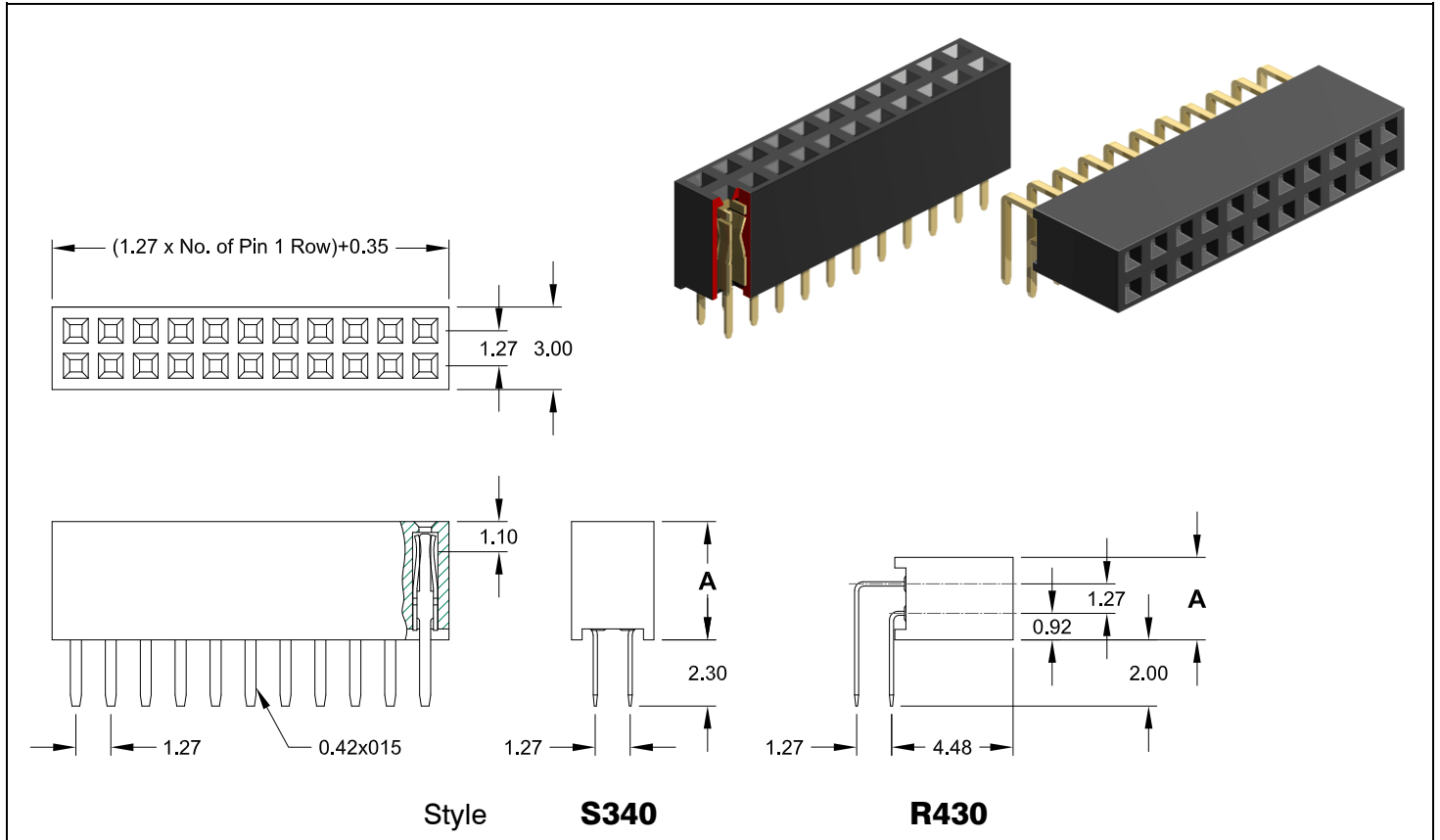


Specifications		
Current rating	1 A	Operating temperature -40°C to +105°C
Insulation resistance	1000 MΩ min.	Processing temperature (SMT) +250°C +0/-5°C for 5sec.
Withstanding voltage	500 V AC	Contact material (RoHS compliant) Copper Alloy
		Insulator material (RoHS compliant) LCP UL 94 V-0

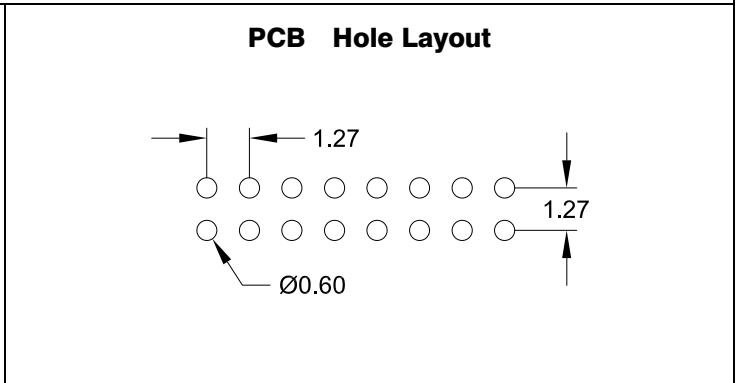
How to order

SLS - xxx - X 510 - 55/11 (X)

Nbr of pins	Pin Style	Plating	Option only for - H510 - Style
<b>010; 012; 014; 016</b> <b>020; 024; 026; 028</b> <b>030; 034; 040; 044</b> <b>050; 060; 064; 068</b> <b>080; 100</b>	<b>S</b> = straight <b>R</b> = right angle <b>H</b> = SMT	<b>55</b> = Gold  other platings on request	<b>A</b> = Tube packing; with "PickUp Cap" <b>B</b> = Reel packing; with "PickUp Cap"



Application and Features	
■	3.40 or 4.40mm height above board straight type
■	Hi-rel dual beam contact assures reliable PC-Board connections
■	Accepts 0.40mm square pins
■	Stand-off's facilitate post solder cleaning
■	Side stackable

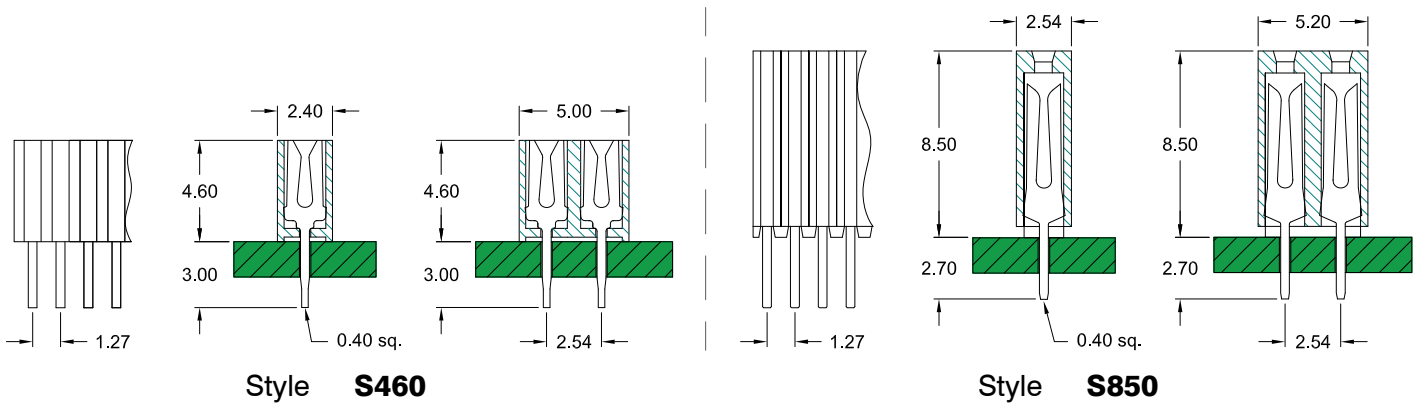
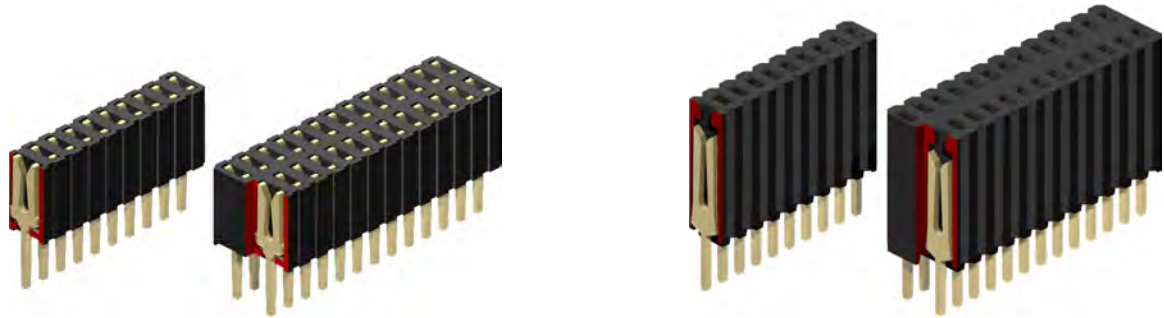


Specifications			
Current rating	1 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material	(RoHS compliant) Phosphor Bronze
Contact resistance	20 mΩ max.	Insulator material	(RoHS compliant) LCP UL 94 V-0
Withstanding voltage	500 V AC		

How to order

BL2 - xxx - X xxx - 55/11

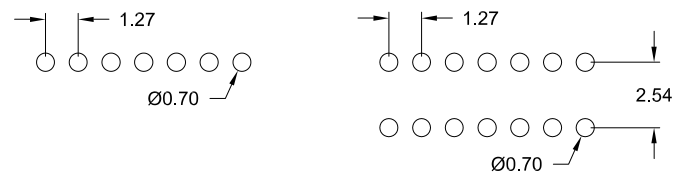
Nbr of contacts	Style	DIM "A"	Plating
006 to 100	S340 straight	3.40 mm	55 = Gold  other platings on request
004 to 100	S430 straight	4.40 mm	
004 to 100	R430 right angle	3.10 mm	



**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material <i>(RoHS compliant)</i>	Phosphor Bronze
Insulator material <i>(RoHS compliant)</i>	PA9T UL 94 V-0

**PCB Hole Layout**



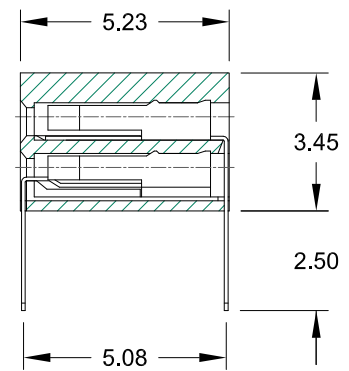
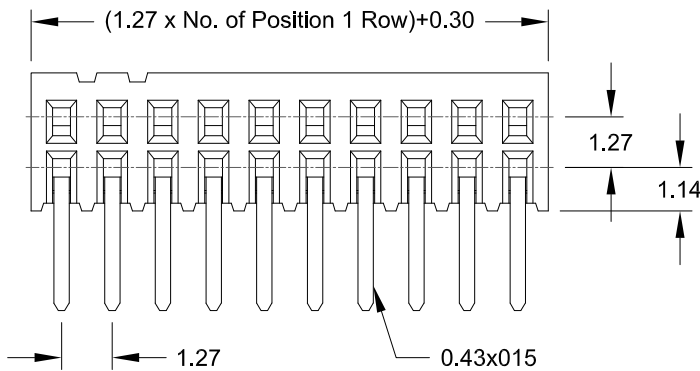
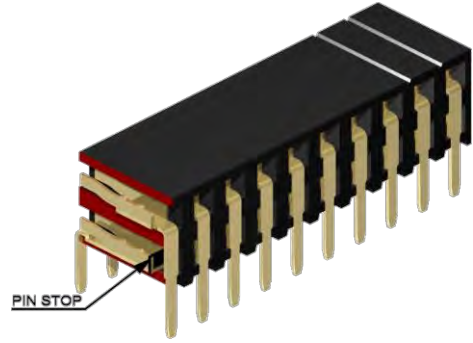
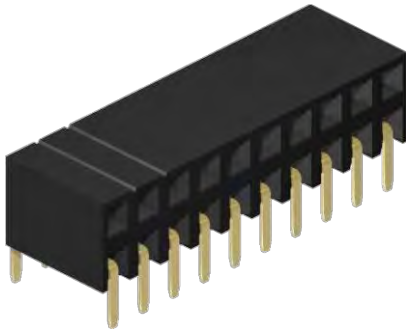
**Application and Features**

- Standard & low profile types
- Hi-rel fork contact design
- Mates with 0.46mm square or round Pin Header

**How to order**

**BL x - xxx - S xxx - 55/1**

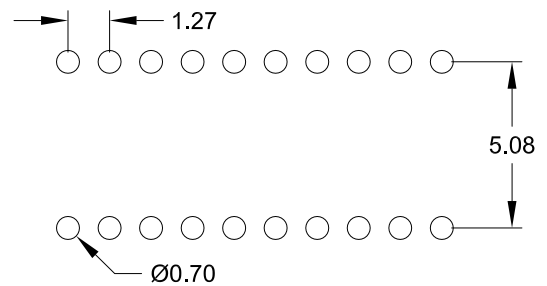
Rows	Nbr of contacts	Style (height above PCB)	Plating
<b>1</b> = single row	single row = <b>002</b> to <b>050</b>	<b>460</b> = 4.60 mm	<b>55</b> = Gold
<b>2</b> = dual row	dual row = <b>004</b> to <b>100</b>	<b>850</b> = 8.50 mm	other platings on request



**Application and Features**

- **Standard: Tube packing**
- Hi-rel dual beam contact with "Pin Stop" assures reliable connections
- Accepts 0.40mm square pins; Pin Header 1.27mm x 1.27mm
- 3.45mm height above board
- Stand-off's facilitate post solder cleaning

**PCB Hole Layout**



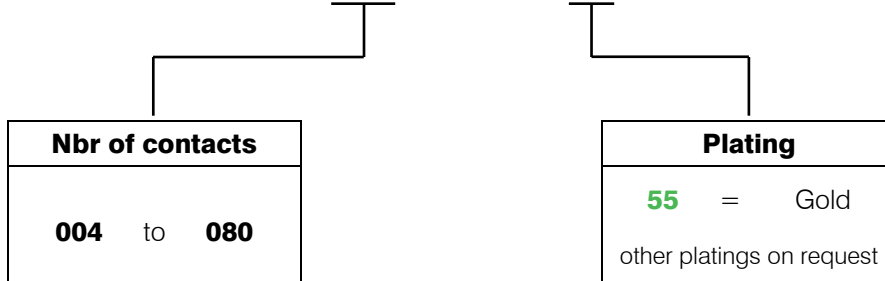
**Specifications**

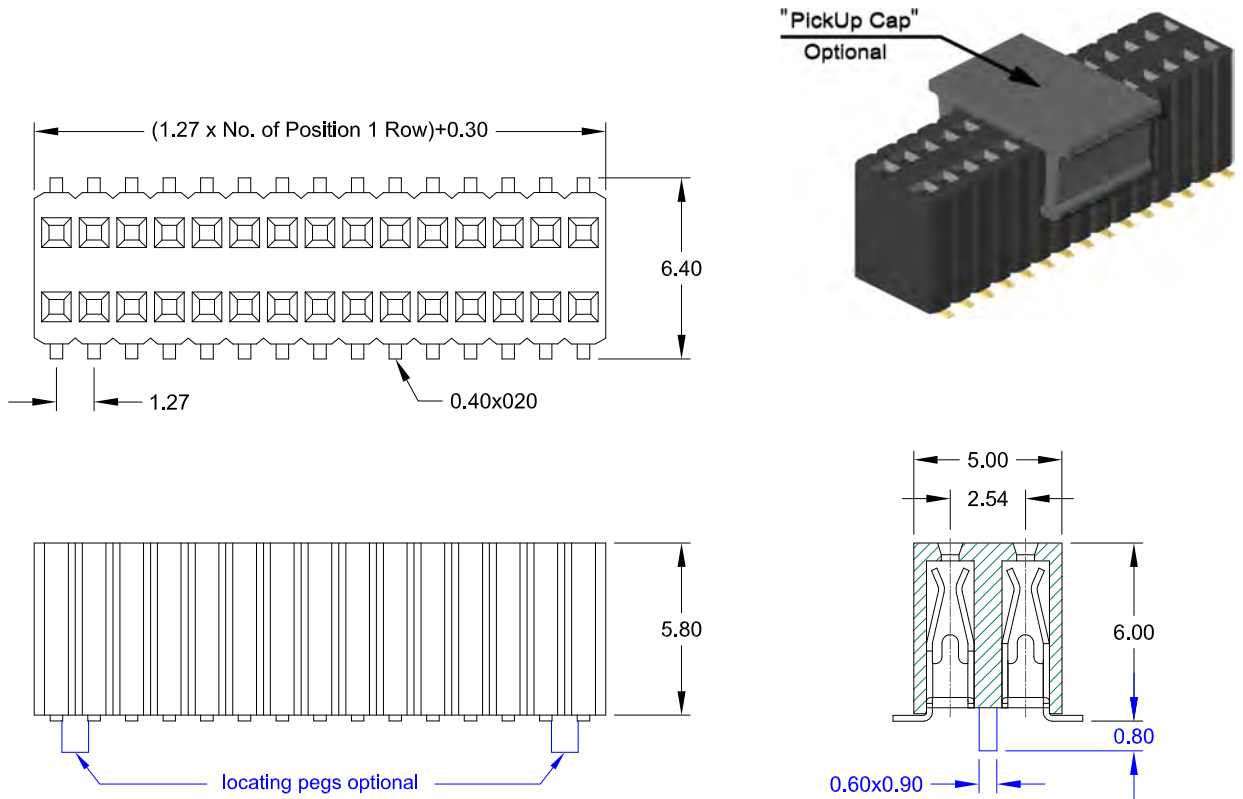
Current rating	1 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC

Operating temperature	- 40°C to +105°C
Contact material	(RoHS compliant) Phosphor Bronze
Insulator material	(RoHS compliant) PA6T UL 94 V-0

How to order

BH2 - xxx - R345 - 55/11

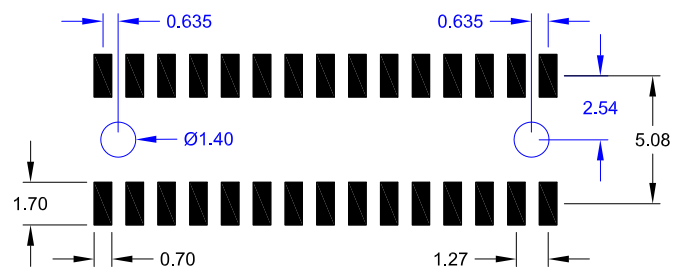




**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Phosphor Bronze
Insulator material	(RoHS compliant) PA6T UL 94 V-0

**PCB Surface Mount & Hole Layout**



**Application and Features**

**Standard: Tube packing, without "locating pegs" and without "PickUp Cap"**

Hi-rel inner contact design, mates with 0.46 mm square Pin Headers

**How to order**

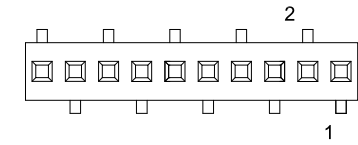
BS2 - xxx - H600 - 55/1 X

Nbr of contacts
006 to 100

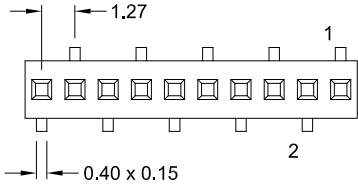
Plating
55 = Gold

Options
<b>without "locating pegs"</b>
<b>A</b> = Tube packing; with „PickUp Cap“
<b>B</b> = Reel packing; with „PickUp Cap“
<b>with "locating pegs"</b>
<b>C</b> = Tube packing; without „PickUp Cap“
<b>D</b> = Tube packing; with „PickUp Cap“
<b>E</b> = Reel packing; with „PickUp Cap“

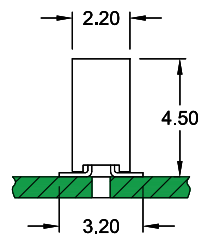
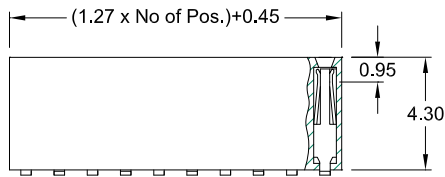
**Foot Style**



**450**



**451**



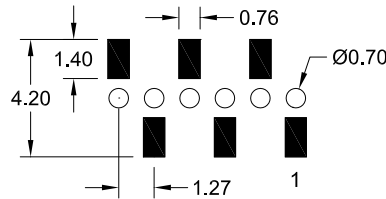
PickUp Tape  
Optional



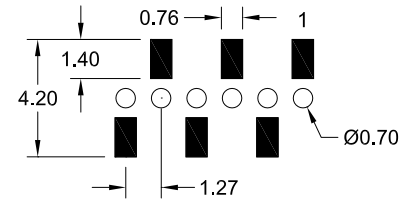
**Application and Features**

- **Standard:**  
**Tube packing, without "PickUp Tape"**
- Also available with "PickUp Tape" (Mylar) for automatic suck assembly to the PCB
- Low profile, 4.50mm height Type. Hi-rel dual beam contacts.
- Mating with 1.27mm pitch, 0.40mm square Pin Headers.
- Through Board mating possible

**PCB Surface Mount & Hole Layout**



Foot Style: **450**



**451**

**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC

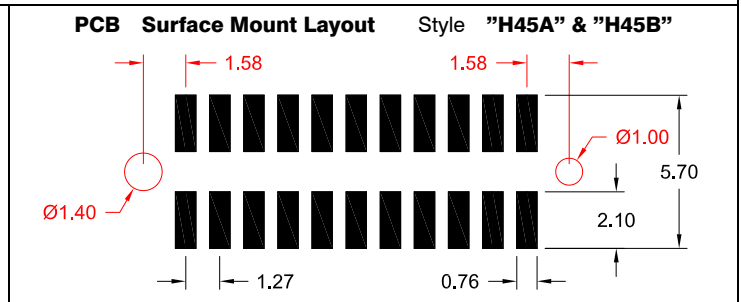
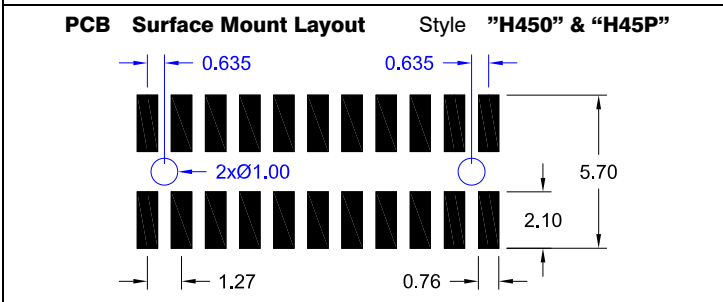
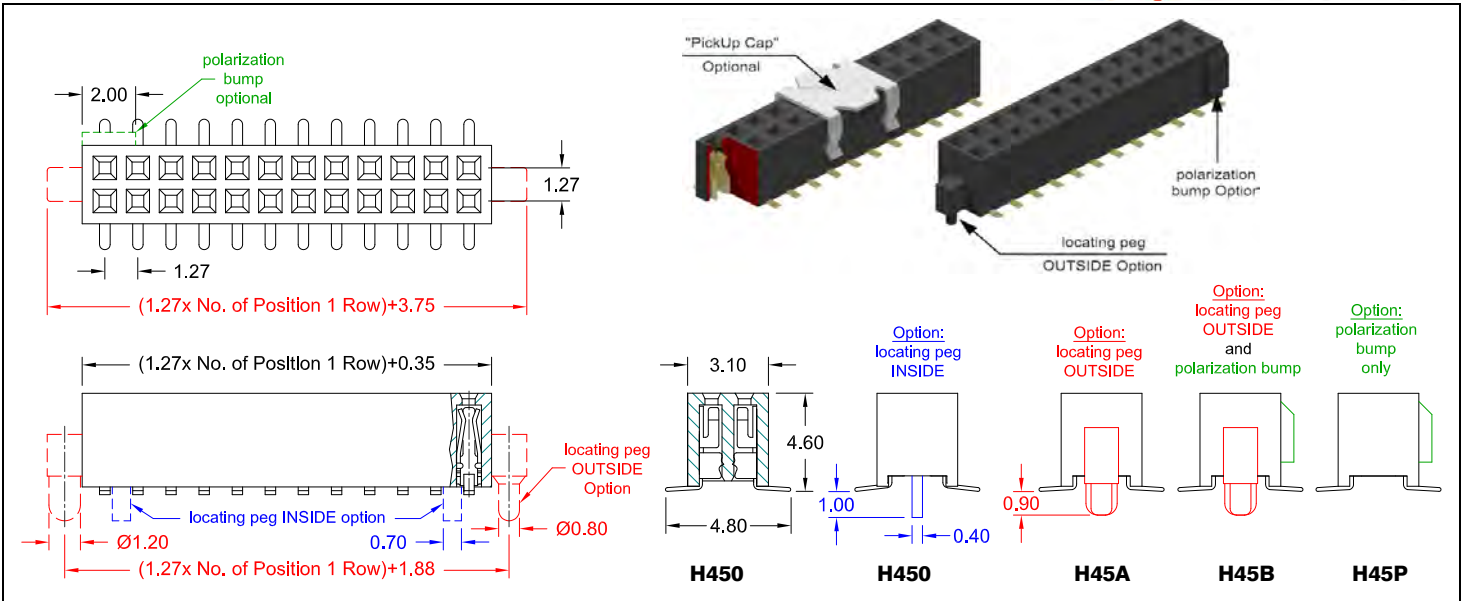
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material (RoHS compliant)	Phosphor Bronze
Insulator material (RoHS compliant)	PA9T UL 94 V-0

**How to order**

**BS1 - xxx - H xxx - 55/11 XX**

Nbr of contacts	Foot Style	Plating	Packing and "PickUp Tape" Option
<b>003 to 050</b>	<p><b>450</b> Pls. choose <b>450</b> Style if odd pin count.</p> <p><b>451</b> Foot style see above detail</p>	<b>55</b> = Gold	<p><b>AT</b> = Tube packing; with "PickUp Tape"</p> <p><b>BT</b> = Reel packing; with "PickUp Tape"</p>

1.27mm pitch Female Header  
- SMT - dual row 4.50mm profile



**Specifications**

Current rating	1 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Processing temperature	+250°C +0/-5°C for 5sec.
Contact resistance	20 mΩ max.	Contact material	PhBz (Gold flash plated)
Withstanding voltage	300 V AC	Insulator material	LCP UL 94 V-0

**Application and Features**

**Standard: Tube packing without "locating pegs", without "PickUp Cap" and without polarization bump**

Also available with "PickUp Cap" for automatic suck assembly to the PCB

Medium profile, 4.50mm height Type with Hi-rel dual beam contacts

Mating with 1.27mm pitch Box Header SLS-xxx-H610- & -HP2x-55/11 (page 26), or 1.27mm pitch 0.40mm square or round Pin Headers

**How to order**

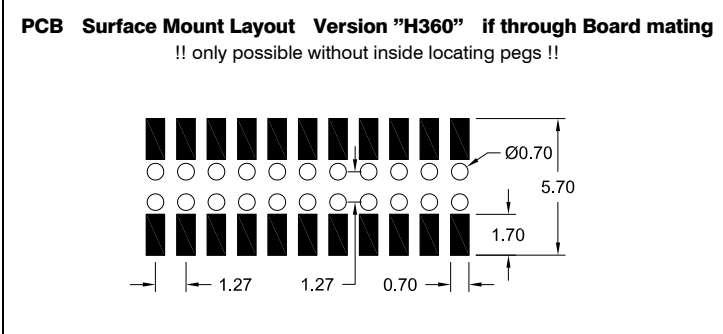
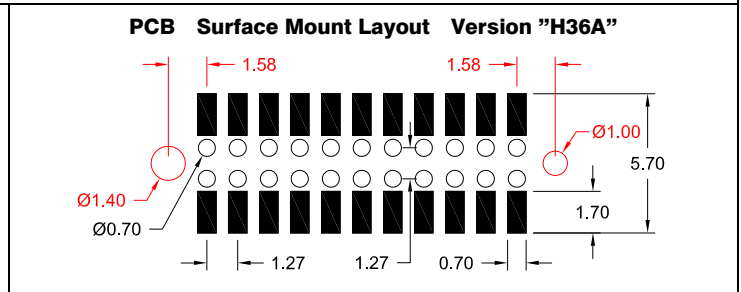
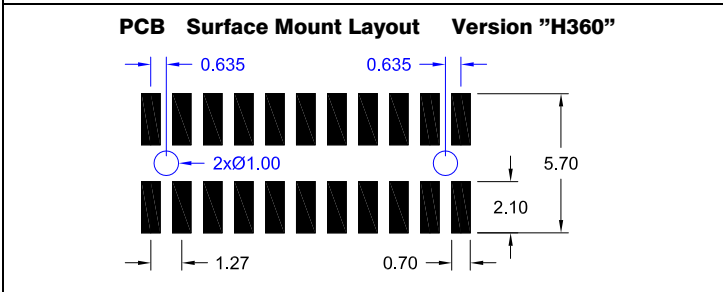
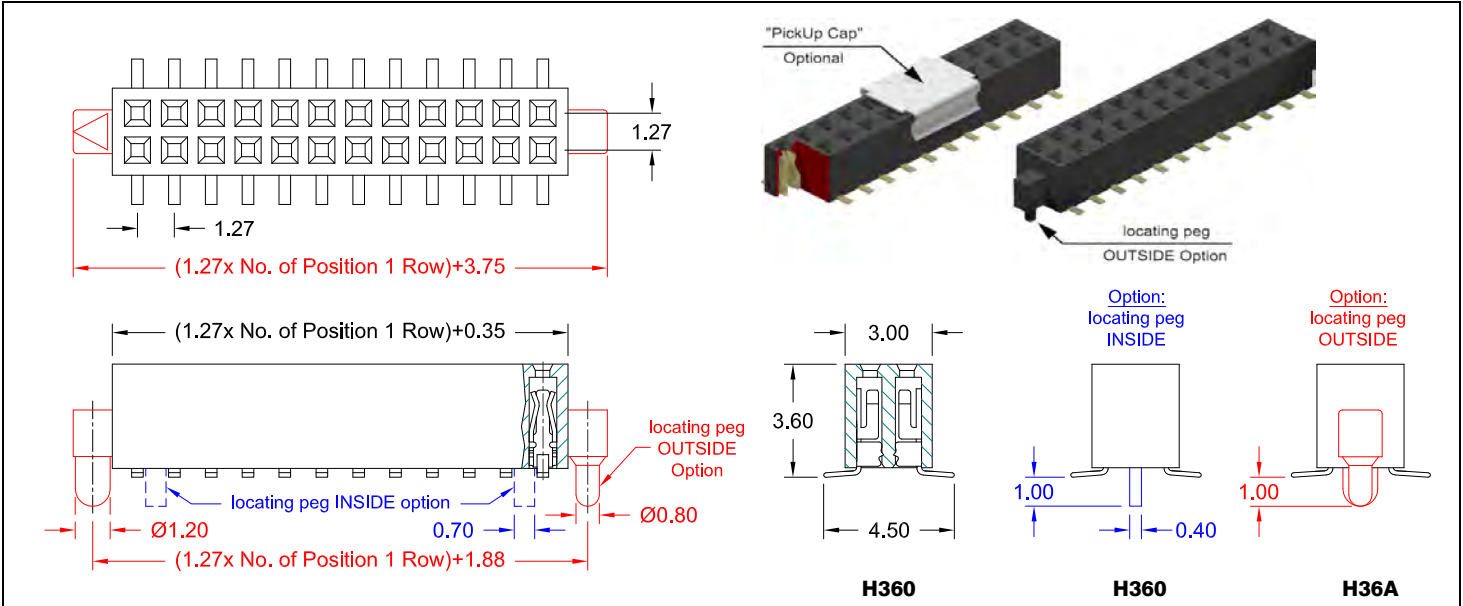
**BS2 - xxx - H xxx - 55/11 X**

Nbr of contacts	Style	Options
008 to 100	<b>450</b> = without & with inside locating pegs <b>45A</b> = with outside locating pegs <b>45B</b> = with outside locating pegs & polarization bump <b>45P</b> = with polarization bump; without locating pegs	<b>See below</b>
004 to 100 only		
BS2-xxx-H450-55/11 BS2-xxx-H450-55/11A BS2-xxx-H450-55/11B		

**Order Code Options:**

without "locating pegs"	with "locating pegs"
BS2-xxx-H450-55/11 = Tube packing; w/o „PickUp Cap“	BS2-xxx-H450-55/11C = Tube packing; w/o „PickUp Cap“
BS2-xxx-H45P-55/11 = Tube packing; w/o „PickUp Cap“	BS2-xxx-H450-55/11D = Tube packing; with „PickUp Cap“
BS2-xxx-H450-55/11A = Tube packing; with „PickUp Cap“	BS2-xxx-H45A-55/11D = Tube packing; with „PickUp Cap“
BS2-xxx-H45P-55/11A = Tube packing; with „PickUp Cap“	BS2-xxx-H45B-55/11D = Tube packing; with „PickUp Cap“
BS2-xxx-H450-55/11B = Reel packing; with „PickUp Cap“	BS2-xxx-H450-55/11E = Reel packing; with „PickUp Cap“
BS2-xxx-H45P-55/11B = Reel packing; with „PickUp Cap“	BS2-xxx-H45A-55/11E = Reel packing; with „PickUp Cap“
	BS2-xxx-H45B-55/11E = Reel packing; with „PickUp Cap“

- SMT - dual row 3.60mm profile



**Application and Features**

- **Standard: Tube packing, without locating pegs and without "PickUp Cap"**
- Also available with "PickUp Cap" for automatic suck assembly to the PCB
- Low profile, 3.60mm height Type. Hi-rel dual beam contacts.
- Mating with 1.27mm x 1.27mm pitch, 0.40mm square Pin Headers.
- Through Board mating possible

**SPECIFICATIONS**

Current rating	1 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Processing temperature	+250°C +0/-5°C for 5sec.
Contact resistance	20 mΩ max.	Contact material	PhBz (Gold flash plated)
Withstanding voltage	300 V AC	Insulator material	(RoHS compliant) LCP UL 94 V-0

**How to order**

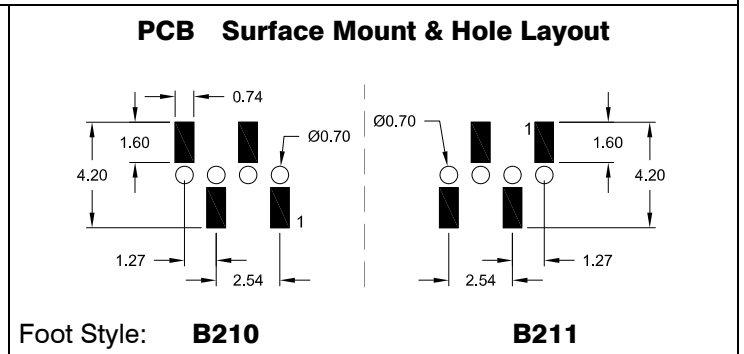
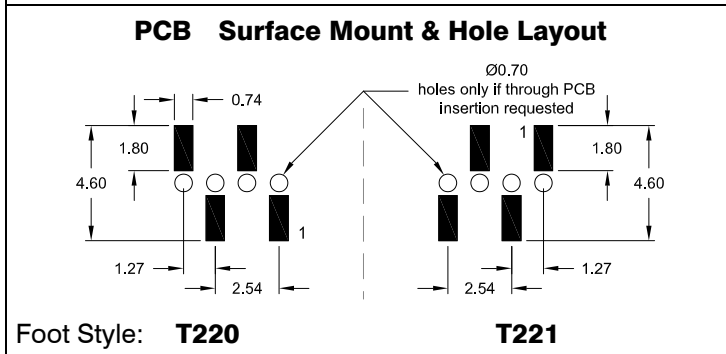
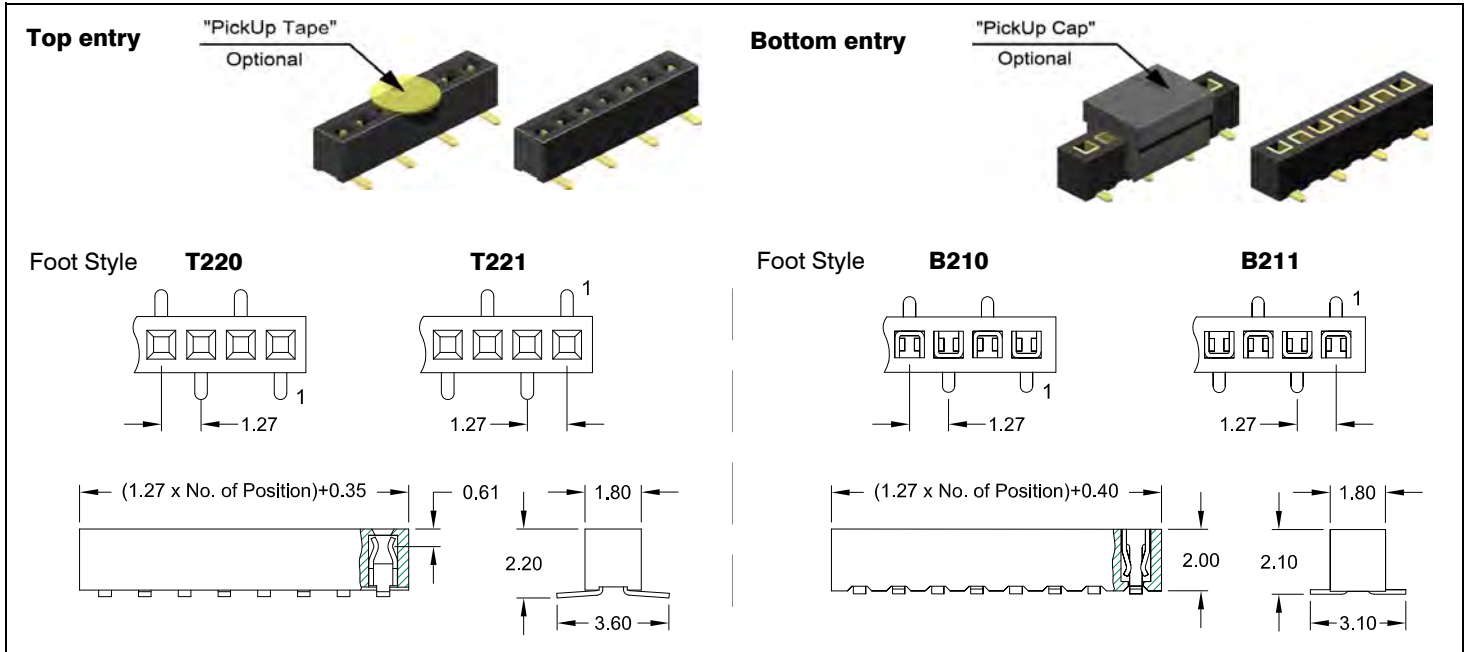
**BS2 - xxx - H xxx - 55/11 X**

Nbr of contacts	Style	Options
006 to 100	<b>360</b> = without & with inside locating pegs <b>36A</b> = with outside locating pegs	See below

**Order Code Options**

without "locating pegs"	with "locating pegs"
BS2-xxx-H360-55/11 = Tube packing; w/o „PickUp Cap“	BS2-xxx-H360-55/11C = Tube packing; w/o „PickUp Cap“
BS2-xxx-H360-55/11A = Tube packing; with „PickUp Cap“	BS2-xxx-H360-55/11D = Tube packing; with „PickUp Cap“
BS2-xxx-H360-55/11B = Reel packing; with „PickUp Cap“	BS2-xxx-H36A-55/11D = Tube packing; with „PickUp Cap“
	BS2-xxx-H360-55/11E = Reel packing; with „PickUp Cap“
	BS2-xxx-H36A-55/11E = Reel packing; with „PickUp Cap“

1.27mm pitch Female Header - SMT-  
single row 2.10 & 2.20mm profile



**Application and Features**

- **Standard: Tube packing, without "PickUp Cap" Option**
- Also available "Reel" packing.
- Low profile, 2.10 & 2.20mm height. Hi-rel dual beam contacts.
- Mate with 1.27mm pitch 0.40mm square or round Pin Headers.
- Designed for board to board small spacing interconnection.

**Specifications**

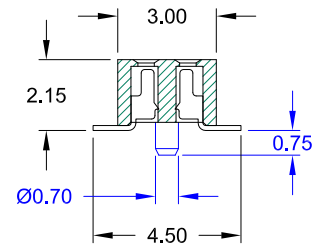
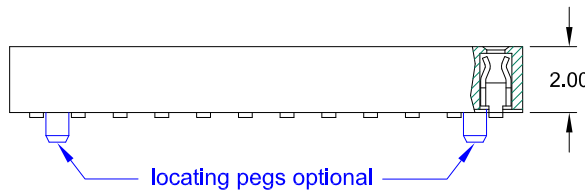
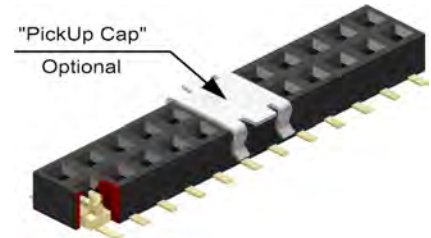
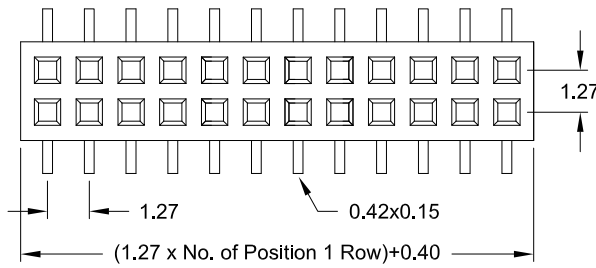
Current rating	1 A
Insulation resistance	1000 MΩ min
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Phosphor Bronze
Insulator material	(RoHS compliant) TB21x = PA6T UL 94 V-0 TB22x = PA9T UL 94 V-0

How to order

BS1 - xxx - X xxx - 55/11 XX

Nbr of contacts	Foot Style	Plating	Packing and „PickUp Cap“ Option
Top Entry (T22x) <b>003 to 040</b>	Top Entry <b>T220 ; T221</b>	<b>55</b> = Gold	<b>if B210 &amp; B211 Type</b> <b>A</b> = Tube packing; with „PickUp Cap“ <b>B</b> = Reel packing; with „PickUp Cap“ <b>if T220 &amp; T221 Type</b> <b>AT</b> = Tube packing; with „PickUp Tape“ <b>BT</b> = Reel packing; with „PickUp Tape“
Bottom Entry(B21x) <b>003 to 050</b>	Bottom Entry <b>B210 ; B211</b>  Pls. choose <b>T220</b> or <b>B210</b> style if odd pin count. Foot Style see above detail		

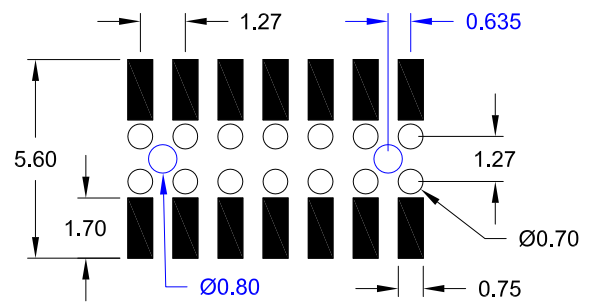
When using this female connector as a bottom entry connector, we recommend that the Pin Header pins protrude by around 2.00mm above the surface of the female connector after assembly. This will avoid any risk of separation of the Pin Header from the Female Header during shock and vibration.



### Application and Features

- **Standard: Tube packing, without locating pegs and without "PickUp Cap"**
- Also available "Reel" packing.
- Low profile, 2.20mm height. Hi-rel dual beam contacts.
- Mating with 1.27mm x 1.27mm pitch 0.40mm square or round Pin Headers.
- Designed for board to board small spacing interconnection.

### PCB Surface Mount & Hole Layout



### Specifications

Current rating	1 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC

Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	Phosphor Bronze (RoHS compliant)
Insulator material	LCP UL 94 V-0 (RoHS compliant)

### How to order

BS2 - xxx - TB22 - 55/11 X

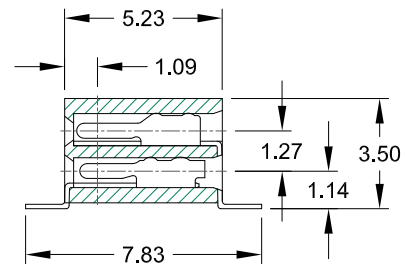
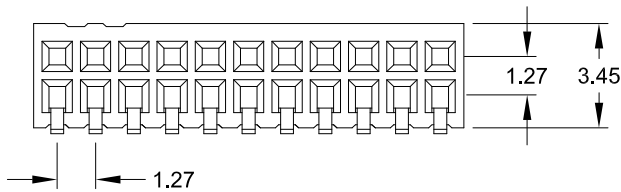
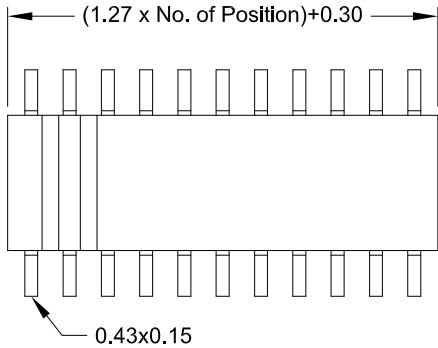
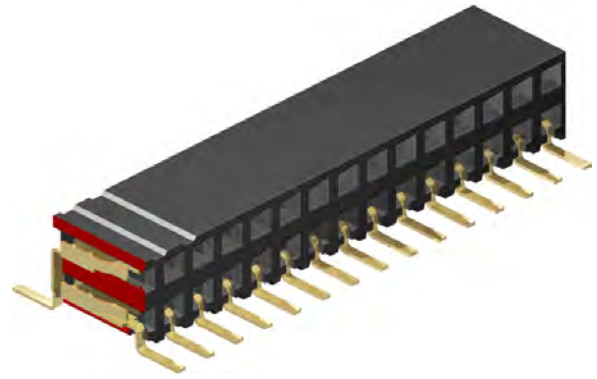
Nbr of contacts
006 to 080

Plating
55 = Gold

Options	
without "locating pegs"	
<b>A</b>	= Tube packing; with „PickUp Cap“
<b>B</b>	= Reel packing; with „PickUp Cap“
with "locating pegs"	
<b>C</b>	= Tube packing; without „PickUp Cap“
<b>D</b>	= Tube packing; with „PickUp Cap“
<b>E</b>	= Reel packing; with „PickUp Cap“

When using this female connector as a bottom entry connector, we recommend that the Pin Header pins protrude by around 2.00mm above the surface of the female connector after assembly. This will avoid any risk of separation of the Pin Header from the Female Header during shock and vibration.

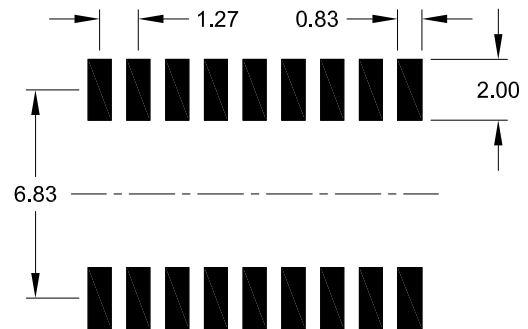
- SMT- side entry



### Application and Features

- **Standard: Tube packing**
- Hi-rel dual beam contact assures reliable PC-Board connections
- Accepts 0.40mm square pins; Pin Header 1.27mm x 1.27 mm
- 3.50mm height above board
- Automatic assembly to PCB possible

### PCB Surface Mount Layout

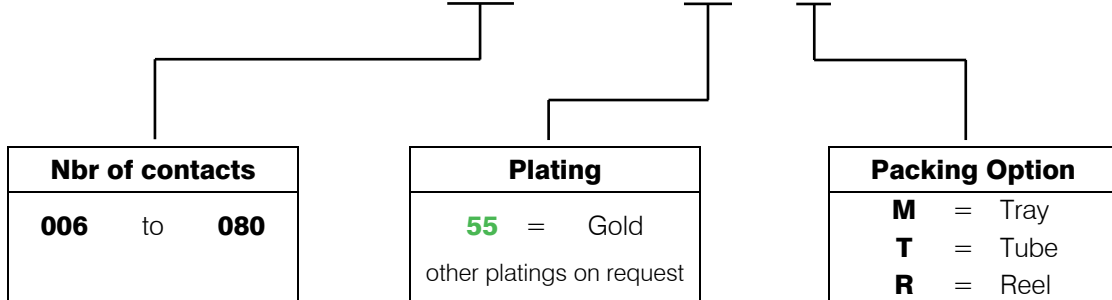


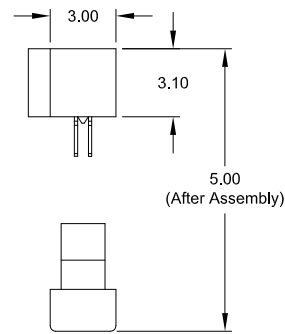
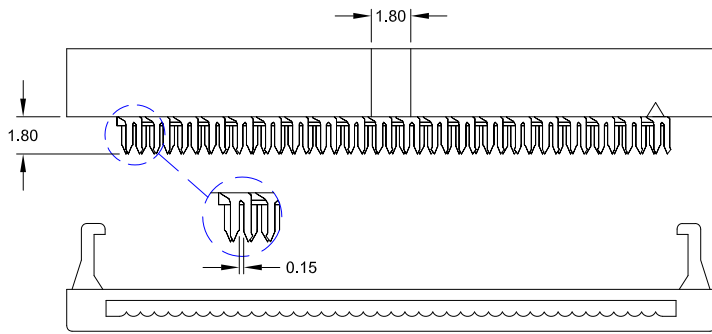
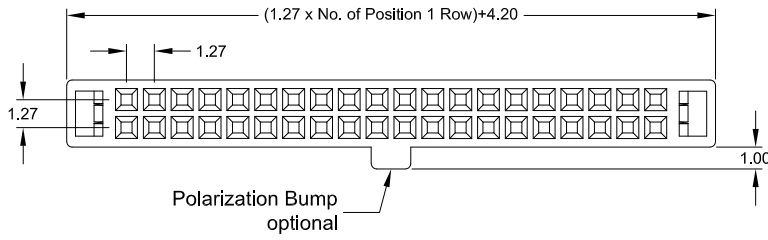
### Specifications

Current rating	1 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Processing temperature	+250°C +0/-5°C for 5sec.
Contact resistance	20 mΩ max.	Contact material	(RoHS compliant) Phosphor Bronze
Withstanding voltage	500 V AC	Insulator material	(RoHS compliant) LCP UL 94 V-0

### How to order

BS2 - xxx - R345 - 55/11 X





**Specifications**

Current rating	0.5 A	Operating temperature	- 40°C to +105°C
Contact resistance	30 mΩ max.	Contact material	(RoHS compliant) Phosphor Bronze
Insulation resistance	1000 MΩ min.	Insulator material	(RoHS compliant) PBT black UL 94 V-0
Withstanding voltage	250 V AC		

**Application and Features**

Designed to mate with 0.40mm square pins, Box (Shrouded) Header Type  
 SLS – xxx – X 510 – 55/11  
 High Quality dual beam contacts.  
 Accepts 30 AWG 0.635mm pitch flat ribbon cable.

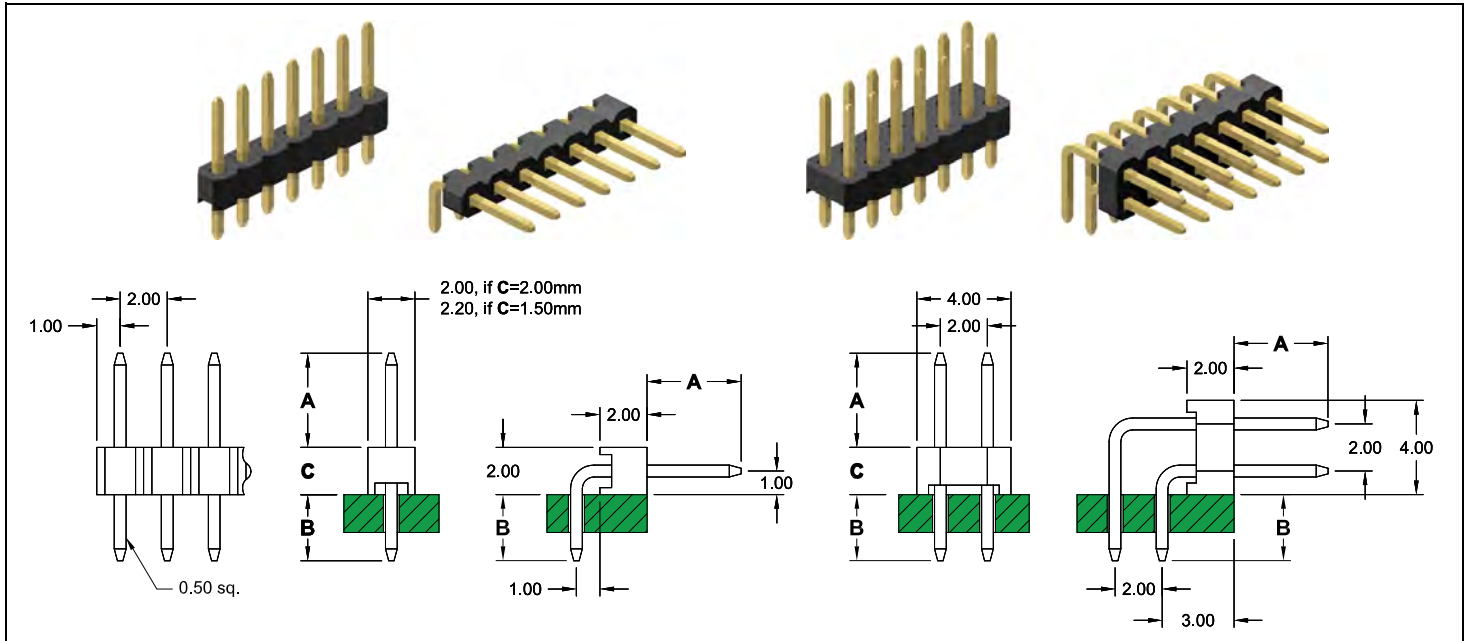
**How to order**

IDS - xxx - W050 - 55 /P

Nbr of contacts
006; 008; 010; 012
014; 016; 020; 022
024; 026; 030; 034
036; 040; 044; 050
060; 064; 068; 080

Plating
55 = Gold

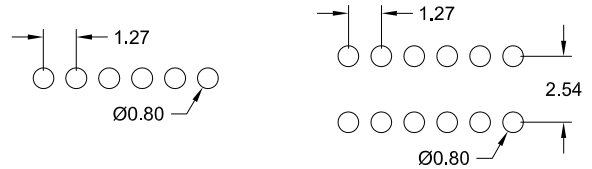
Option
/P
if Polarization bump is requested



**Specifications**

Current rating	2 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	Copper alloy
Insulator material	PBT or PA6T UL 94 V-0
	<b>Standard :</b> PBT

**PCB Hole Layout**



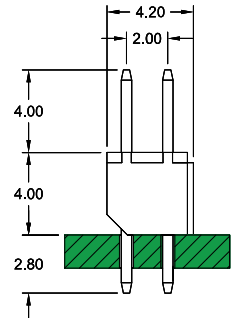
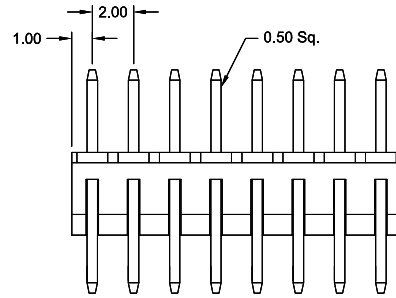
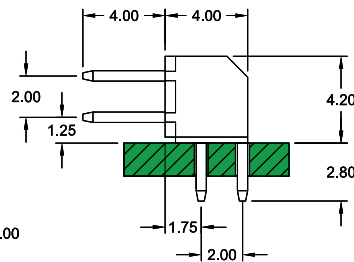
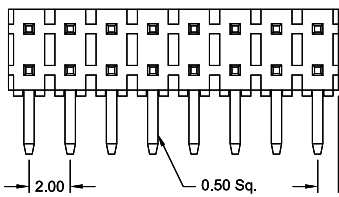
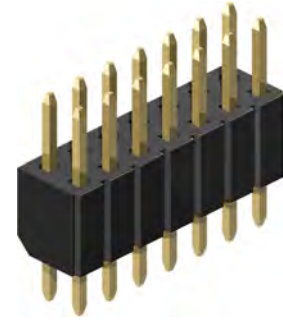
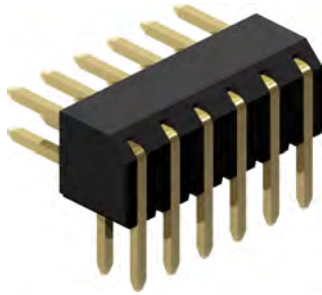
**Application and Features**

- Side and end stackable.
- Variable terminal lengths as well as two insulator thicknesses available for the straight type.
- Notches for easy breaking.
- Straight type with standoff's for post solder cleaning.

**How to order**

SL x - xxx - X xxx/xx - 55/2

Rows	Nbr of pins	Pin Style	DIM "C"	Material Code	Pin code	DIM "A"	DIM "B"	Plating
1 = single row	002 to 040	straight	2.00 mm	S = P.B.T. N = PA6T	088/01: 4.00 mm 088/02: 6.00 mm 088/03: 6.80 mm 088/04: 4.00 mm 088/05: 3.70 mm	2.80 mm 2.80 mm 3.00 mm 4.00 mm 5.00 mm	55 = Gold (standard) 99 = Tin (leadfree tin) other platings on request	
			1.50 mm	B = PA6T	096/00: 4.00 mm 096/01: 6.00 mm 096/02: 4.50 mm 096/03: 1.70 mm 096/04: 4.00 mm 096/05: 3.20 mm 096/06: 4.00 mm 096/07: 7.00 mm 096/08: 3.60 mm 096/09: 21.00 mm 096/10: 5.10 mm	2.80 mm 2.10 mm 4.00 mm 8.80 mm 2.30 mm 3.50 mm 4.00 mm 2.20 mm 3.00 mm 2.54 mm 3.00 mm		
2 = dual row	004 to 080	right angle	2.00 mm	R = P.B.T. K = PA6T	106/00: 3.20 mm 106/01: 4.00 mm 106/02: 10.00 mm 106/03: 11.00 mm 106/04: 2.50 mm 106/05: 5.00 mm 106/06: 11.00 mm 106/07: 6.00 mm	3.20 mm 2.80 mm 2.80 mm 2.80 mm 2.80 mm 2.80 mm 2.40 mm 2.80 mm		
					other dimensions on request			



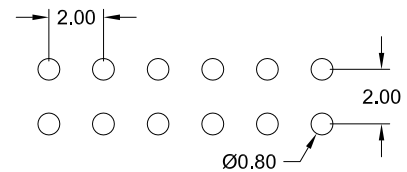
Style **R430**

Style **S400**

**Specifications**

Current rating	2 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	(RoHS compliant) Copper alloy
Insulator material	(RoHS compliant) PA6T UL 94 V-0

**PCB Hole Layout**



**Application and Features**

High Base Insulator standoff's facilitate post solder cleaning

Side stackable

Mate with 2.00mm pitch Female and Shunt Connector

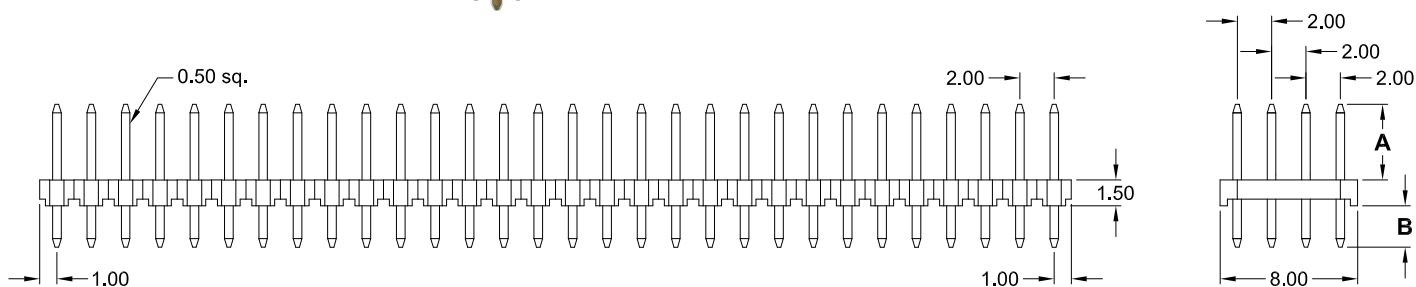
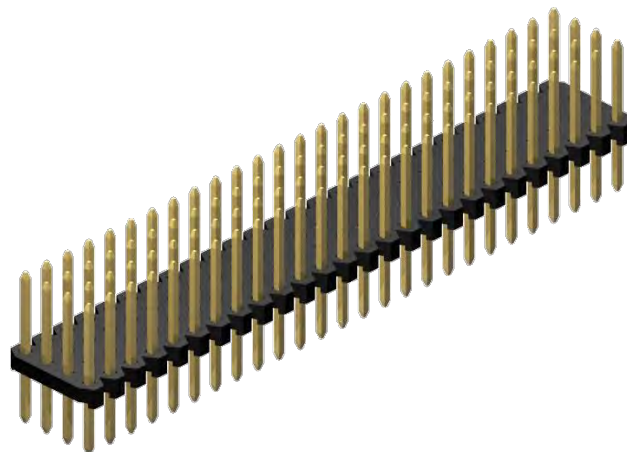
**How to order**

SE2 - xxx - X xxx - xx/2

Nbr of pins
<b>004</b> to <b>080</b>

Pin Style
<b>S400</b> = straight
<b>R430</b> = right angle

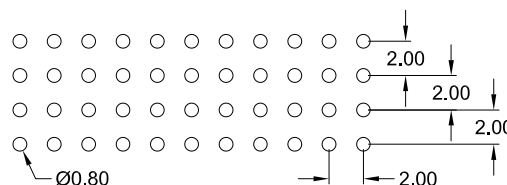
Plating
<b>55</b> = Gold
<b>95</b> = Tin/Gold <i>(tin leadfree)</i>
other platings on request



**Specifications**

Current rating	2 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	(RoHS compliant) Copper alloy
Insulator material	(RoHS compliant) PA6T UL 94 V-0

**PCB Hole Layout**



**Application and Features**

Designed for “board to board” small spacing interconnection  
 Variable terminal length available  
 With standoff’s for post solder cleaning  
 Mate with Female Header BL4 – xxx – S630/x – xx/2

**How to order**

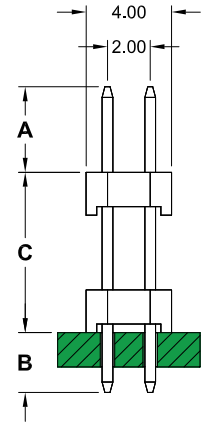
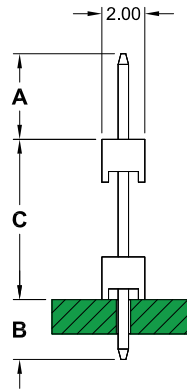
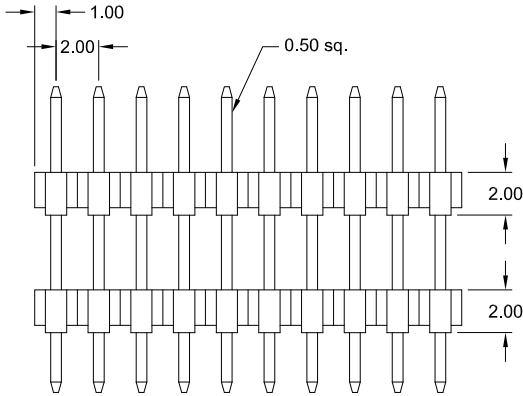
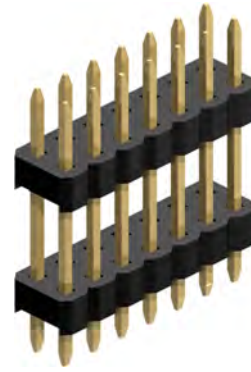
SL4 - xxx - S xxx/x - 55/2

Nbr of pins
<b>008</b> to <b>160</b>

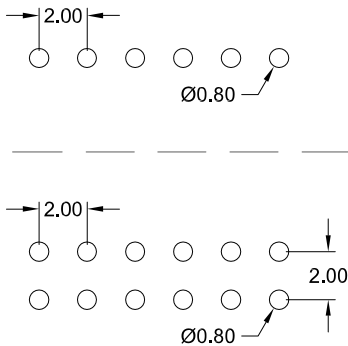
Pin code	DIM “A”	DIM “B”
<b>830/0</b>	4.40 mm	2.40 mm
<b>830/1</b>	8.60 mm	3.60 mm
<b>830/2</b>	3.20 mm	3.50 mm
<b>830/3</b>	12.00 mm	2.40 mm
<b>830/4</b>	7.40 mm	2.70 mm
other dimensions on request		

Plating
<b>55</b> = Gold
other platings on request

- THT - single & dual row



**PCB Hole Layout**



**Specifications**

Current rating	2 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	Copper alloy <i>(RoHS compliant)</i>
Insulator material	PBT or PA6T, UL 94 V-0 <i>(RoHS compliant)</i> <b>Standard : PBT</b>

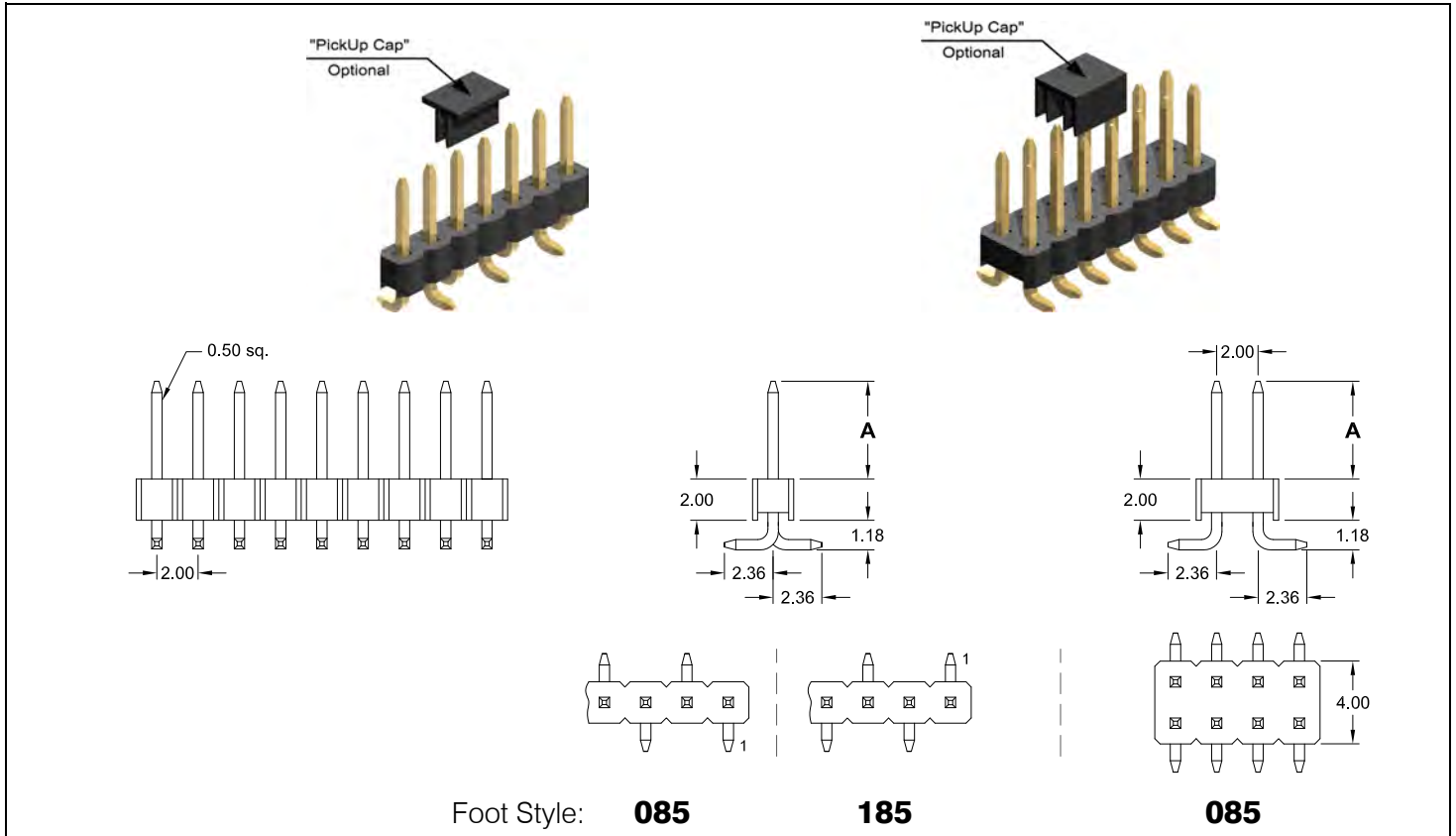
Pin code	DIM "A"	DIM "B"	DIM "C"
<b>143/02</b>	6.80 mm	2.80 mm	4.70 mm
<b>104/01</b>	2.70 mm	2.70 mm	5.00 mm
<b>136/02</b>	5.30 mm	3.20 mm	5.10 mm
<b>191/01</b>	9.30 mm	4.30 mm	5.50 mm
<b>117/01</b>	2.80 mm	2.80 mm	6.10 mm
<b>143/01</b>	4.00 mm	2.80 mm	7.50 mm
<b>143/03</b>	2.40 mm	3.90 mm	8.00 mm
<b>150/01</b>	4.00 mm	2.50 mm	8.50 mm
<b>163/01</b>	4.00 mm	2.80 mm	9.50 mm
<b>180/03</b>	5.00 mm	3.00 mm	10.00 mm
<b>170/01</b>	3.00 mm	3.00 mm	11.00 mm
<b>180/02</b>	3.00 mm	3.00 mm	12.00 mm
<b>210/01</b>	6.00 mm	3.00 mm	12.00 mm
<b>260/04</b>	9.00 mm	4.00 mm	13.00 mm
<b>220/01</b>	4.00 mm	2.80 mm	15.25 mm
<b>252/02</b>	5.20 mm	4.20 mm	15.80 mm
<b>300/03</b>	10.00 mm	3.00 mm	17.00 mm
<b>225/01</b>	2.50 mm	2.50 mm	17.50 mm
<b>270/02</b>	4.00 mm	3.00 mm	20.00 mm
<b>410/01</b>	9.00 mm	4.00 mm	28.00 mm
<b>432/01</b>	3.20 mm	3.20 mm	36.80 mm

other dimensions on request

**How to order**

**SP x - xxx - X xxx/xx - 55/2**

<b>Rows</b>	<b>Nbr of pins</b>	<b>Insulator</b>	<b>Pin code</b>	<b>Plating</b>
<b>1</b> = single row	<b>002</b> to <b>040</b>	<b>S</b> = PBT <b>N</b> = PA6T	dimension and others see above table	<b>55</b> = Gold
<b>2</b> = dual row	<b>004</b> to <b>080</b>	PA6T processing temp.: +250°C +0/-5°C for 5sec.		other platings on request

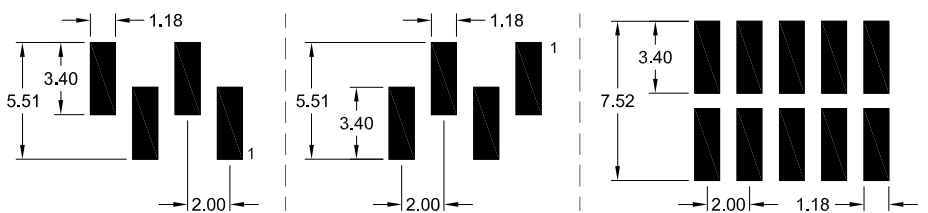


Foot Style: **085**                      **185**                      **085**

**Application and Features**

- **Standard: Tube packing and without "PickUp Cap"**
- Low Profile Insulator
- Assures reliable PC Board connections
- Mate with Female Header 2.00mm pitch

**PCB Surface Mount Layout**



Foot Style: **085** (single row)                      **185** (single row)                      **085** (dual row)

**Specifications**

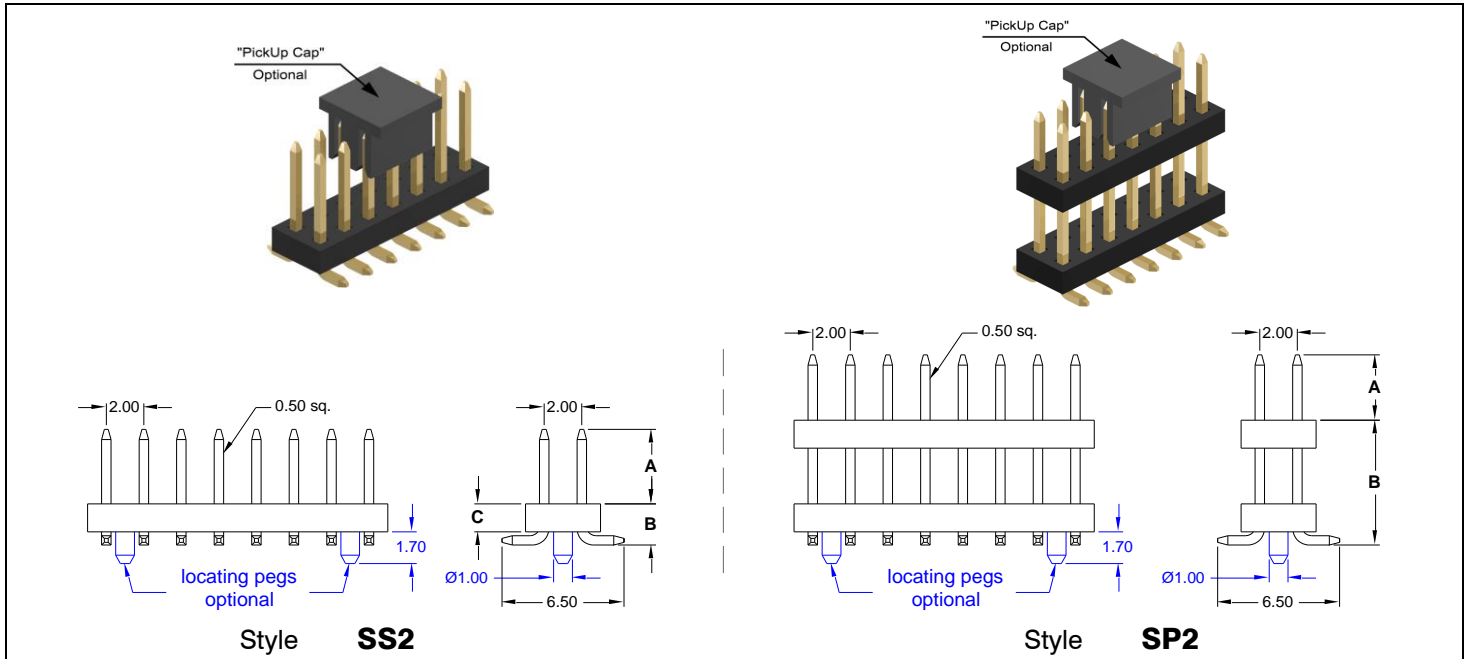
Current rating	2 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Processing temperature	+250°C +0/-5°C for 5sec.
Withstanding voltage	500 V AC	Contact material	(RoHS compliant) Brass
		Insulator material	(RoHS compliant) PA6T UL 94 V-0

**How to order**

SS x - xxx - H xxx / x - 55/2 X

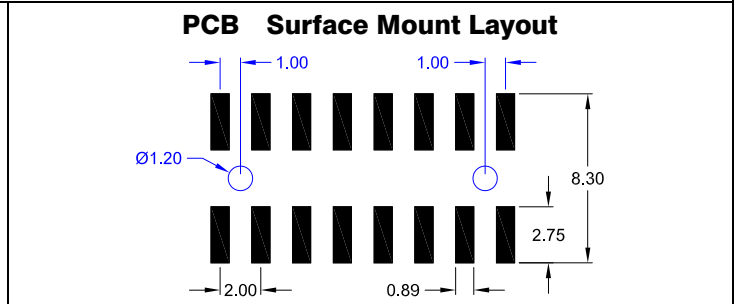
Rows	Nbr of pins	Foot Style	Pin code	DIM "A"	Plating	Packing and „PickUp Cap“ Option
1 single row	002 to 040	085 185 <small>Pls. choose 085 Style if odd pin count.</small>	0 1 2 3 4 5 6 7	4.73 mm 6.00 mm 13.57 mm 6.50 mm 8.07 mm 7.62 mm 9.10 mm 10.00 mm	55 = Gold  other platings on request	A = Tube packing; with „PickUp Cap“  B = Reel packing; with „PickUp Cap“
2 dual row	004 to 080	085	other dimensions on request			

- SMT - Pin Header & Board Spacer



**Application and Features**

- **Standard: Tube packing, without "locating pegs" and without "PickUp Cap"**
- Designed for "board to board" spacing
- Variable terminal length available
- Mate with Female Header 2.00 x 2.00mm pitch



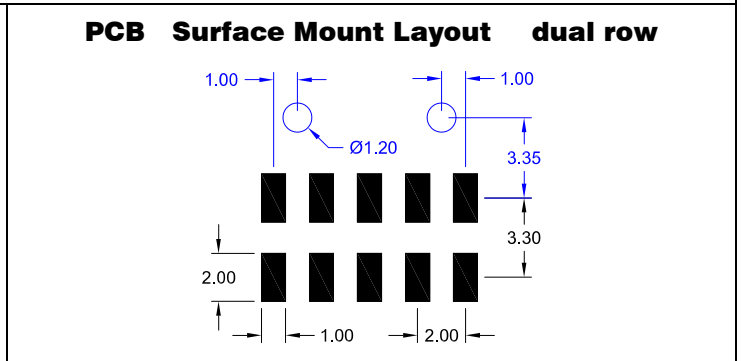
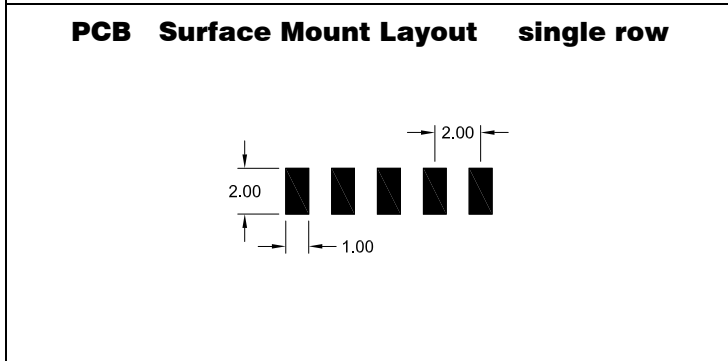
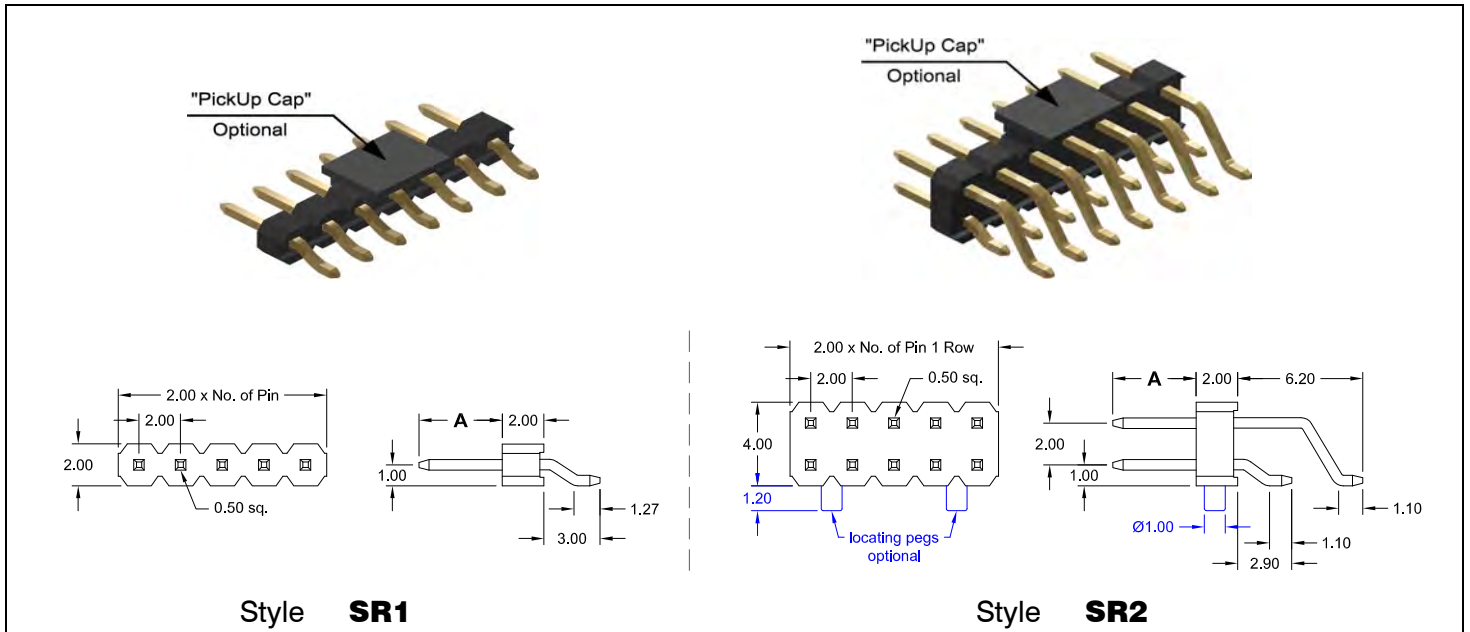
**Specifications**

Current rating	2 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Processing temperature	+250°C +0/-5°C for 5sec.
Contact resistance	20 mΩ max.	Contact material	(RoHS compliant) Copper alloy
Withstanding voltage	500 V AC	Insulator material	(RoHS compliant) PA6T or PA9T UL 94 V-0

How to order

S X 2 - xxx - HX xxx/x - 55/2 X

Style	Nbr of pins	Material	Pin code	DIM "A"	DIM "B"	DIM "C"	Plating	Options
<b>S</b> Low Profile	<b>006</b> to <b>050</b>	<b>H</b> = PA6T	<b>064/0</b>	6.00 mm	2.20 mm	1.50 mm	<b>55</b> = Gold	<b>without "locating pegs"</b> <b>A</b> = Tube packing; with "PickUp Cap" <b>B</b> = Reel packing; with "PickUp Cap"
			<b>064/1</b>	4.00 mm	2.20 mm	1.50 mm		
			<b>064/2</b>	3.50 mm	2.70 mm	2.00 mm		
			<b>064/3</b>	5.80 mm	2.20 mm	1.50 mm		
			<b>064/4</b>	3.20 mm	2.20 mm	1.50 mm		
			<b>064/5</b>	3.60 mm	2.20 mm	1.50 mm		
			<b>064/6</b>	4.00 mm	2.70 mm	2.00 mm		
			<b>064/7</b>	13.50 mm	2.65 mm	2.00 mm		
			<b>064/8</b>	9.50 mm	2.20 mm	1.50 mm		
			<b>064/9</b>	8.00 mm	2.20 mm	1.50 mm		
<b>P</b> Board Spacer	<b>006</b> to <b>050</b>	<b>HN</b> = PA9T	<b>065/0</b>	6.00 mm	6.00 mm		other platings on request	<b>with "locating pegs"</b> (if, DIM "C"=1.50mm only) <b>C</b> = Tube packing; without "PickUp Cap" <b>D</b> = Tube packing; with "PickUp Cap" <b>E</b> = Reel packing; with "PickUp Cap"
			<b>065/A</b>	5.40 mm	7.00 mm			
			<b>065/4</b>	3.90 mm	8.00 mm			
			<b>065/7</b>	7.50 mm	8.50 mm			
			<b>065/1</b>	6.00 mm	10.00 mm			
			<b>065/2</b>	6.00 mm	12.00 mm			
			<b>065/6</b>	9.50 mm	12.00 mm			
			<b>065/9</b>	5.00 mm	12.30 mm			
			<b>065/8</b>	4.65 mm	12.70 mm			
			<b>065/3</b>	4.00 mm	13.33 mm			
<b>065/B</b>	4.50 mm	16.00 mm						
<b>065/5</b>	4.50 mm	17.00 mm						
				other dimensions on request				



**Specifications**

Current rating	2 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC

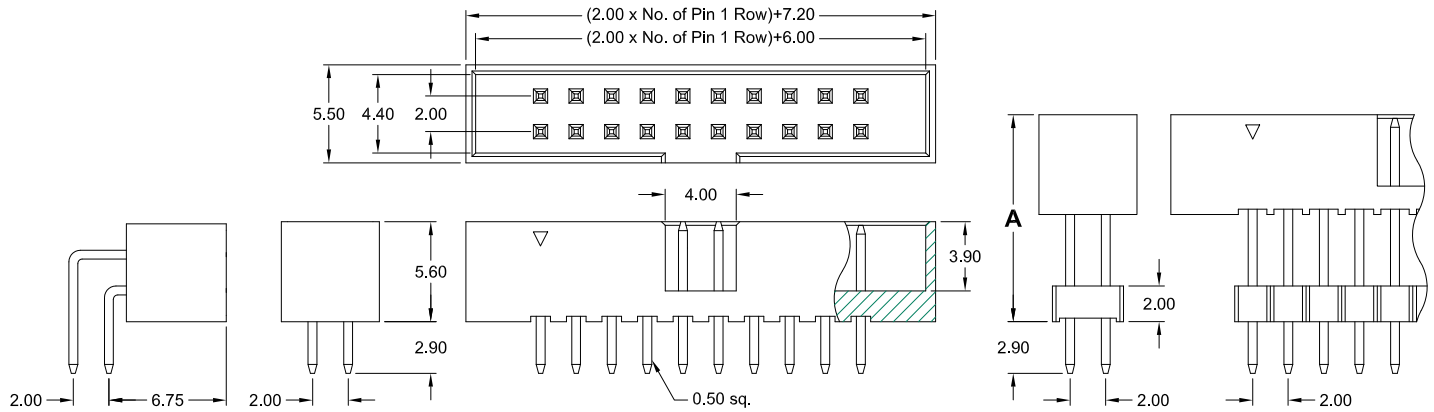
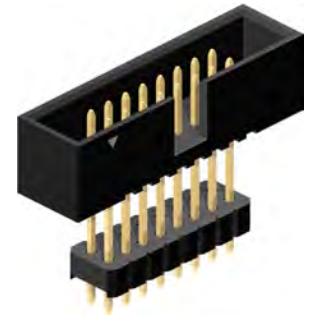
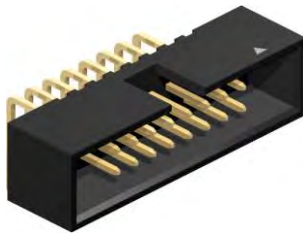
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Copper alloy
Insulator material	(RoHS compliant) PA6T UL 94 V-0

**How to order**

SR x - xxx - H xxx/x - 55/2 X

Rows	Nbr of pins	Pin code	DIM "A"	Plating	Options
<b>1</b> = single row	<b>002</b> to <b>040</b>	<b>093/ 0</b>	4.00 mm	<b>55</b> = Gold  other platings on request	<b>without "locating pegs"</b> <b>A</b> = Tube packing; with „PickUp Cap“ <b>B</b> = Reel packing; with „PickUp Cap“
		<b>093/ 1</b>	4.45 mm		
		<b>093/ 2</b>	3.20 mm		
		<b>093/ 3</b>	6.00 mm		
<b>2</b> = dual row	<b>006</b> to <b>080</b>	<b>122/ 0</b>	4.00 mm		<b>with "locating pegs"</b> (Dual Row Type only) <b>C</b> = Tube packing; without "PickUp Cap" <b>D</b> = Tube packing; with "PickUp Cap" <b>E</b> = Reel packing; with "PickUp Cap"
		<b>122/ 1</b>	6.00 mm		
		<b>122/ 2</b>	4.45 mm		
		<b>122/ 3</b>	5.00 mm		
		<b>122/ 4</b>	3.20 mm		
		<b>122/ 5</b>	3.50 mm		
		<b>122/ 6</b>	8.00 mm		
<b>122/ 7</b>	4.80 mm				

- THT - right angle - straight - raised



Style **R562**

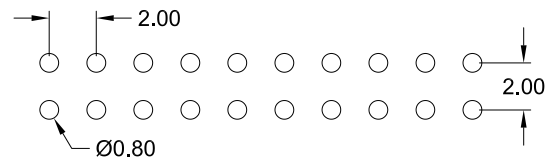
**S562**

**D762/xx**

**Application and Features**

- Designed to mate with IDC female connector IDS-xxx-X200-95/P
- Reliable flat cable to PCB connection
- No ejection latches for space saving

**PCB Hole Layout**



**Specifications**

Current rating	1 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material	(RoHS compliant) Copper alloy
Withstanding voltage	500 V AC	Insulator material	(RoHS compliant) PBT UL 94 V-0

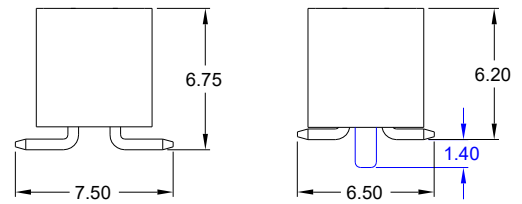
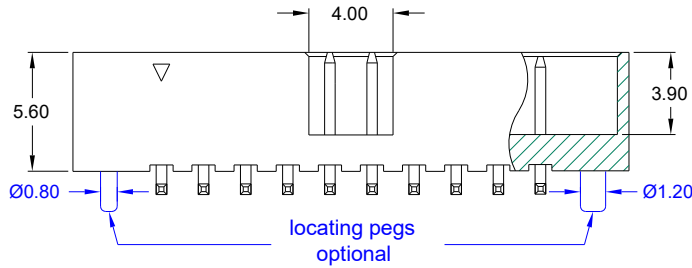
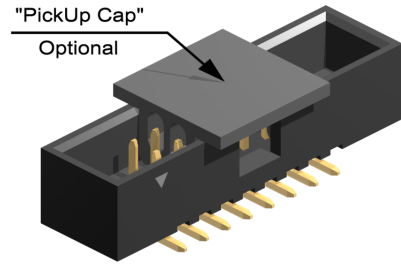
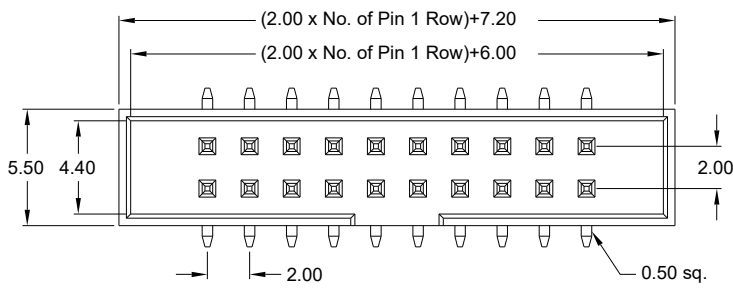
How to order

SLS - xxx - Xxxx - 55/2

Nbr of pins
<b>006</b> to <b>068</b>
except: 038; 042; 046; 048; 052 054; 056; 058; 062; 066

Style
<b>S562</b> = straight
<b>R562</b> = right angle
<b>Raised Style:</b>
<b>D762/00</b> DIM "A" = 7.60 mm
<b>D762/01</b> DIM "A" = 17.80 mm
<b>D762/02</b> DIM "A" = 10.40 mm
other dimensions on request

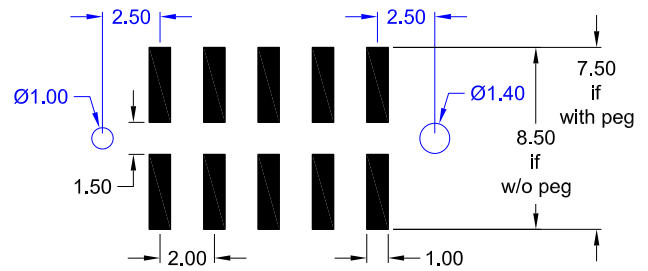
Plating
<b>55</b> = Gold
other platings on request



**Application and Features**

- **Standard:**  
*without locating pegs, Tray packing and without "PickUp Cap"*
- Also available "Reel" packing
- Designed to mate with IDC female connector IDS-xxx-X 200-95/P
- Reliable flat cable to PCB connection
- No ejection latches for space saving

**PCB Surface Mount Layout**



**Specifications**

Current rating	1 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC

Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Copper Alloy
Insulator material	(RoHS compliant) PA6T UL 94 V-0

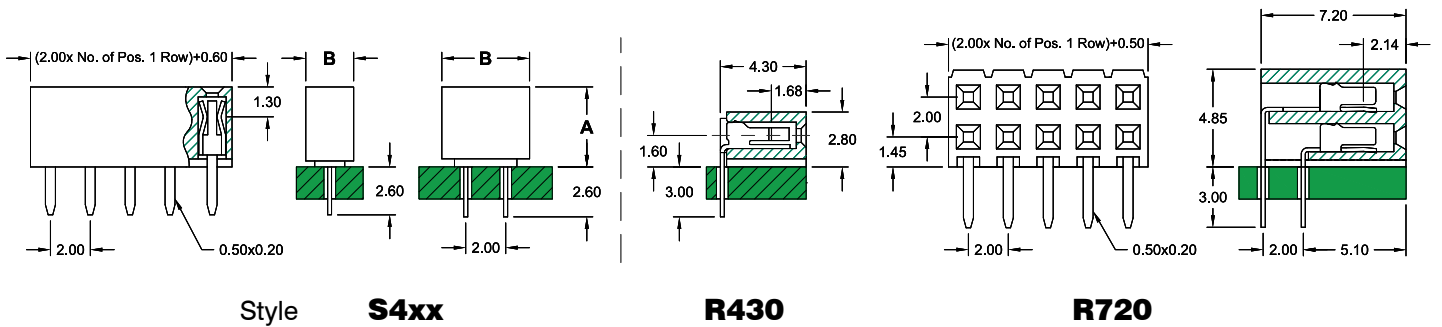
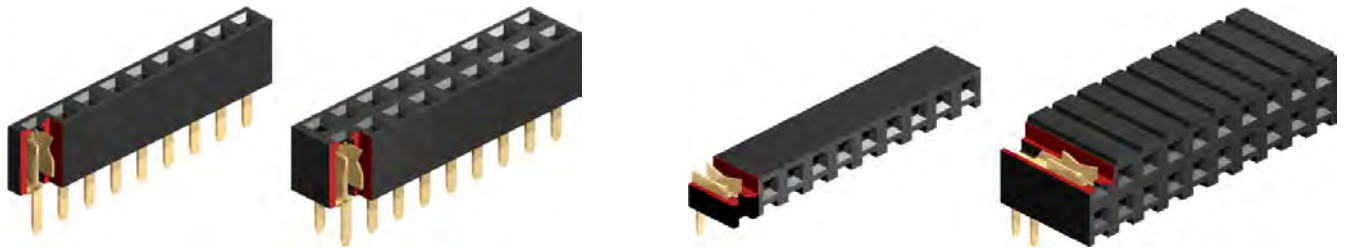
**How to order**

**SLS - xxx - H562 - 55/2 X**

Nbr of pins
<b>without "locating pegs"</b> <b>006 to 068</b>
except: 038; 042; 046; 048; 052 054; 056; 058; 062; 066
<b>with "locating pegs"</b> <b>008 to 050</b>

Plating
<b>55</b> = Gold
other platings on request

Options
<b>without "locating pegs"</b>
<b>F</b> = Tray packing; with „PickUp Cap“
<b>T</b> = Tube packing; without „PickUp Cap“
<b>A</b> = Tube packing; with „PickUp Cap“
<b>B</b> = Reel packing; with „PickUp Cap“
<b>with "locating pegs"</b>
<b>C</b> = Tube packing; without „PickUp Cap“
<b>D</b> = Tube packing; with „PickUp Cap“
<b>E</b> = Reel packing; with „PickUp Cap“



Style **S4xx**

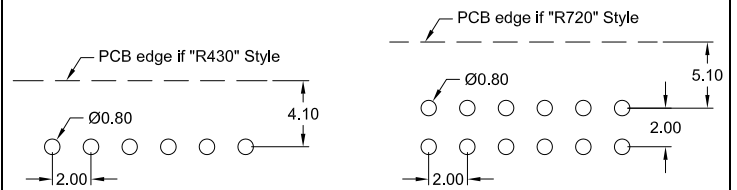
**R430**

**R720**

**Specifications**

Current rating	2 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	Phosphor Bronze
Insulator material	PA6T UL 94 V-0

**PCB Hole Layout**



**Application and Features**

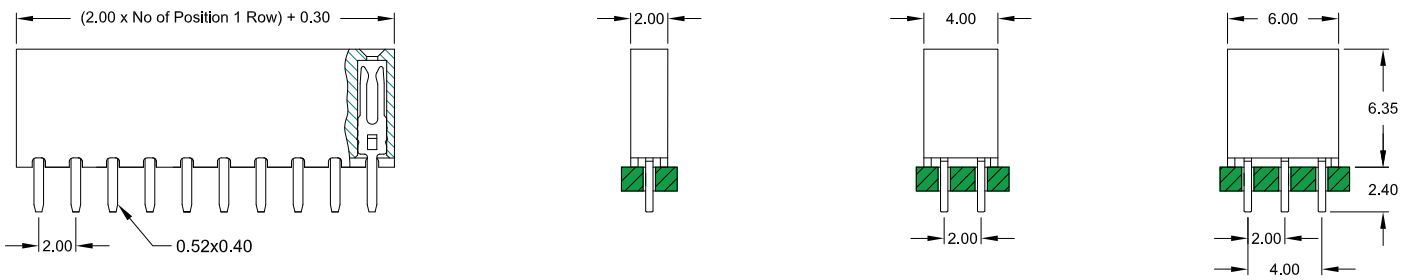
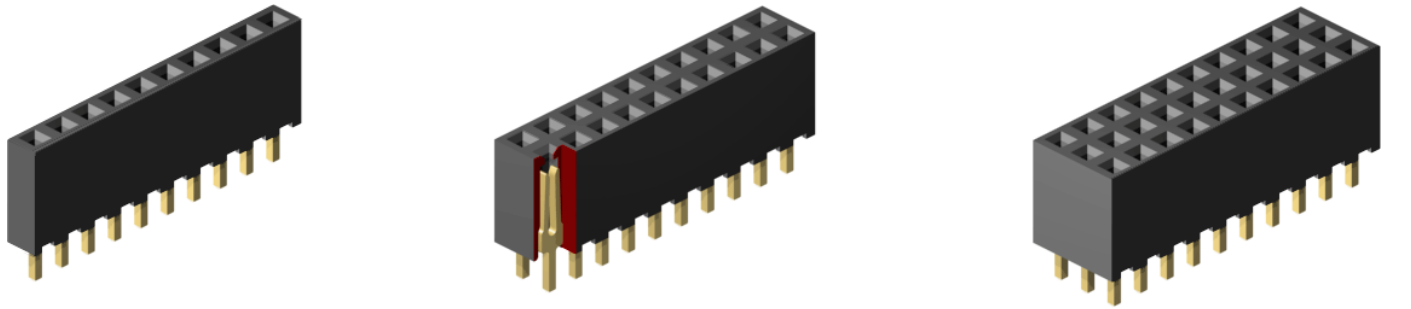
Low profile, 4.00mm and 4.30mm height single & dual row straight.  
Designed for board to board small spacing interconnection.  
High quality dual beam contacts mating with 0.50 x 0.50mm Pin Header.

**How to order**

**BL** x - **xxx** - **Xxxx** - **55/2**

Rows	Nbr of contacts	Style	Plating
<b>1</b> = single row	S400 & S430 = <b>002</b> to <b>040</b> R430 = <b>003</b> to <b>025</b>	<b>S400</b> = straight – single row : "A"=4.00 mm "B"=2.20 mm straight – dual row : "A"=4.00 mm "B"=4.20 mm <b>S430</b> = straight – single row : "A"=4.30 mm "B"=2.40 mm straight – dual row : "A"=4.30 mm "B"=4.60 mm <b>R430</b> = right angle – single row <b>R720</b> = right angle – dual row	<b>55</b> = Gold  other platings on request
<b>2</b> = dual row	S400 & S430 = <b>004</b> to <b>080</b> R720 = <b>004</b> to <b>080</b>		

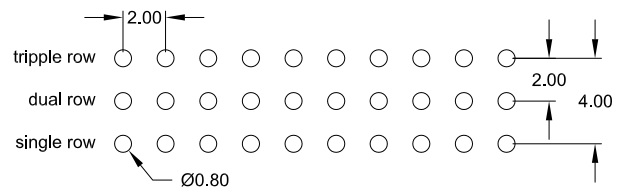
2.00mm pitch Female Header  
 - THT - 6.35mm profile straight



**Application and Features**

- For board-to-board connections
- Ideal solution for PC/104 Systems
- Accepts 0.50mm square pins
- Hi-rel fork contact design

**PCB Hole Layout**



**Specifications**

Current rating	2 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material	(RoHS compliant) Copper Alloy
Contact resistance	20 mΩ max.	Insulator material	(RoHS compliant) LCP UL 94 V-0
Withstanding voltage	500 V AC		

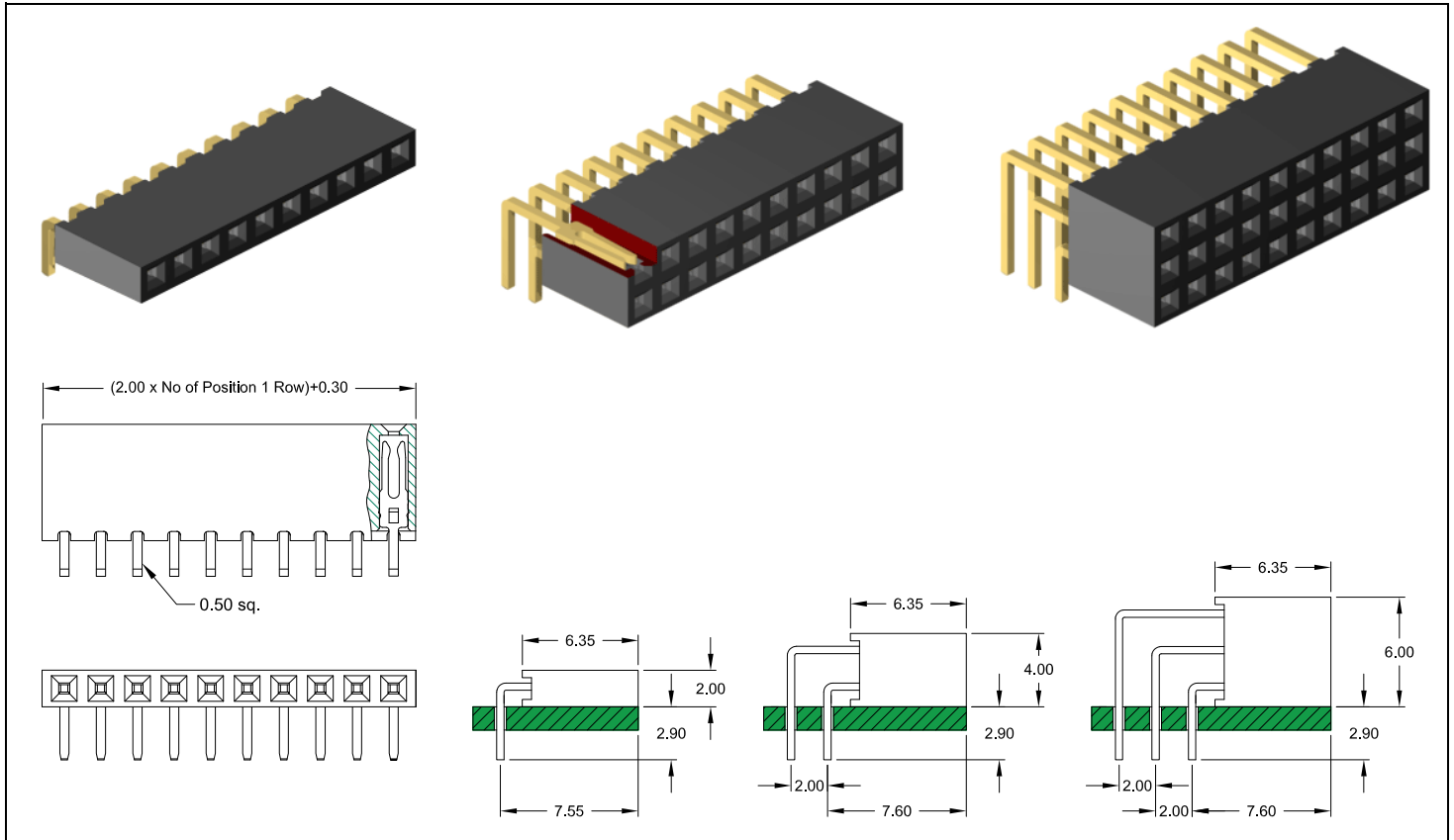
**How to order**

BL x - xxx - SH635 - 55/2

Rows
<b>1</b> = single row
<b>2</b> = dual row
<b>3</b> = triple row

Nbr of contacts
single row = <b>002</b> to <b>040</b>
dual row = <b>004</b> to <b>080</b>
triple row = <b>006</b> to <b>120</b>

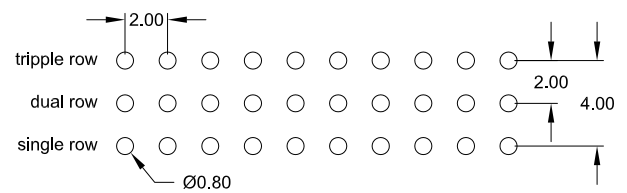
Plating
<b>55</b> = Gold
other platings on request



### Application and Features

- For board-to-board connections
- Ideal solution for PC/104 Systems
- Accepts 0.50mm square pins
- Hi-rel fork contact design

### PCB Hole Layout



### Specifications

Current rating	2 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material	(RoHS compliant) Copper Alloy
Contact resistance	20 mΩ max.	Insulator material	(RoHS compliant) LCP UL 94 V-0
Withstanding voltage	500 V AC		

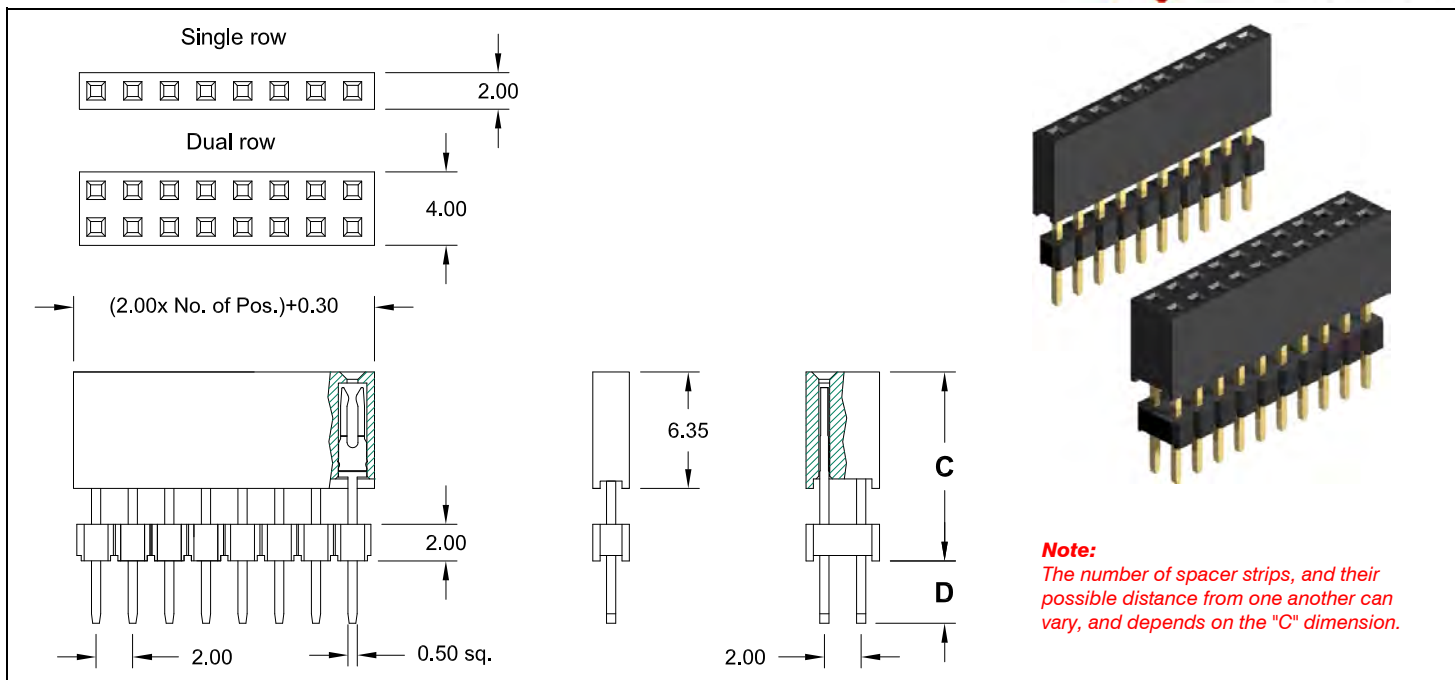
### How to order

BL x - xxx - RH635 - 55/2

Rows
<b>1</b> = single row
<b>2</b> = dual row
<b>3</b> = triple row

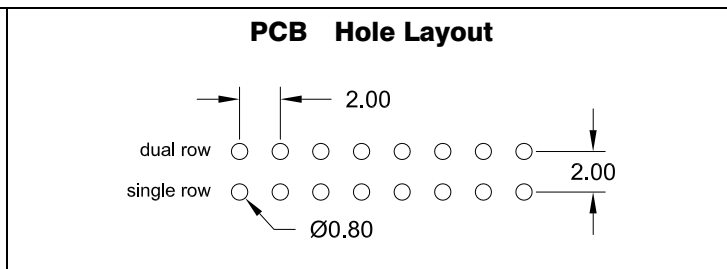
Nbr of contacts
single row = <b>002</b> to <b>040</b>
dual row = <b>004</b> to <b>080</b>
triple row = <b>006</b> to <b>120</b>

Plating
<b>55</b> = Gold
other platings on request



**Application and Features**

- Various heights for board-to-board connections
- Also ideal solution for PC/104 Systems
- Accepts 0.50 mm square pins
- Hi-rel fork contact design



**Specifications**

Current rating	2 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material	Copper Alloy (RoHS compliant)
Contact resistance	20 mΩ max.	Insulator material	LCP (RoHS compliant) UL 94 V-0
Withstanding voltage	500 V AC		

How to order

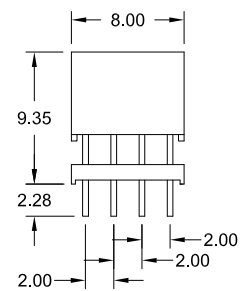
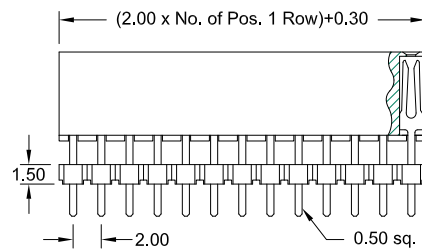
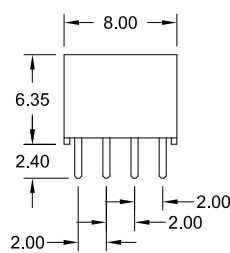
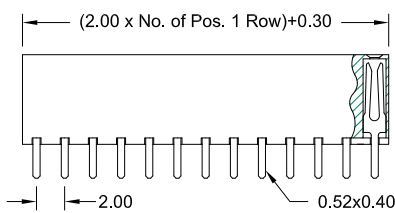
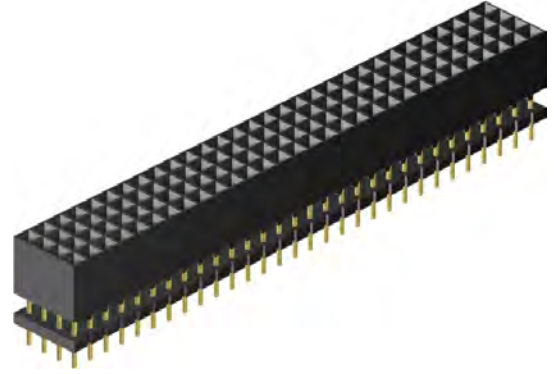
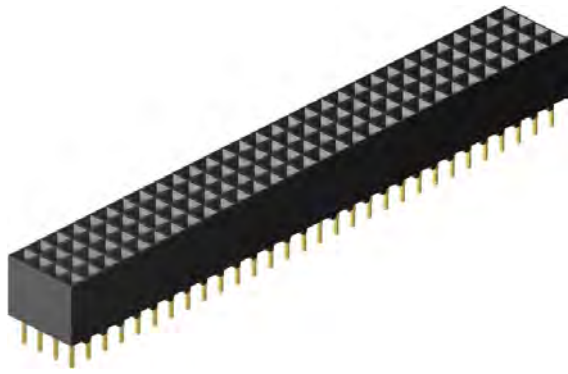
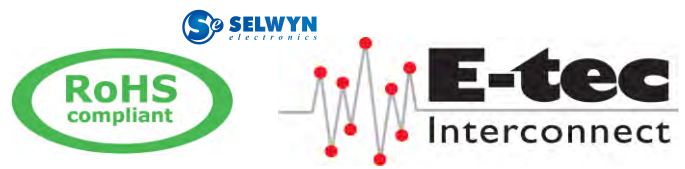
BE x - xxx - S xxx - 55/2

Rows	Nbr of contacts
1 = single row	002 to 040
2 = dual row	004 to 080

Style	DIM "C"	DIM "D"
<b>S</b> 831	8.30 mm	3.40 mm
832	10.30 mm	3.20 mm
833	11.00 mm	2.30 mm
834	16.08 mm	2.30 mm
<b>S</b> 835	9.40 mm	2.30 mm
<b>S</b> 836	18.20 mm	3.40 mm
<b>S</b> 837	19.30 mm	2.30 mm
838	17.70 mm	2.80 mm
839	19.00 mm	2.50 mm
<b>S</b> 840	16.40 mm	5.20 mm
<b>S</b> 841	11.00 mm	10.60 mm
843	15.50 mm	3.50 mm
844	8.35 mm	2.80 mm
<b>S</b> 845	13.50 mm	8.10 mm
other dimensions on request		
"S" = available as Standard with "C" + "D" = 11.70mm & 21.60mm		

Plating
55 = Gold
other platings on request

2.00mm pitch Female Header - THT -  
 "PC 104+ Type" Quad Row, 160 contacts max.



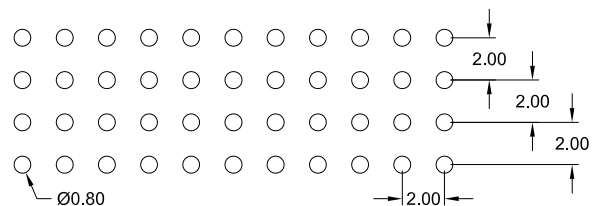
Style **630/0**

Style **630/1**

**Specifications**

Current rating	2 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material <i>(RoHS compliant)</i>	Phosphor Bronze
Insulator material <i>(RoHS compliant)</i>	LCP UL 94 V-0

**PCB Hole Layout**



**Application and Features**

Low and high Profile PC/104-Plus Type  
 Designed for "board to board" small spacing interconnection  
 With standoff's for post solder cleaning  
 Mate with Pin Header SL4 - xxx - S830/x - xx/2

How to order

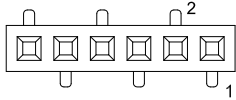
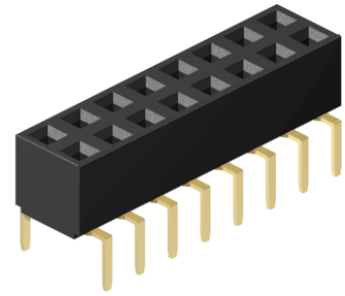
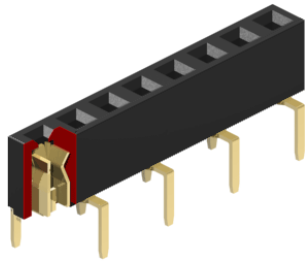
BL4 - xxx - S xxx/x - 55/2

Nbr of contacts
<b>008</b> to <b>160</b>

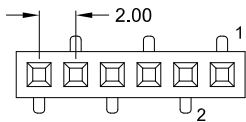
Style	Dimension above PCB
<b>630/0</b> <i>(standard)</i>	6.35 mm
<b>630/1</b> <i>(raised)</i>	9.35 mm
other dimensions on request	

Plating
<b>55</b> = Gold
other platings on request

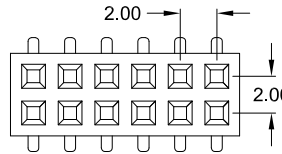
- THT - dual entry type low profile



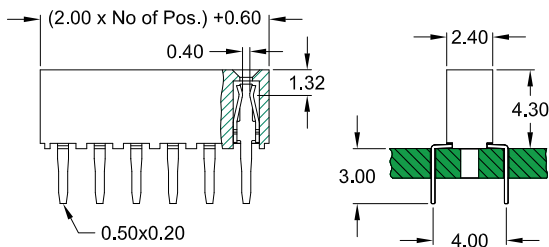
**S430 Style**



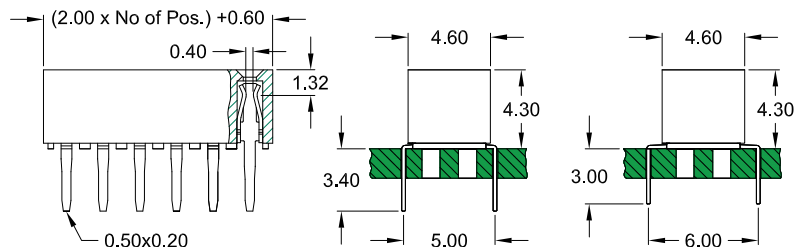
**S431 Style**



**S430 Style**



**BB1-4xx-**



**BB2-5xx-**

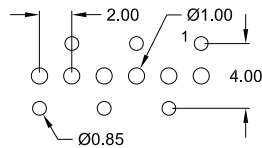
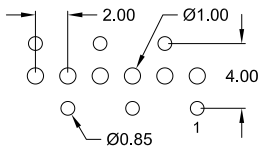
**BB2-6xx-**

**PCB Hole Layout**

**1 row** - zig-zag pin-out

Style **S430**

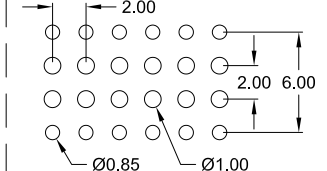
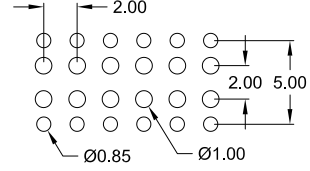
Style **S431**



**2 rows** - pin spacing pin-out

**5.00mm**

**6.00mm**



**Application and Features**

- Hi-rel dual beam contact assures reliable PCB connections
- Dual entry design for board stacking
- Accepts 0.50mm square pins

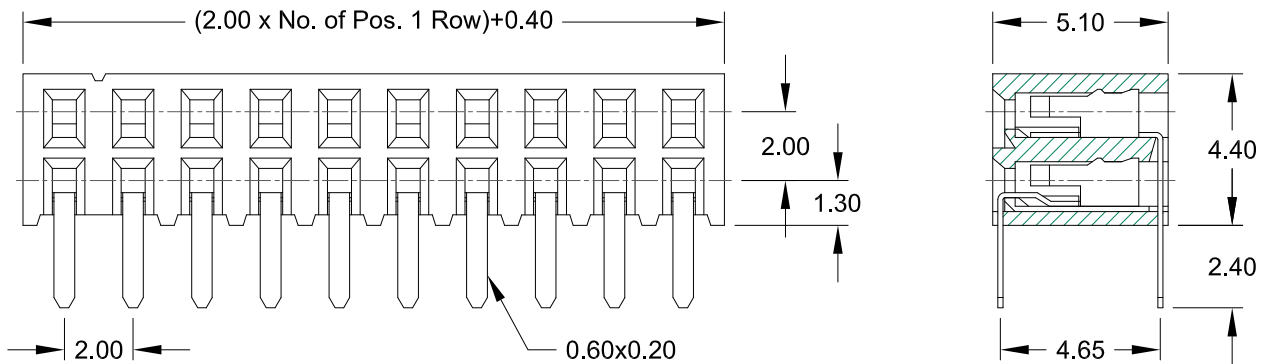
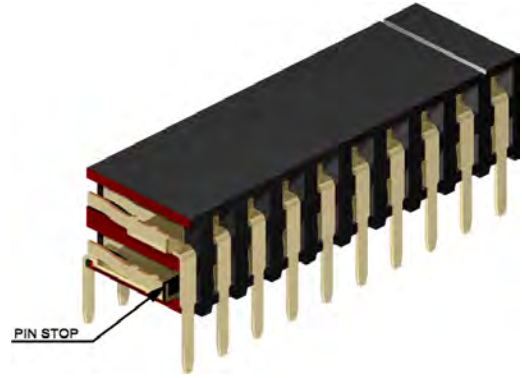
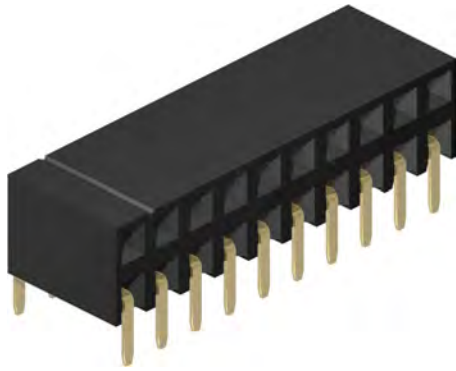
**Specifications**

Current rating	2 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material (RoHS compliant)	Phosphor Bronze
Insulator material (RoHS compliant)	PA6T UL 94 V-0

**How to order**

**BB x - x xx - S xxx - 55/2**

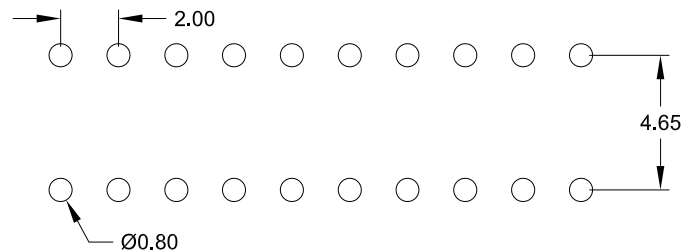
Rows	Pin spacing	Nbr of contacts	Foot Style	Plating
<b>1</b> = single row	<b>4</b> = 4.00mm zig-zag	single row <b>02</b> to <b>40</b>	single row <b>430</b> & <b>431</b> pls. choose <b>430</b> Style if odd pin count.	<b>55</b> = Gold
<b>2</b> = dual row	<b>5</b> = 5.00 mm <b>6</b> = 6.00 mm	dual row <b>04</b> to <b>80</b>	dual row <b>430</b>	other plating on request



**Application and Features**

- **Standard: Tube packing**
- Hi-rel dual beam contact with "Pin Stop" assures reliable connections
- Accepts 0.50 mm square pins; Pin Header 2.00 mm x 2.00 mm
- 4.40 mm height above board
- Stand-off's facilitate post solder cleaning

**PCB Hole Layout**

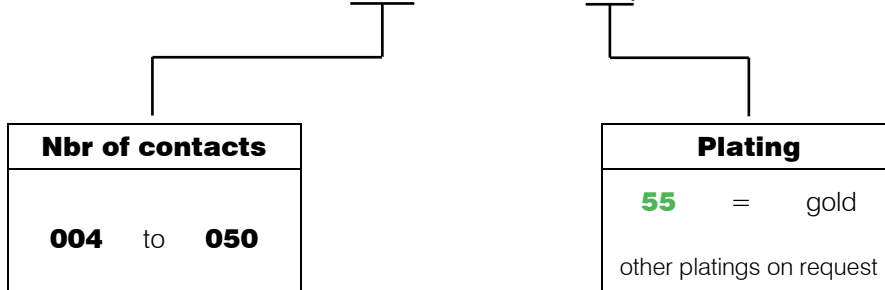


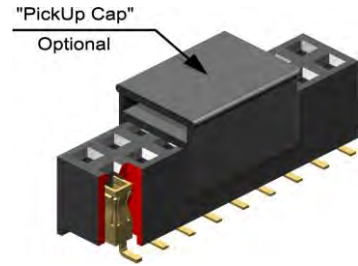
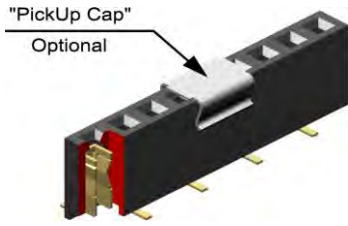
**Specifications**

Current rating	2 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material	(RoHS compliant) Phosphor Bronze
Contact resistance	20 mΩ max.	Insulator material	(RoHS compliant) PA6T UL 94 V-0
Withstanding voltage	500 V AC		

**How to order**

BH2 - xxx - R450 - 55/2



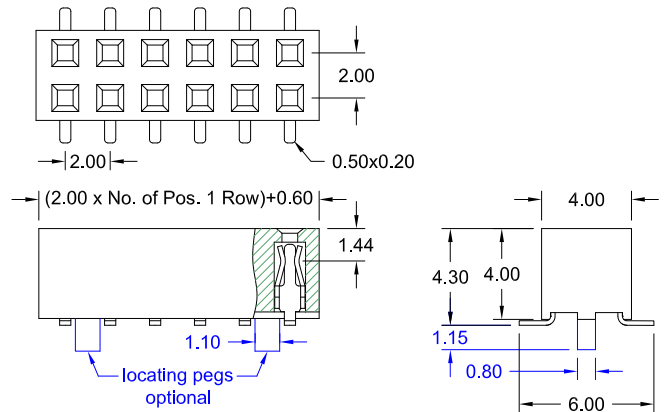
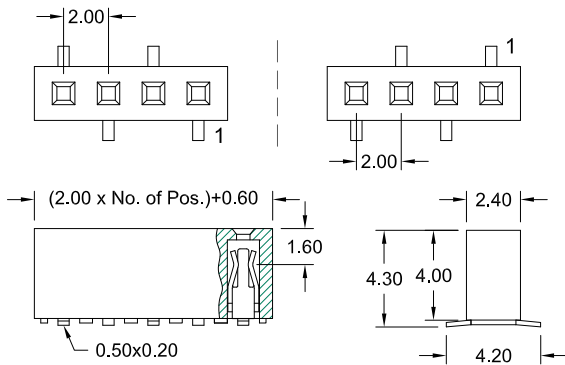


Foot Style

430

431

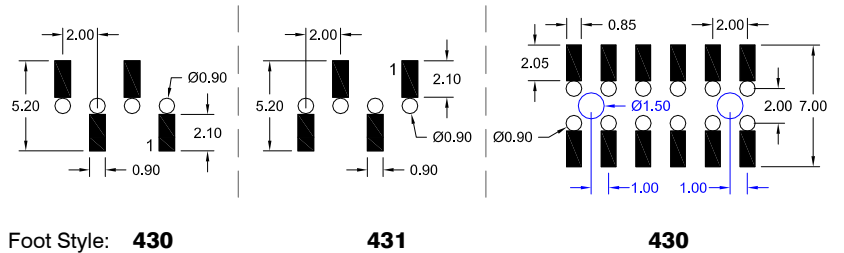
Style 430



**Application and Features**

- **Standard: Tube packing and without "PickUp Cap"**
- Low profile, 4.30 mm height.
- Hi-rel dual beam contacts
- Mating with 2.00 mm pitch, 0.50 mm square, or round Pin Headers

**PCB Surface Mount Layout**



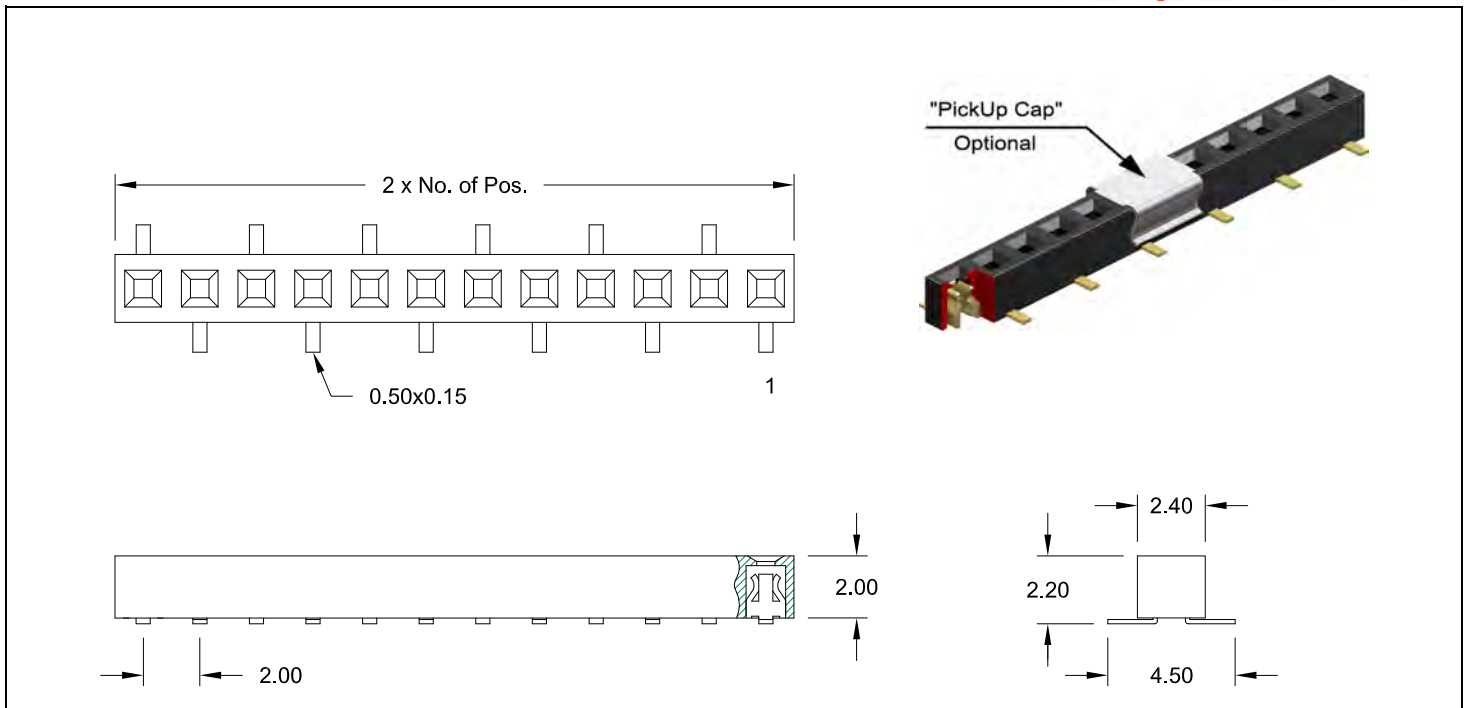
**Specifications**

Current rating	2 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Processing temperature	+250°C +0/-5°C for 5sec.
Contact resistance	20 mΩ max.	Contact material	Phosphor Bronze (RoHS compliant)
Withstanding voltage	500 V AC	Insulator material	PA6T UL 94 V-0 (RoHS compliant)

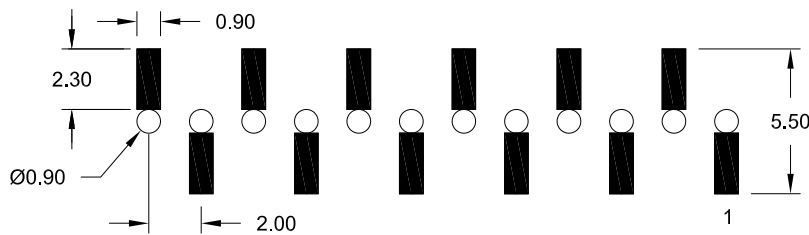
**How to order**

BS x - xxx - H xxx - 55/2 X

Rows	Nbr of contacts	Foot Style	Plating	Options
1 single row	003 to 040	430 (standard) 431 (option) Pls. choose 430 Style if odd pin count	55 = Gold  other platings on request	<b>A</b> = Tube packing; with „PickUp Cap“ <b>B</b> = Reel packing; with „PickUp Cap“ <hr/> <b>without "locating pegs"</b> <b>A</b> = Tube packing; with „PickUp Cap“ <b>B</b> = Reel packing; with „PickUp Cap“ <hr/> <b>with "locating pegs"</b> <b>C</b> = Tube packing; without „PickUp Cap“ <b>D</b> = Tube packing; with „PickUp Cap“ <b>E</b> = Reel packing; with „PickUp Cap“
2 dual row	006 to 080	430		



**PCB Surface Mount & Hole Layout**



**Application and Features**

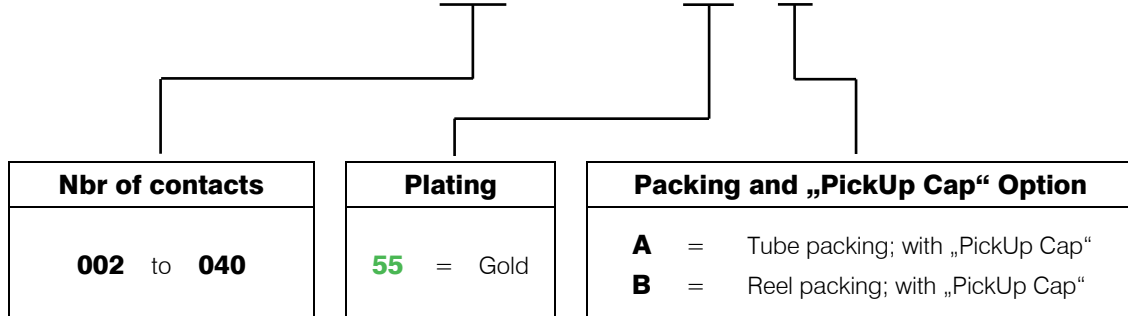
- **Standard: Tube packing and without "PickUp Cap"**
- Low profile, 2.20mm height above PCB available
- Mating with 2.00mm pitch, 0.50mm square, or round Pin Headers
- Designed for board to board small spacing interconnection

**Specifications**

Current rating	2 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material <i>(RoHS compliant)</i>	Phosphor Bronze
Insulator material <i>(RoHS compliant)</i>	PA6T UL 94 V-0

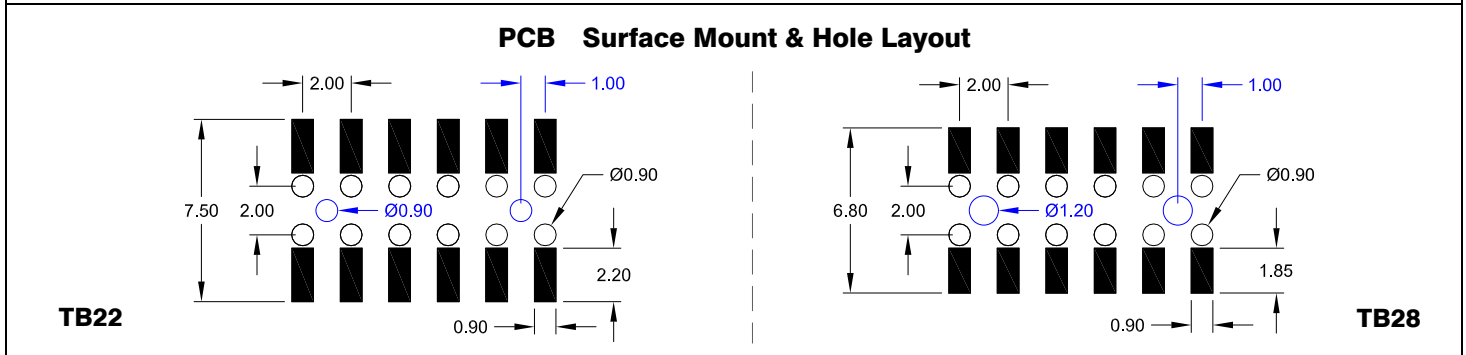
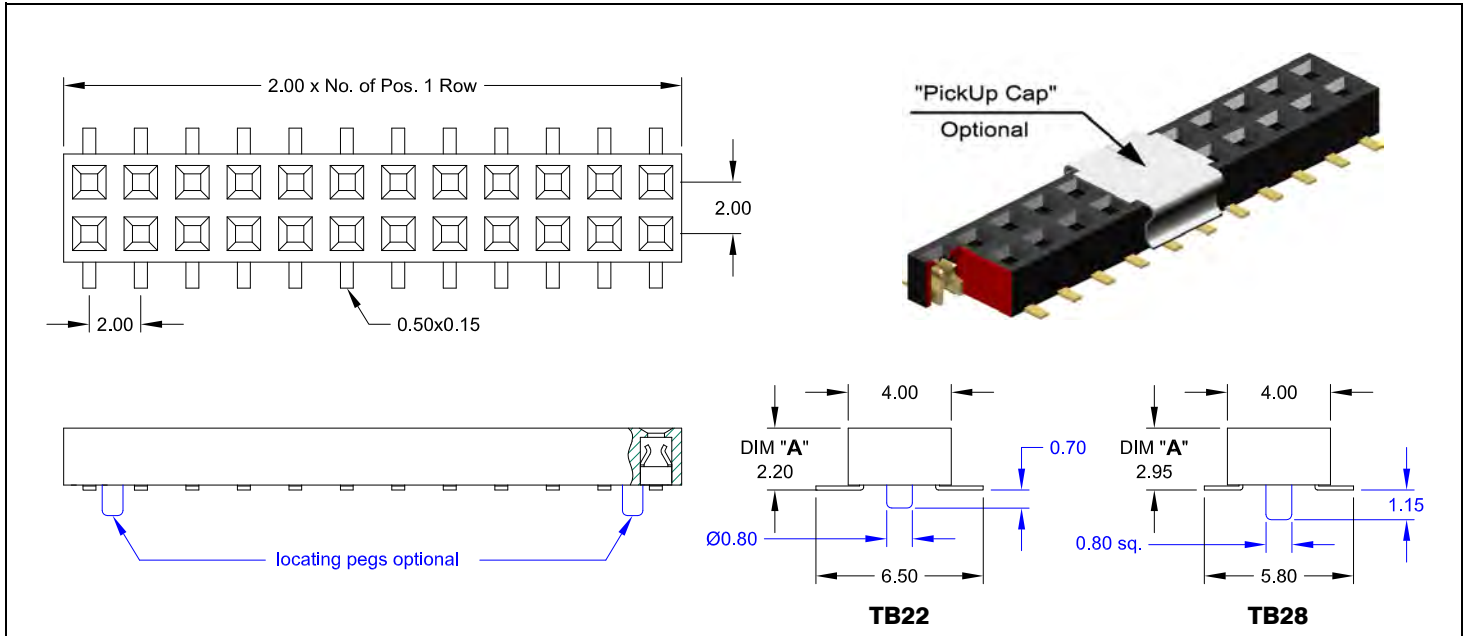
**How to order**

BS1 - xxx - TB 22 - 55/2 X



When using this female connector as a bottom entry connector, we recommend that the Pin Header pins protrude by around 2.00mm above the surface of the female connector after assembly. This will avoid any risk of separation of the Pin Header from the Female Header during shock and vibration.

# 2.00mm pitch Female Header - SMT – Top & Bottom Entry 2.20mm & 2.95mm profile



### Application and Features

- **Standard: Tube packing, without “locating pegs” and without “PickUp Cap”**
- Low profile, 2.20mm and 2.95mm height above PCB available
- Mating with 2.00mm x 2.00mm pitch, 0.50mm square, or round Pin Headers
- Designed for board to board small spacing interconnection

### Specifications

Current rating	2 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Phosphor Bronze
Insulator material	(RoHS compliant) PA6T UL 94 V-0

### How to order

## BS2 - xxx - TB xx - 55/2 X

<b>Nbr of contacts</b>	<b>Height Option</b>	<b>Plating</b>	<b>Options</b>
006 to 080	<b>22</b> DIM „A” = 2.20 mm	<b>55</b> = Gold	<b>without “locating pegs”</b>
006 to 070	<b>28</b> DIM „A” = 2.95 mm		<b>A</b> = Tube packing; with „PickUp Cap” <b>B</b> = Reel packing; with „PickUp Cap”
			<b>with “locating pegs”</b>
			<b>C</b> = Tube packing; without „PickUp Cap” <b>D</b> = Tube packing; with „PickUp Cap” <b>E</b> = Reel packing; with „PickUp Cap”

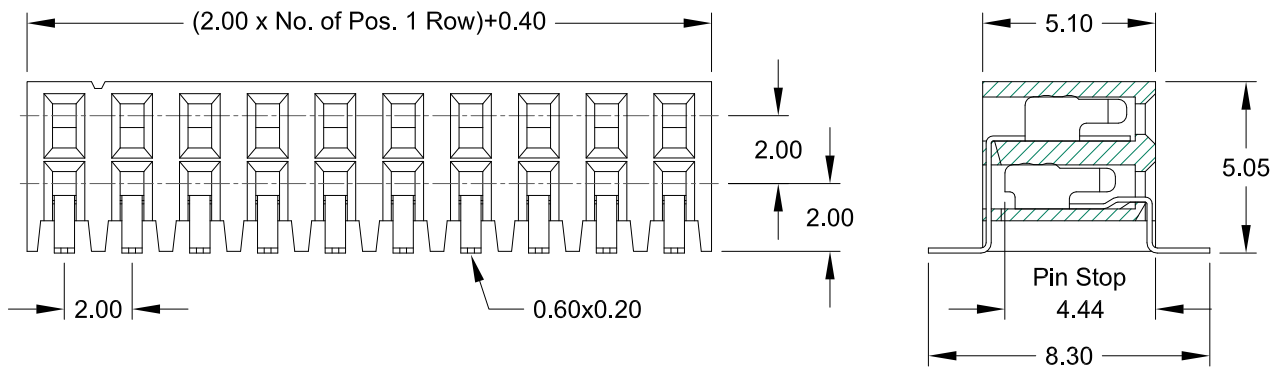
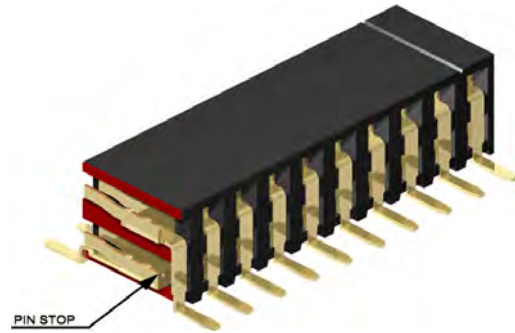
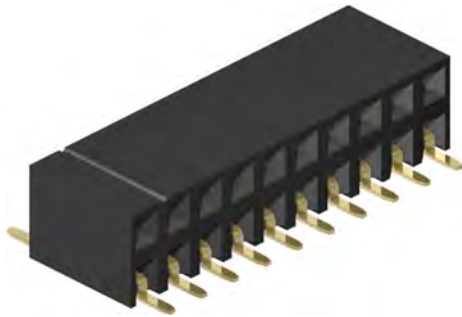
When using this female connector as a bottom entry connector, we recommend that the Pin Header pins protrude by around 2.00mm above the surface of the female connector after assembly. This will avoid any risk of separation of the Pin Header from the Female Header during shock and vibration.

2.00mm pitch

Female Header

- SMT-

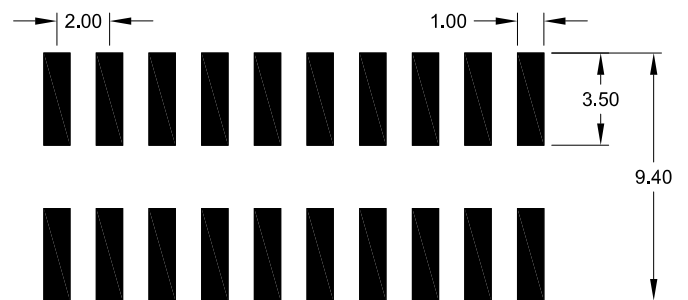
side entry



**Application and Features**

- **Standard: Tube packing**
- Hi-rel dual beam contact with "Pin Stop" assures reliable connections
- Accepts 0.50 mm square pins; Pin Header 2.00 mm x 2.00 mm
- 5.00 mm height above board
- Stand-off's facilitate post solder cleaning

**PCB Surface Mount Layout**

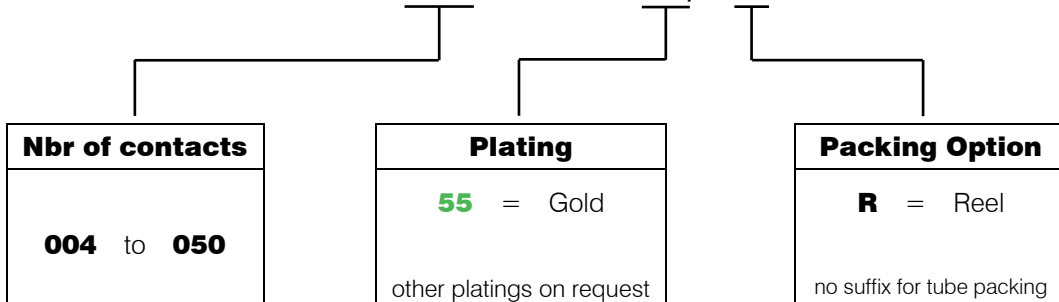


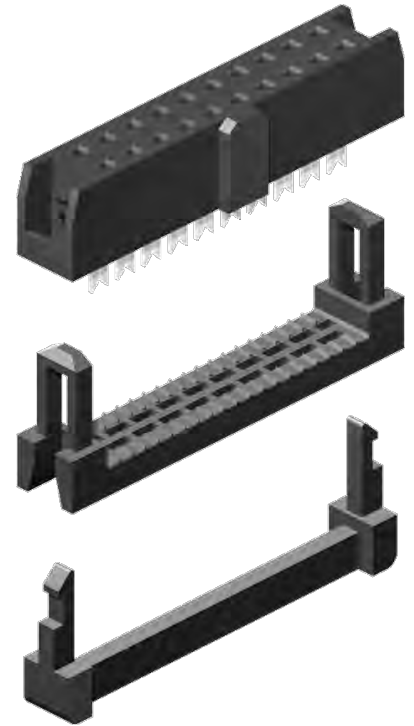
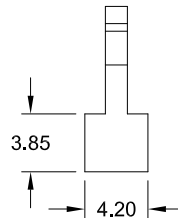
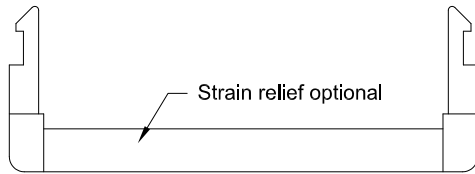
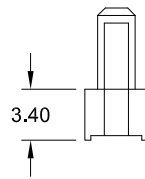
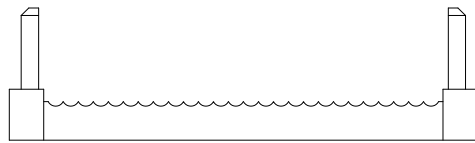
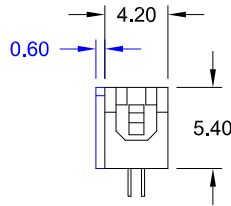
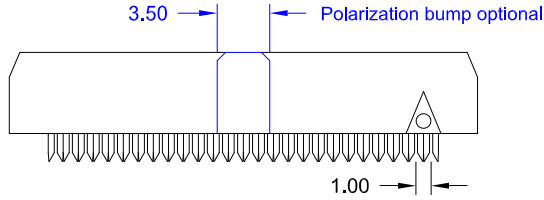
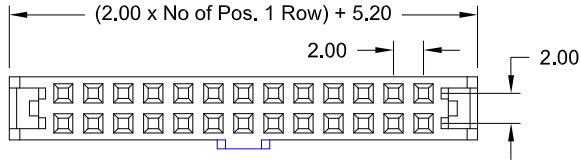
**Specifications**

Current rating	1 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Processing temperature	+250°C +0/-5°C for 5sec.
Contact resistance	20 mΩ max.	Contact material	Phosphor Bronze (RoHS compliant)
Withstanding voltage	500 V AC	Insulator material	PA6T UL 94 V-0 (RoHS compliant)

How to order

BS2 - xxx - R500 - 55/2 X





**Specifications**

Current rating	1 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material	(RoHS compliant) Copper alloy
Contact resistance	15 mΩ max.	Insulator material	(RoHS compliant) PBT (black) UL 94 V-0
Withstanding voltage	500 V AC		

**Application and Features**

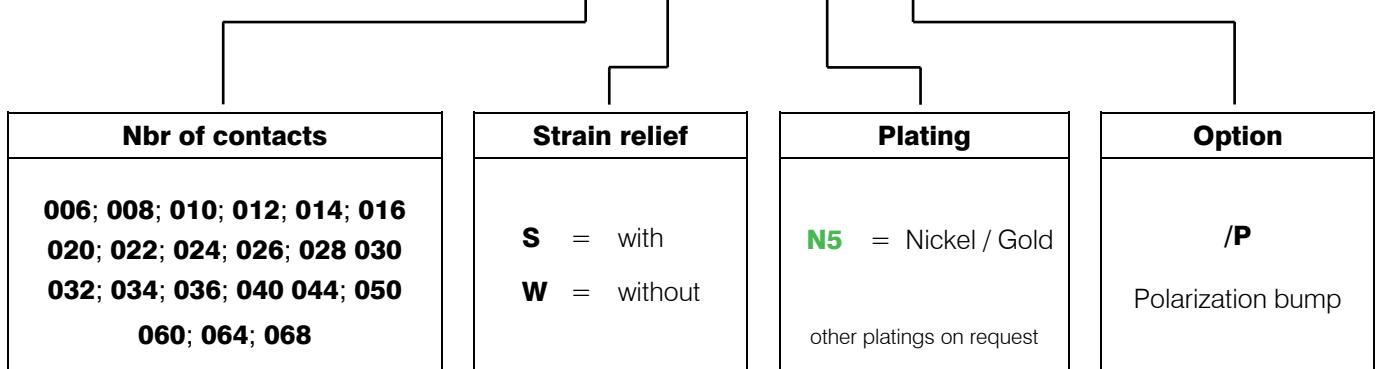
Designed to mate with 0.50mm square pins Box Header

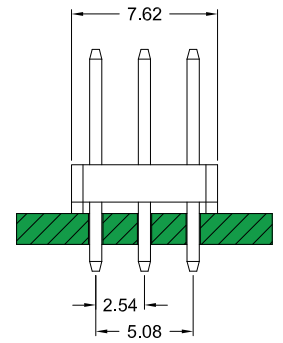
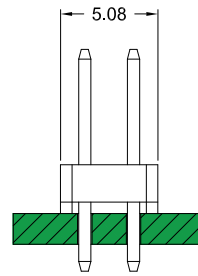
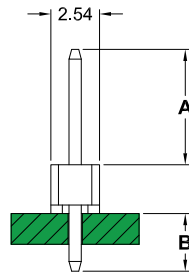
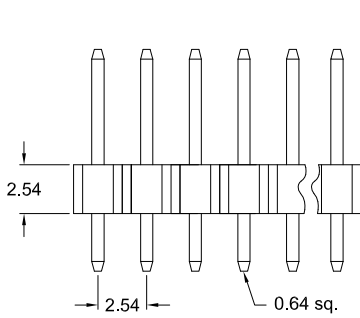
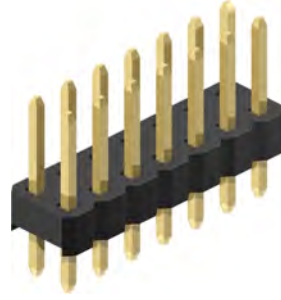
High Quality dual beam contacts

Accepts 26 & 28 AWG 1.00mm flat ribbon cable.

**How to order**

**IDS - xxx - X 200 - N5 ( /P )**





Pin code	DIM "A"	DIM "B"	Pin code	DIM "A"	DIM "B"	Pin code	DIM "A"	DIM "B"	Pin code	DIM "A"	DIM "B"	Pin code	DIM "A"	DIM "B"	Pin code	DIM "A"	DIM "B"
085/02	3,00	3,00	109/03	5,40	3,00	110/03	6,00	2,50	110/02	7,00	1,50	140/12	8,20	3,30	167/02	11,20	3,00
114/02	3,10	5,80	117/01	5,40	3,80	113/05	6,00	2,80	125/01	7,00	3,00	138/02	8,30	3,00	185/05	11,20	4,80
186/03	3,20	12,90	108/11	5,50	2,80	116/01	6,00	3,10	135/03	7,00	4,00	135/02	8,50	2,50	184/08	11,60	4,30
257/01	3,20	20,00	116/02	5,50	3,30	125/20	6,00	4,00	167/01	7,10	7,10	140/03	8,50	3,00	172/01	11,70	3,00
090/02	3,50	3,00	120/04	5,50	4,00	140/06	6,00	5,40	125/13	7,20	2,80	195/03	8,50	8,50	176/02	11,80	3,30
140/08	3,50	7,90	108/02	5,70	2,54	109/04	6,10	2,30	128/03	7,30	3,00	140/14	8,70	2,80	177/01	12,00	3,20
105/03	3,70	4,30	125/03	5,70	4,30	116/10	6,10	3,00	115/02	7,50	1,50	142/01	9,30	2,40	195/05	12,00	5,00
108/14	3,70	4,00	135/01	5,70	5,30	147/06	6,10	6,10	126/03	7,50	2,60	145/03	9,40	2,60	178/01	12,30	3,00
093/01	3,80	3,00	139/01	5,70	5,70	108/03	6,30	2,00	136/07	7,50	3,60	147/12	9,50	2,70	271/01	12,30	12,30
085/08	4,00	2,00	184/12	5,70	10,20	113/06	6,50	2,30	140/16	7,50	4,00	154/03	9,60	3,30	177/02	12,40	2,80
095/02	4,00	3,00	209/03	5,70	12,70	118/05	6,50	2,80	175/02	7,50	7,50	155/08	10,00	3,00	186/01	12,40	3,80
095/01	4,20	2,80	216/01	5,70	13,40	120/05	6,50	3,00	134/01	7,70	3,20	175/06	10,00	5,00	218/02	12,50	6,80
105/05	4,20	3,60	240/01	5,70	15,75	122/05	6,50	3,20	184/11	7,90	7,90	190/05	10,00	6,50	184/02	12,60	3,00
108/10	4,30	4,00	267/01	5,70	18,50	109/05	6,60	1,80	125/08	8,00	1,80	209/04	10,20	8,20	185/01	12,70	3,30
100/07	4,50	3,00	106/02	5,80	2,30	123/01	6,60	3,20	135/08	8,00	3,00	160/10	10,50	3,00	184/06	12,80	3,10
108/07	4,50	3,80	113/02	5,80	3,00	125/10	6,60	3,40	140/13	8,00	3,50	163/02	10,70	3,10	216/07	12,80	6,30
118/04	4,50	4,80	114/03	5,80	3,10	125/04	6,70	3,30	137/01	8,10	3,10	155/06	10,80	2,20	184/01	12,90	3,00
100/04	5,00	2,50	116/07	5,80	3,30	159/03	6,70	6,70	164/04	8,10	5,80	165/01	10,80	3,20	345/01	12,90	19,00
105/01	5,00	3,00	185/03	5,80	10,20	126/01	6,80	3,30	191/03	8,10	8,50	164/02	10,90	3,00	180/12	13,00	2,50
102/02	5,20	2,50	312/04	5,80	22,90	138/03	6,80	4,50	138/01	8,16	3,10	165/03	11,00	3,00	185/04	13,00	3,00
187/04	5,20	11,00	105/04	6,00	2,00	125/15	6,90	3,10	135/10	8,20	2,80	178/03	11,00	4,30	215/03	13,00	6,00

all dimension mm

Standard dimension & pin code

Many other dimensions available on request

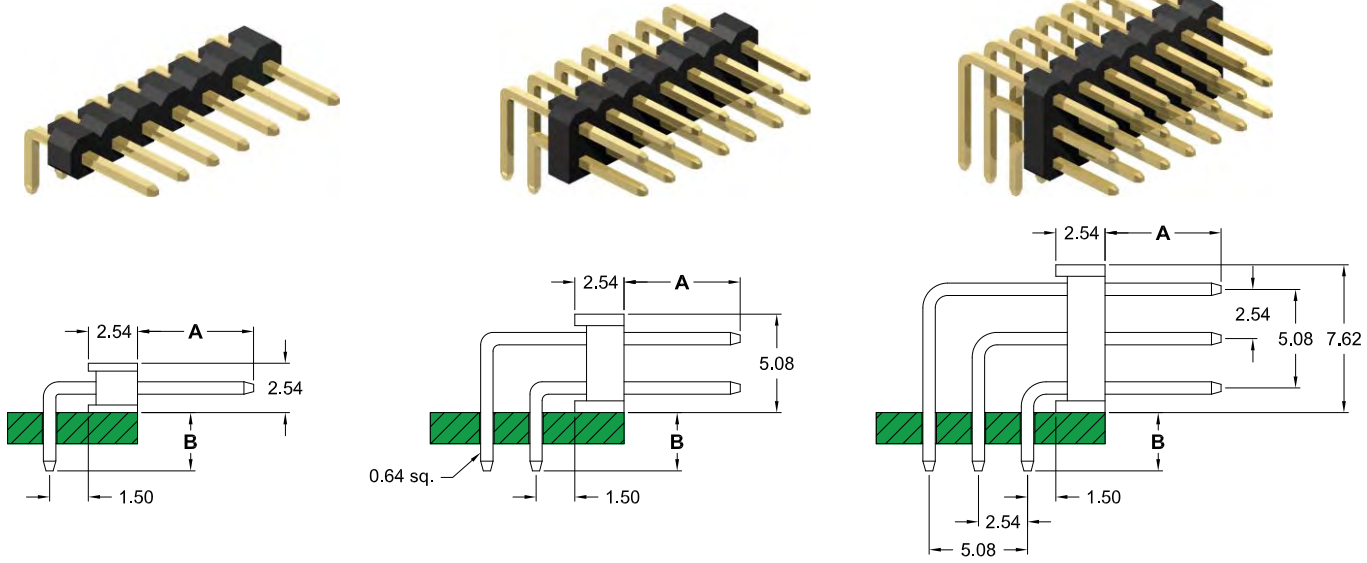
**Specifications**

Current rating	3 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material (RoHS compliant)	Brass
Withstanding voltage	500 V AC	Insulator material (RoHS compliant)	PBT or PA6T UL 94 V-0 Standard : PBT

How to order

SL x - xxx - X xxx/xx - 55

Rows	Nbr of pins	Insulator	Pin code	Plating
1 = single row	single row = 002 to 040	S = PBT	see above table	55 = Gold (standard)
2 = dual row	dual row = 004 to 080	SH = PA6T		99 = Tin (leadfree)
3 = triple row	triple row = 009 to 120			95 = Tin/Gold (tin leadfree)
				other platings on request



**Down angle Pin Style**

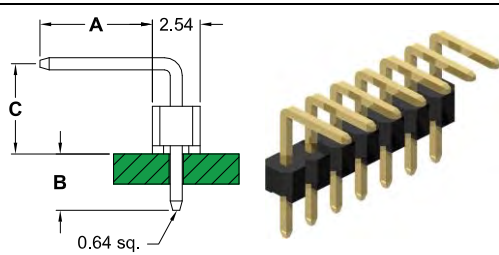
Pin code	DIM "A"	DIM "B"	Pin code	DIM "A"	DIM "B"	Pin code	DIM "A"	DIM "B"	Pin code	DIM "A"	DIM "B"	Pin code	DIM "A"	DIM "B"	Pin code	DIM "A"	DIM "B"
078/03	1,40	1,40	120/06	4,00	3,00	141/01	5,80	4,80	140/03	7,00	2,00	159/04	8,20	3,00	251/01	10,00	10,00
093/04	2,50	1,40	120/01	4,50	2,50	211/07	5,80	9,90	145/04	7,00	2,40	203/06	8,23	7,00	184/09	10,40	3,30
100/03	2,50	2,50	125/07	4,50	3,30	258/02	5,80	15,00	147/01	7,00	3,00	246/01	8,30	11,70	186/01	10,70	3,30
103/01	2,75	2,75	125/06	4,70	3,15	159/01	5,90	5,11	176/01	7,00	6,00	159/02	8,50	2,54	203/05	12,00	3,30
105/02	2,80	3,00	147/04	4,80	5,11	201/01	5,90	9,40	147/03	7,40	2,54	165/02	8,60	3,30	230/07	12,00	6,00
106/01	2,80	2,80	125/09	5,30	2,54	125/16	6,00	2,00	133/03	7,50	1,50	169/01	8,60	3,30	203/03	12,50	3,00
116/03	3,00	3,00	133/02	5,30	3,30	135/12	6,00	2,50	136/06	7,50	2,54	158/02	8,80	2,00	203/02	13,00	2,54
108/01	3,00	4,00	125/11	5,60	2,10	140/01	6,00	3,00	140/04	7,80	1,50	170/02	8,80	3,30	209/01	13,10	3,00
113/07	3,00	7,00	132/01	5,70	2,50	171/02	6,00	3,60	155/05	7,80	3,00	165/01	9,00	2,54	216/03	13,60	3,30
151/02	3,20	3,00	133/01	5,70	2,85	312/06	6,00	10,00	162/03	8,00	3,20	184/05	9,40	4,60	230/05	15,00	3,00
122/04	3,20	3,90	137/03	5,70	3,00	140/09	6,20	3,15	136/01	8,00	3,60	176/03	9,70	3,15			
106/02	3,30	2,30	155/02	5,70	5,11	138/01	6,50	2,60	184/04	8,00	5,80	203/04	9,70	5,80			
117/02	3,40	3,20	260/06	5,70	15,30	149/01	6,70	3,20	187/02	8,00	6,00	166/01	9,90	1,60			
111/01	3,50	2,75	126/02	5,80	2,30	148/01	6,75	2,90	160/11	8,10	2,80	181/01	9,90	3,20			
111/02	3,50	3,50	134/02	5,80	2,50	213/01	6,80	9,50	182/01	8,10	5,10	250/02	9,90	10,00			
116/04	3,60	2,54	140/05	5,80	3,60	150/07	6,90	3,00	157/02	8,13	2,54	180/05	9,96	3,30			
108/02	3,70	3,00	140/11	5,80	3,00	147/02	6,90	3,30	155/04	8,20	2,54	170/03	10,00	2,00			

all dimension mm

Standard dimension & pin code

Many other dimensions available on request

**Up angle Pin Style**



Pin code	DIM "A"	DIM "B"	DIM "C"	Pin code	DIM "A"	DIM "B"	DIM "C"	Pin code	DIM "A"	DIM "B"	DIM "C"
151/01	3,30	7,00	7,00	170/04	5,50	3,40	7,10	130/01	7,00	2,54	3,00
170/01	3,30	8,60	8,60	135/11	6,00	3,00	3,50	150/05	7,00	3,00	4,00
190/02	3,30	10,60	10,60	147/07	6,00	3,00	4,80	184/15	7,00	3,00	6,35
115/01	3,50	2,60	3,00	160/05	6,00	3,00	6,04	181/02	7,90	3,20	6,00
114/01	4,00	3,00	2,60	175/03	6,00	3,00	7,54	184/06	8,00	3,60	6,30
120/05	4,00	3,10	3,00	155/03	6,20	2,54	6,30	172/02	9,45	2,40	4,30
190/01	4,25	3,00	3,00	160/03	6,20	2,35	3,70	150/06	8,20	3,00	2,86
155/09	5,10	3,00	3,10	140/13	6,40	3,40	3,15	149/02	9,70	1,50	2,80

Specifications: Refer to straight Pin Headers

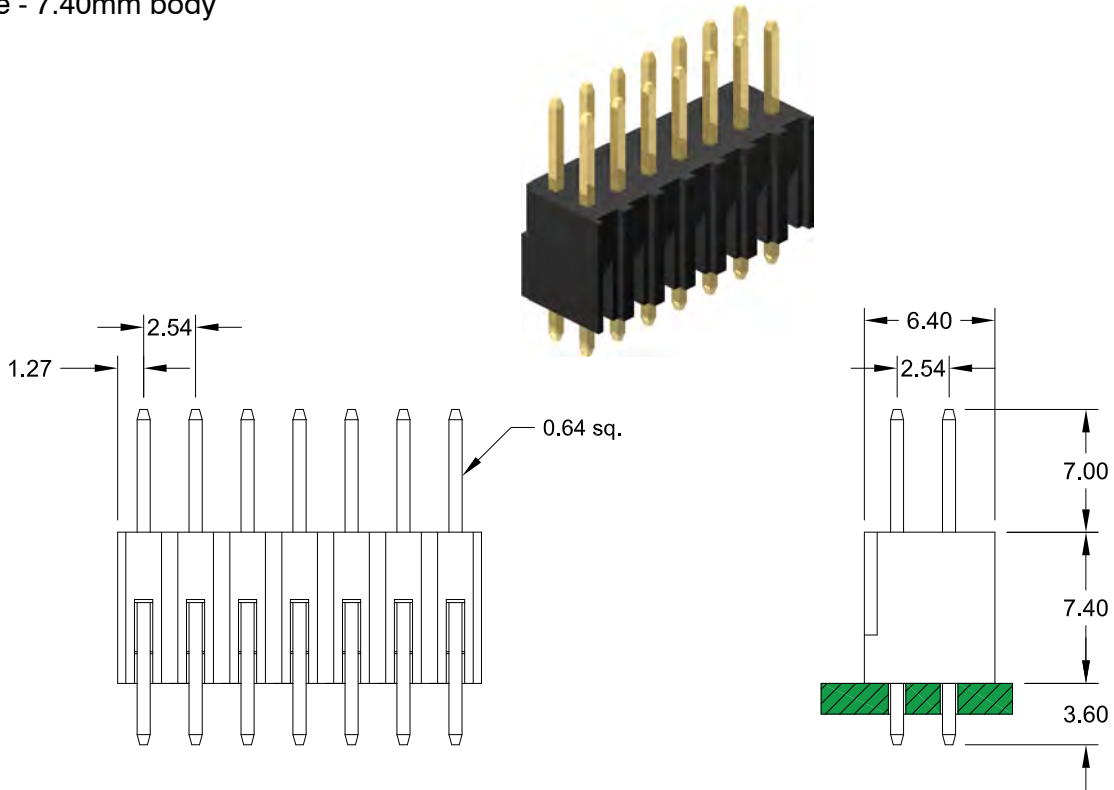
Many other dimensions available on request

How to order

SL x - xxx - X xxx/xx - 55

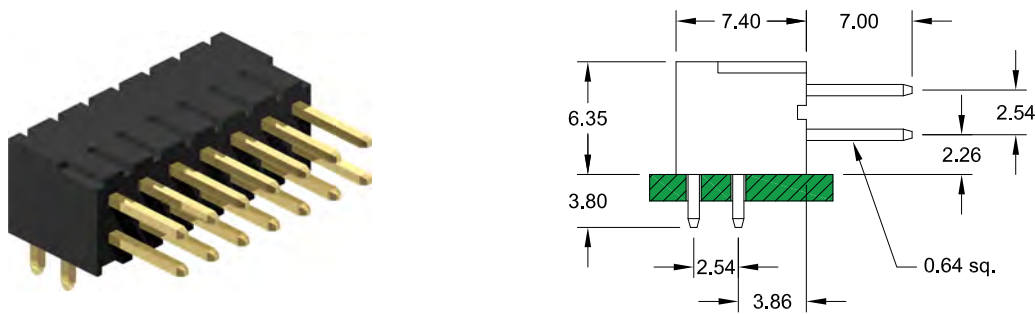
Rows	Nbr of pins	Pin style & Insulator	Pin code	Plating
<p><b>1</b> = single row</p> <p><b>2</b> = dual row</p> <p><b>3</b> = triple row</p>	<p>single row = <b>002</b> to <b>040</b></p> <p>dual row = <b>004</b> to <b>080</b></p> <p>triple row = <b>009</b> to <b>120</b></p>	<p><b>R</b> = Down angle (PBT Insulator)</p> <p><b>RH</b> = Down angle (PA6T Insulator)</p> <p><b>U</b> = Up angle (PBT Insulator)</p> <p><b>UH</b> = Up angle (PA6T Insulator)</p>	<p>see above table</p>	<p><b>55</b> = Gold (standard)</p> <p><b>99</b> = Tin (leadfree)</p> <p><b>95</b> = Tin/Gold (tin leadfree)</p> <p>other platings on request</p>

straight Style - 7.40mm body



**S740**

right angle Style - 6.35mm body

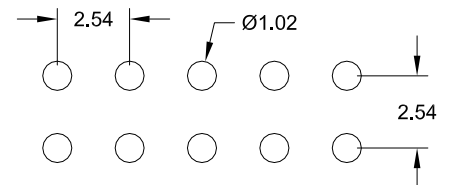


**R635**

**Specifications**

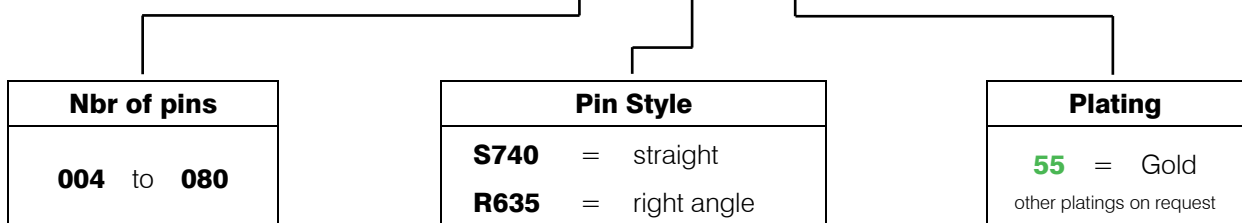
Current rating	3 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	Brass
Insulator material	PBT UL 94 V-0

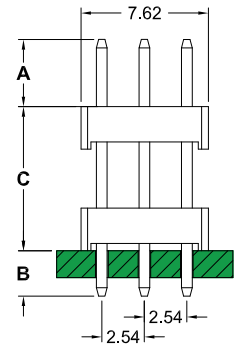
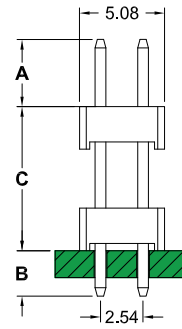
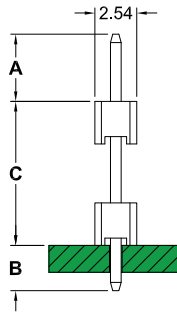
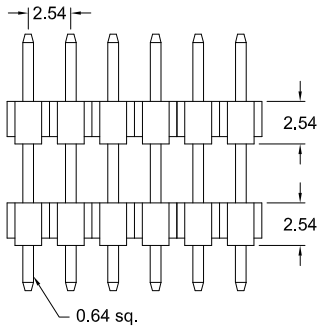
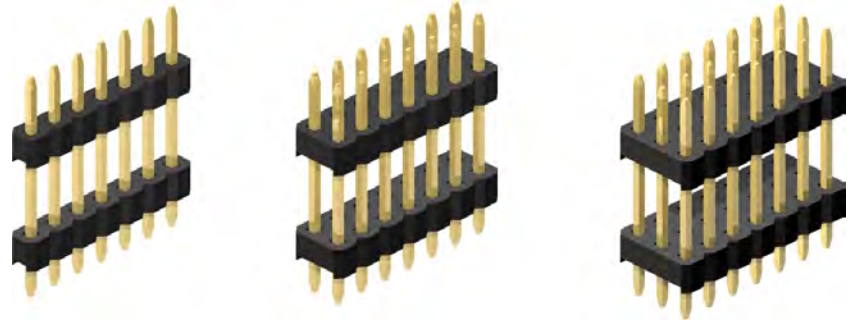
**PCB Hole Layout**



How to order

SE2 - xxx - Xxxx - 55





**Pin Style**

Pin code	DIM "A"	DIM "B"	DIM "C"	Pin code	DIM "A"	DIM "B"	DIM "C"	Pin code	DIM "A"	DIM "B"	DIM "C"	Pin code	DIM "A"	DIM "B"	DIM "C"	Pin code	DIM "A"	DIM "B"	DIM "C"
141/15	7,40	3,20	3,50	147/08	3,00	3,00	8,70	228/02	6,50	3,30	13,00	249/02	5,10	3,30	16,50	302/01	6,80	2,50	20,90
108/15	3,00	3,00	4,80	171/01	4,80	3,30	9,00	249/07	8,80	2,50	13,60	308/05	11,30	3,00	16,50	270/05	3,00	3,00	21,00
110/04	3,00	3,00	5,00	180/01	6,00	3,00	9,00	200/03	3,00	3,00	14,00	270/03	7,20	3,00	16,80	316/02	7,60	3,00	21,00
249/04	16,60	3,30	5,00	249/11	13,00	2,90	9,00	230/01	6,00	3,00	14,00	263/02	6,60	2,80	16,90	276/01	3,20	3,20	21,20
141/03	6,00	3,00	5,10	177/05	4,90	3,30	9,50	262/04	9,20	2,80	14,20	317/01	6,50	3,20	17,00	318/01	7,50	3,00	21,30
185/07	10,60	2,80	5,10	211/05	8,20	3,30	9,60	235/02	5,80	3,00	14,70	273/01	6,60	3,20	17,50	342/05	9,20	3,00	22,00
125/14	4,00	3,00	5,50	190/03	6,00	3,30	9,70	290/06	11,30	3,00	14,70	300/01	9,50	3,00	17,50	290/15	3,30	3,30	22,40
116/06	2,80	2,80	6,00	240/07	11,00	3,30	9,70	212/01	3,10	3,10	15,00	312/05	10,90	2,80	17,50	320/02	6,00	3,00	23,00
189/01	9,50	3,00	6,40	160/01	3,00	3,00	10,00	260/03	8,00	3,00	15,00	260/02	5,00	3,30	17,70	340/03	8,00	3,00	23,00
135/11	3,50	3,50	6,50	194/01	6,40	3,00	10,00	266/02	8,60	3,00	15,00	262/03	5,60	2,80	17,80	378/05	11,00	3,30	23,50
147/10	4,90	3,30	6,50	230/03	10,00	3,00	10,00	283/01	10,00	3,30	15,00	249/03	3,60	3,30	18,00	323/01	5,50	2,80	24,00
159/07	6,00	3,30	6,60	207/01	7,00	3,10	10,60	378/06	19,80	2,80	15,20	263/01	5,50	2,80	18,00	340/06	7,00	3,00	24,00
140/15	4,50	2,50	7,00	183/02	3,60	3,70	11,00	274/02	8,70	3,30	15,40	280/03	7,00	3,00	18,00	450/01	18,00	3,00	24,00
180/09	8,00	3,00	7,00	219/02	7,30	3,30	11,30	215/01	3,00	3,00	15,50	378/04	16,50	3,30	18,00	312/01	3,40	3,40	24,50
200/02	10,00	3,00	7,00	177/04	3,00	3,25	11,40	285/01	10,00	3,00	15,50	250/03	3,00	3,00	19,00	360/02	8,00	3,00	25,00
160/03	5,80	2,80	7,40	216/10	6,50	3,60	11,50	270/07	8,50	3,00	15,50	290/07	6,70	3,30	19,00	340/02	5,30	3,00	25,70
135/09	3,00	3,00	7,50	288/01	14,40	2,80	11,60	308/01	12,00	3,30	15,50	290/12	7,00	3,00	19,00	312/02	2,60	2,60	26,00
144/01	3,20	3,20	8,00	180/02	3,00	3,00	12,00	248/01	6,10	3,00	15,70	279/01	5,10	3,30	19,50	358/02	5,90	3,60	26,30
173/01	6,00	3,30	8,00	225/03	7,50	3,00	12,00	261/99	7,60	2,80	15,70	290/14	6,00	3,00	20,00	342/04	5,00	2,80	26,40
360/03	25,00	3,00	8,00	260/08	11,00	3,00	12,00	220/01	3,00	3,00	16,00	340/08	10,70	3,30	20,00	330/01	3,00	3,00	27,00
185/12	7,60	2,80	8,10	211/01	6,00	2,90	12,20	238/02	5,00	2,80	16,00	362/03	13,00	3,20	20,00	365/03	6,50	3,00	27,00
186/05	6,60	3,60	8,40	180/10	2,70	2,70	12,60	250/04	6,00	3,00	16,00	400/03	17,00	3,00	20,00	340/99	3,00	3,00	28,00
155/11	3,50	3,50	8,50	177/02	2,50	2,50	12,70	296/01	10,60	3,00	16,00	265/04	3,10	3,10	20,30	378/03	6,50	3,30	28,00
210/03	9,00	3,50	8,50	190/04	3,00	3,00	13,00	244/01	5,30	2,60	16,50	288/03	5,30	2,80	20,70	390/02	8,00	3,00	28,00

all dimensions mm

Many other dimensions available on request

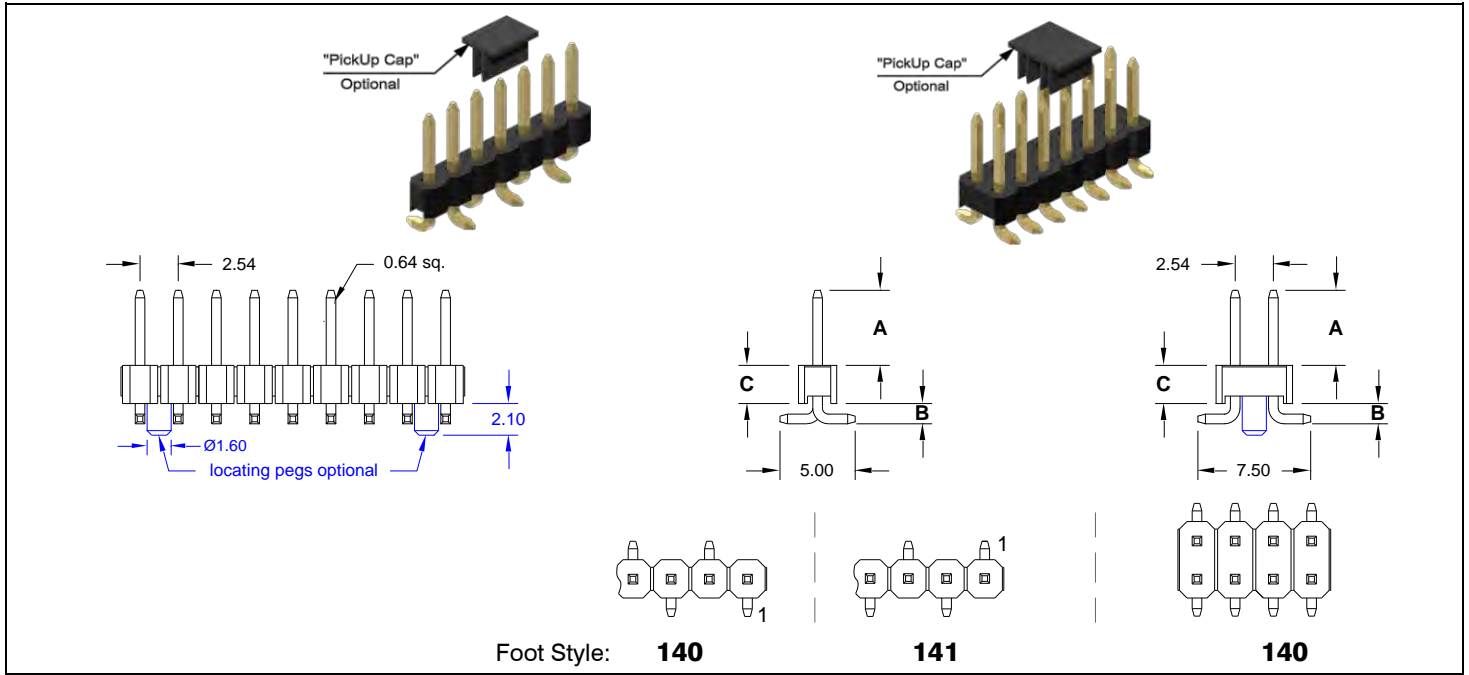
**Specifications**

Current rating	3 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material (RoHS compliant)	Brass
Withstanding voltage	500 V AC	Insulator material (RoHS compliant)	PBT or PA6T UL 94 V-0
			Standard : PBT

**How to order**

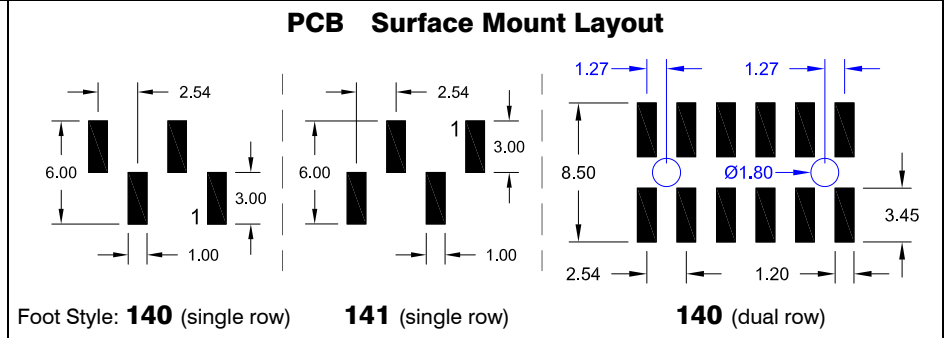
SP x - xxx - S xxx/xx - xx

Rows	Nbr of pins	Insulator	Pin code	Plating
1 = single row	single row = <b>002</b> to <b>040</b>	<b>S</b> = PBT	see above table	<b>55</b> = Gold (standard)
2 = dual row	dual row = <b>004</b> to <b>080</b>	<b>SH</b> = PA6T		<b>99</b> = Tin (leadfree)
3 = triple row	triple row = <b>009</b> to <b>120</b>			<b>95</b> = Tin/Gold (tin leadfree)
				other platings on request



**Application and Features**

- **Standard: Tube packing and without "PickUp Cap"**
- Standard Pin code **01**, many pin dimensions on request
- Mating with 2.54mm Female Headers



**Specifications**

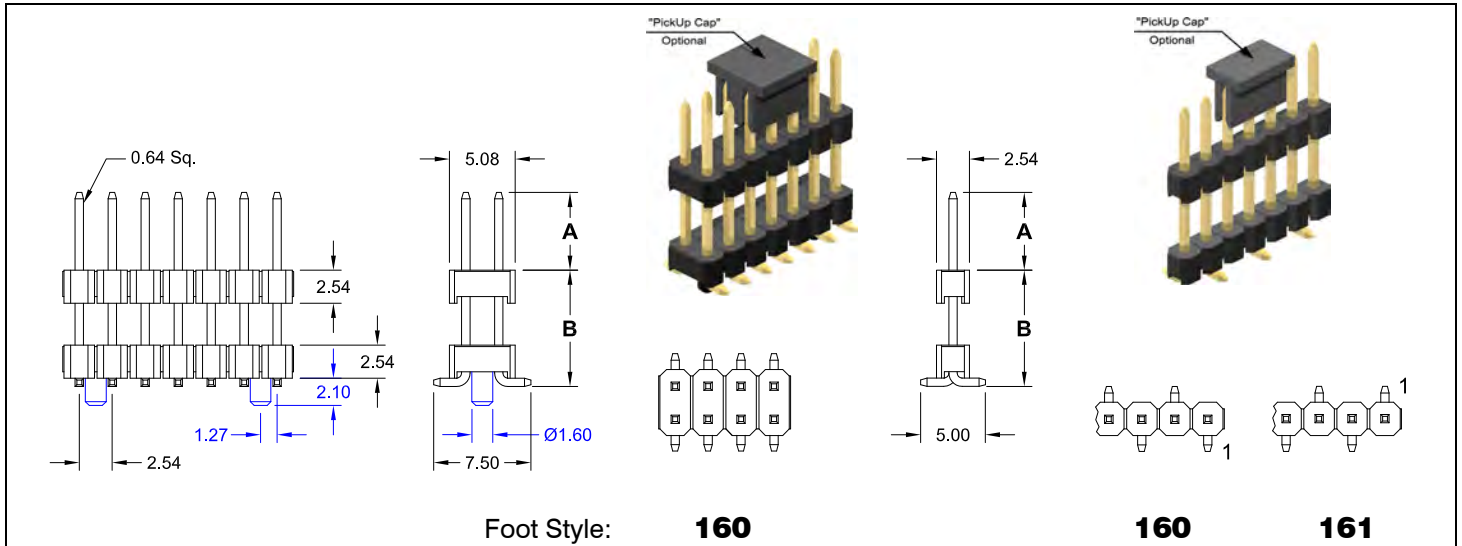
Current rating	3 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Processing temperature	+250°C +0/-5°C for 5sec.
Withstanding voltage	500 V AC	Contact material	(RoHS compliant) Brass
		Insulator material	(RoHS compliant) PA6T UL 94 V-0

**How to order**

SS x - xxx - X 14x / xx - 55 X

Rows	Nbr of pins	Insulator Style	Foot Style	Pin code	DIM "A"	DIM "B"	DIM "C"	Plating	Options
1 single row	002 to 040	<b>H</b> (=Standard) if DIM"C"=2.54mm	<b>140</b> <b>141</b> <small>Pls. choose 140 style if odd pin count.</small>	00	5.00	1.00	1.50	<b>55</b> = Gold  other platings on request	<b>without "locating pegs"</b> <b>A</b> = Tube packing; with „PickUp Cap“ <b>B</b> = Reel packing; with „PickUp Cap“
				01	6.00	1.82	2.54		
2 dual row	004 to 080	<b>TH</b> if DIM"C"=1.50mm  <b>Please note:</b> 1.50mm Insulator is only available without locating peg.	<b>140</b>	02	10.70	1.27	2.54		<b>with "locating pegs"</b> (only available for dual row Pin Headers) <b>C</b> = Tube packing; w/o „PickUp Cap“ <b>D</b> = Tube packing; with „PickUp Cap“ <b>E</b> = Reel packing; with „PickUp Cap“
				03	14.20	0.64	2.54		
				04	6.00	0.64	2.54		
				05	10.70	1.82	2.54		
				06	6.00	1.27	2.54		
				07	4.00	1.00	1.50		
				08	9.60	1.90	2.54		
				09	8.13	1.27	2.54		
				10	3.00	1.96	2.54		
				11	8.10	0.72	2.54		
				12	3.23	3.22	2.54		
13	4.85	2.30	2.54						
				other dimensions on request					

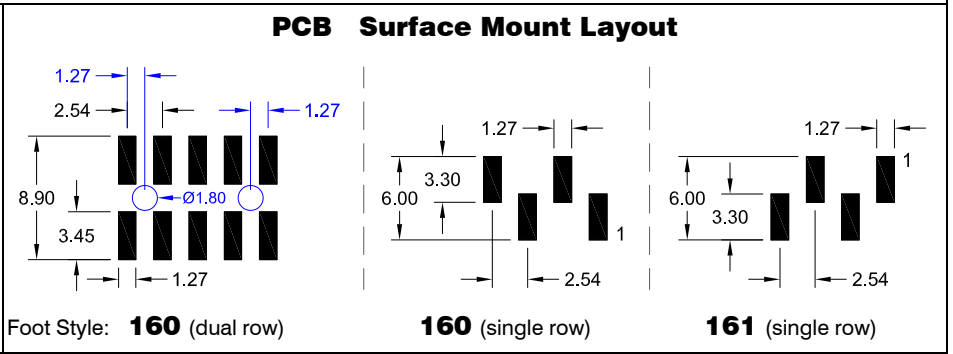
- SMT -



Foot Style: **160** **160** **161**

**Application and Features**

- **Standard: Tube packing, without "locating pegs" and without "PickUp Cap"**
- Designed for "Board to Board" spacing
- Variable terminal length available
- Mate with Female Header 2.54mm pitch



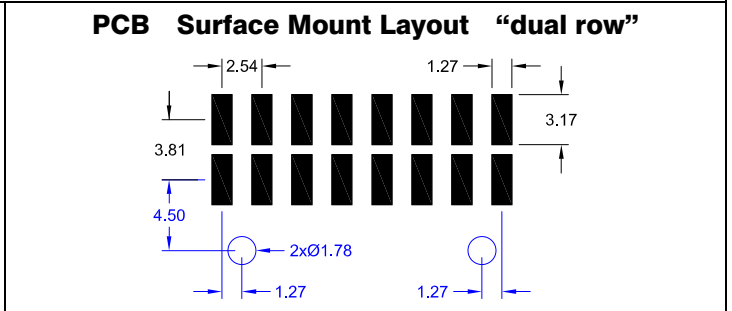
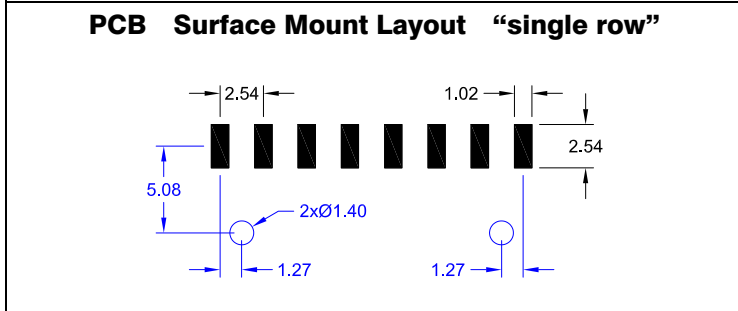
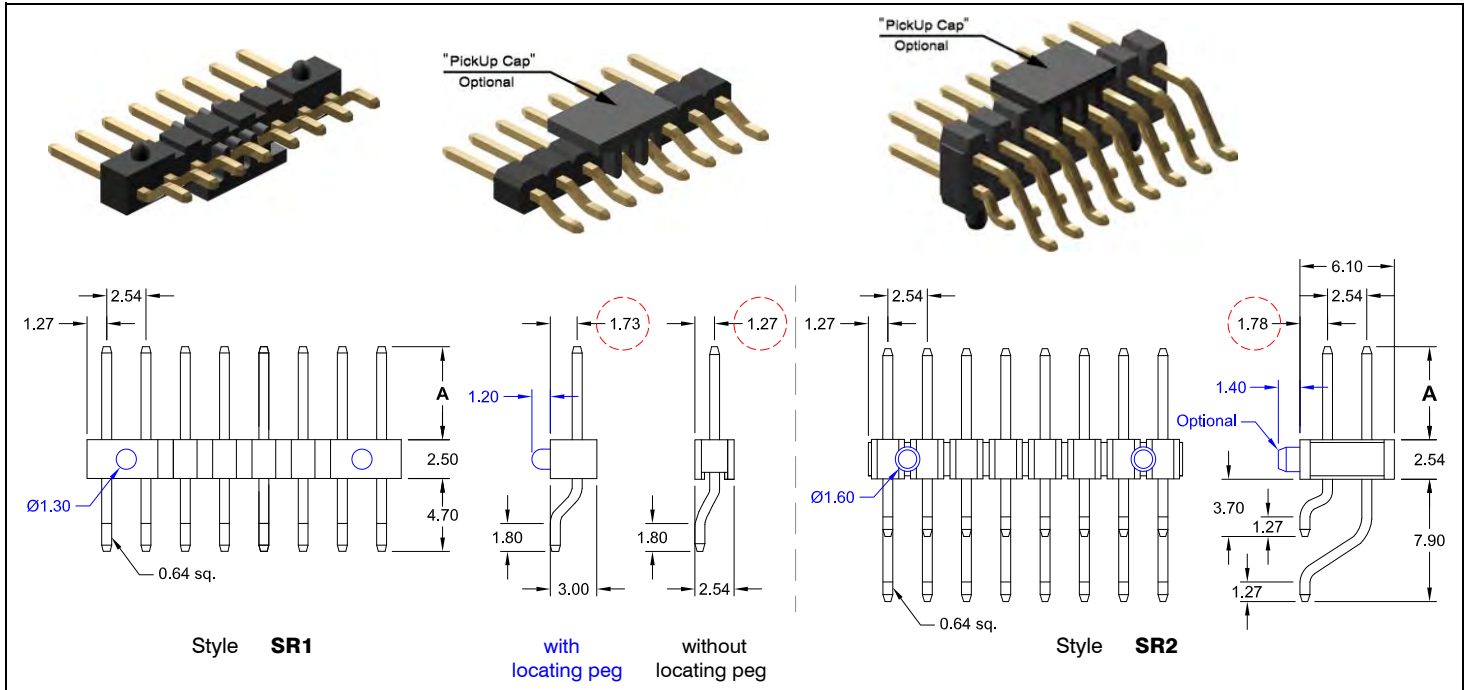
**Specifications**

Current rating	3 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Processing temperature	+250°C +0/-5°C for 5sec.
Withstanding voltage	500 V AC	Contact material	(RoHS compliant) Copper alloy
		Insulator material	(RoHS compliant) PA6T UL 94 V-0

How to order

SP **X** - **xxx** - H **xxx** / **xx** - **55** X

Rows	Nbr of pins	Foot Style	Pin code	DIM "A"	DIM "B"	Plating	Options				
1 single row	002 to 040	160 161  Pls. choose 160 Style if odd pin count.	16	3,50 mm	5,30 mm	55 = Gold  other platings on request	<b>without "locating pegs"</b> <b>A</b> = Tube packing; with „PickUp Cap“ <b>B</b> = Reel packing; with „PickUp Cap“				
			03	5,50 mm	6,40 mm						
			12	5,50 mm	7,50 mm						
			04	7,50 mm	9,40 mm						
			07	5,90 mm	10,60 mm						
			09	3,70 mm	10,70 mm						
			01	6,00 mm	11,40 mm						
			15	6,90 mm	12,50 mm						
			14	8,80 mm	13,60 mm						
			06	5,50 mm	14,00 mm						
			17	7,00 mm	14,50 mm						
2 dual row	004 to 080	160	05	6,00 mm	15,50 mm	55 = Gold  other platings on request	<b>with "locating pegs"</b> <b>dual row only!</b> <b>C</b> = Tube packing; w/o „PickUp Cap“ <b>D</b> = Tube packing; with „PickUp Cap“ <b>E</b> = Reel packing; with „PickUp Cap“				
			13	8,80 mm	16,10 mm						
			02	4,50 mm	17,00 mm						
			08	6,00 mm	28,00 mm						
			10	2,70 mm	28,30 mm						
			11	4,00 mm	34,30 mm						
								other dimensions on request			



**Specifications**

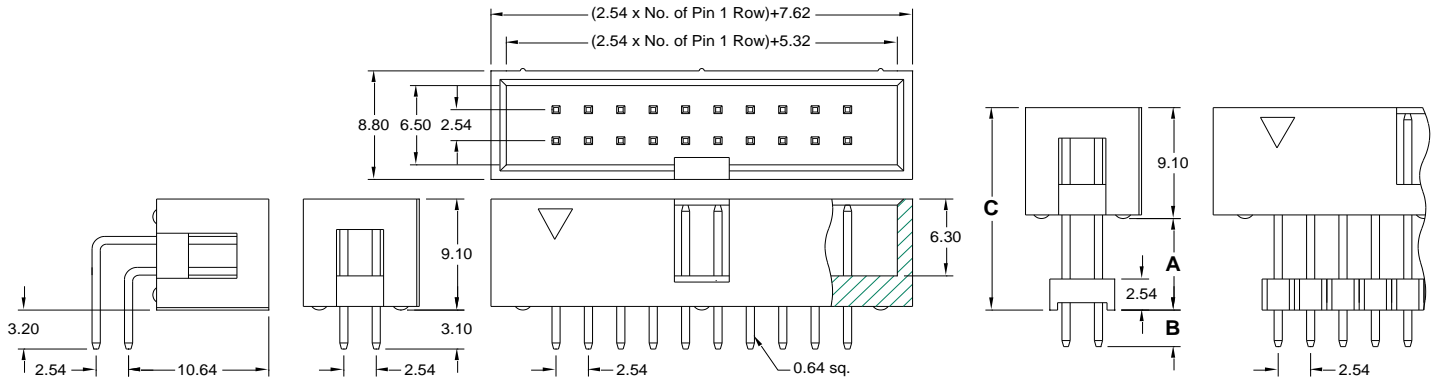
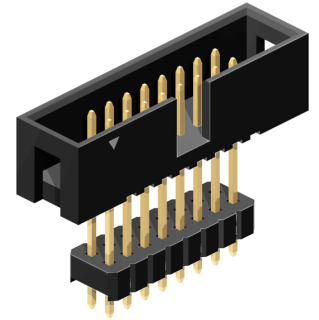
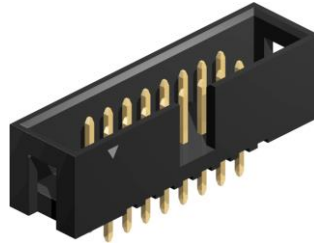
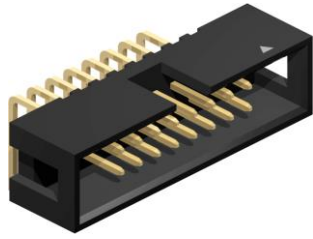
Current rating	3 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC

Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +5/-0°C for 5sec.
Contact material	(RoHS compliant) Copper alloy
Insulator material	(RoHS compliant) SR1 = PA6T UL 94 V-0 SR2 = LCP UL 94 V-0

**How to order**

SR x - xxx - H xxx/xx - xx X

Rows	Nbr of pins	Pin code	DIM "A"	Plating	Options (standard: Tube packing and w/o PickUp Cap)	
1 single row	<i>without locating pegs</i> <b>002 to 040</b>	<b>135/00</b>	3.00 mm	<b>55</b> = Gold  <b>95</b> = Tin/Gold <i>(tin leadfree)</i>  other platings on request	<b>without "locating pegs"</b> <b>A</b> = Tube packing; with „PickUp Cap“ <b>B</b> = Reel packing; with „PickUp Cap“	
		<b>135/01</b>	3.60 mm			
		<b>135/02</b>	6.00 mm			
		<b>135/03</b>	6.80 mm			
		<b>135/04</b>	7.20 mm			
	<i>with locating pegs</i> <b>003 to 030</b>	<b>135/05</b>	7.40 mm			<b>with "locating pegs"</b> <b>C</b> = Tube packing; without „PickUp Cap“ <b>D</b> = Tube packing; with „PickUp Cap“ <b>E</b> = Reel packing; with „PickUp Cap“
		<b>135/06</b>	10.70 mm			
		<b>135/07</b>	10.40 mm			
		<b>135/08</b>	5.85 mm			
		<b>135/09</b>	8.15 mm			
2 dual row	<b>006 to 080</b>	<b>135/10</b>	10.00 mm			
		other dimensions on request				



Style **R920**

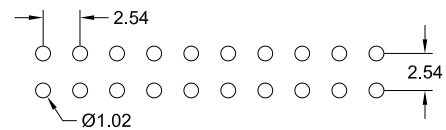
**S920**

**Dxxx**

**Application and Features**

- Mating devices for Female Headers, solder tail and IDC Type
- Reliable flat cable to PCB connection
- No ejection latches for space saving

**PCB Hole Layout**



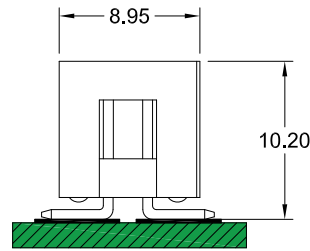
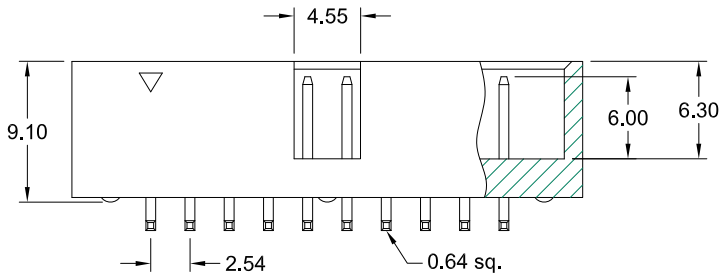
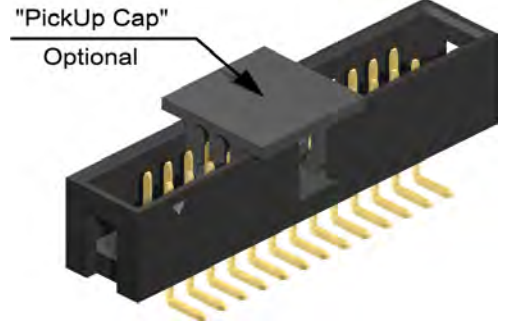
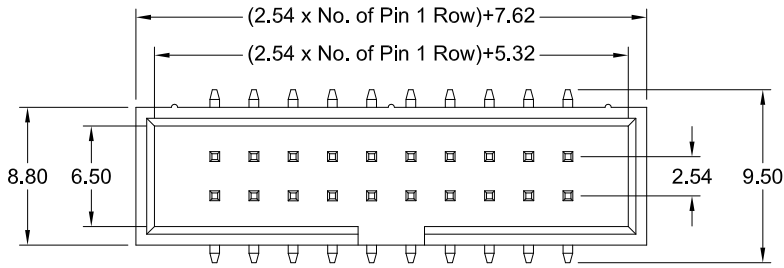
**Specifications**

Current rating	3 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material	Brass (RoHS compliant)
Withstanding voltage	500 V AC	Insulator material	PBT (RoHS compliant) UL 94 V-0

**How to order**

**SLS - xxx - X xxx - 55**

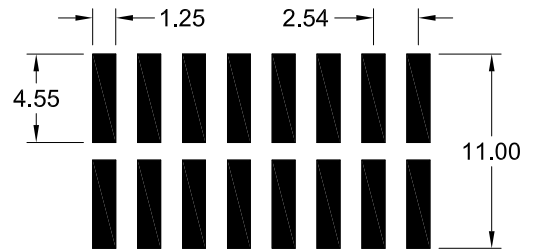
Nbr of pins	Style	Pin code for "Dxxx" = raised Style	DIM "A" (mm)	DIM "B" (mm)	DIM "C" (mm)	Plating
<b>"S" &amp; "R" Style:</b> 006; 008; 010; 012; 014; 016 020; 024; 026; 030; 034; 040 044; 050; 060; 064	<b>S920</b> = straight <b>R920</b> = right angle	<b>141</b> <b>166</b> <b>232</b> <b>235</b>	5.00 7.50 14.10 14.40	3.00 3.00 3.00 3.00	14.10 16.60 23.20 23.50	<b>55</b> = Gold  other platings on request
<b>"D" Style:</b> 006; 008; 010; 012; 014; 016 020; 024; 026; 030; 034; 040 050; 060; 064	<b>Dxxx</b> = raised Style	other dimensions on request				



**Application and Features**

- **Standard: Tray packing and without "PickUp Cap"**
- Also available "Reel" packing
- Mating devices for Female Headers, solder tail and IDC Type
- Reliable flat cable to PCB connection
- No ejector latches for space saving

**PCB Surface Mount Layout**



**Specifications**

Current rating	3 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	500 V AC

Operating temperature	- 40°C to +105°C
Processing temperature	+250°C +0/-5°C for 5sec.
Contact material	(RoHS compliant) Brass
Insulator material	(RoHS compliant) PA6T UL 94 V-0

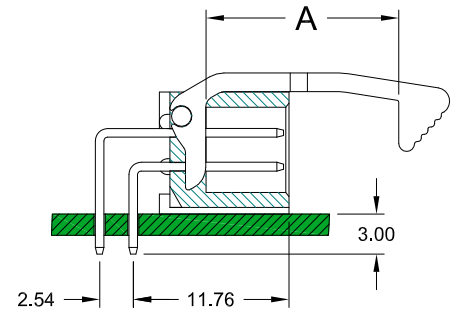
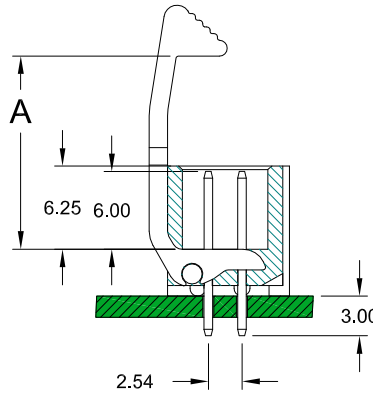
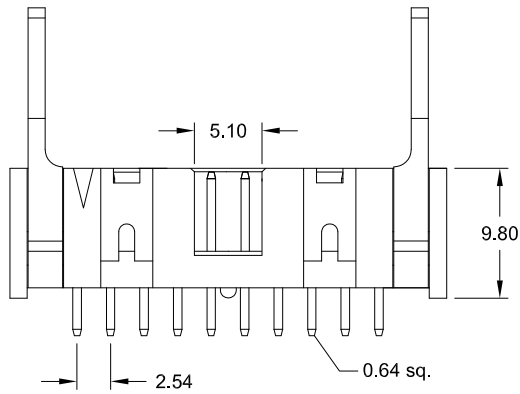
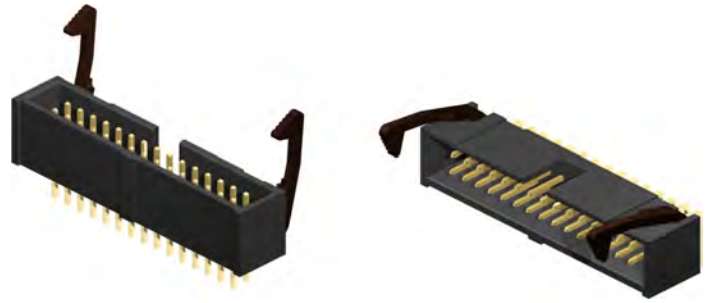
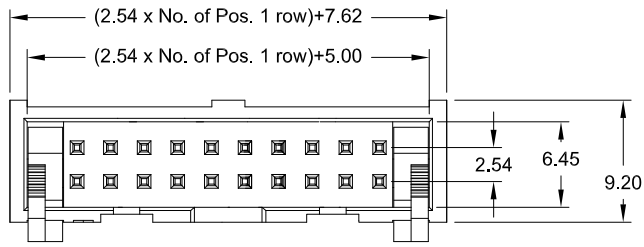
**How to order**

**SLS - xxx - H885 - 55 / X**

Nbr of pins
<b>006; 008; 010; 012</b>
<b>014; 016; 020; 024</b>
<b>026; 030; 034; 040</b>
<b>044; 050</b>

Plating
<b>55</b> = Gold
other platings on request

Packing and „PickUp Cap“ Option
<b>F</b> = Tray packing; with „PickUp Cap“
<b>T</b> = Tube packing; without „PickUp Cap“
<b>A</b> = Tube packing; with „PickUp Cap“
<b>B</b> = Reel packing; with „PickUp Cap“



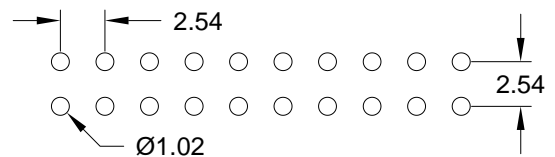
Style **S103**

**R103**

**Application and Features**

- Mating devices for Female Headers IDC Type
- Reliable flat cable to PCB connection
- Ejection latches for easy handling

**PCB Hole Layout**



**Specifications**

Current rating	3 A
Insulation resistance	1000 MΩ min.
Withstanding voltage	1000 V AC

Operating temperature	- 40°C to +105°C
Contact material	(RoHS compliant) Copper alloy
Insulator material	(RoHS compliant) PBT UL 94 V-0
	<b>Standard:</b> black

**How to order**

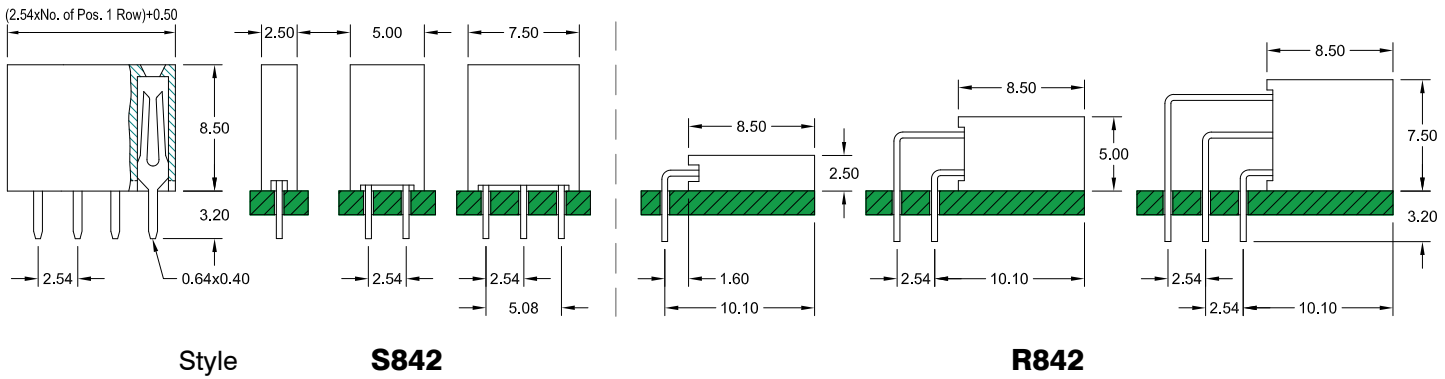
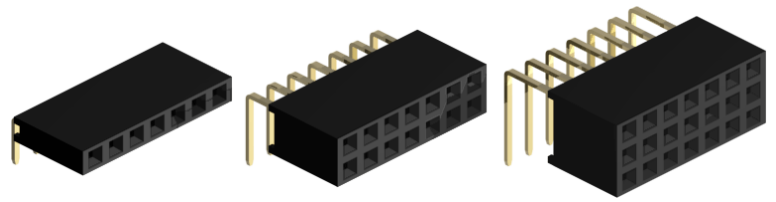
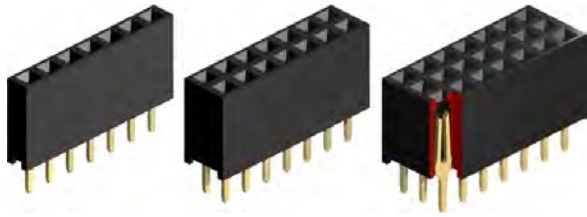
SLS - xxx - X 103 - 55 / X

Nbr of pins
006; 008; 010
014; 016; 020
026; 030; 034
040; 050; 060
064

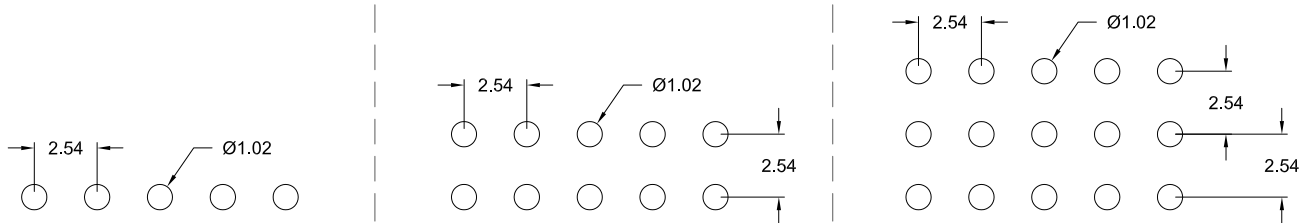
Style
<b>S</b> = straight
<b>R</b> = right angle

Plating
<b>55</b> = Gold
other platings on request

Latch Style
<b>S</b> = short latch DIM "A" = 10.65 mm
<b>L</b> = long latch DIM "A" = 14.55 mm



**PCB Hole Layout**



**Application and Features**

- Standard profile, 8.50 mm height for straight connector style
- Hi-rel fork contacts
- Accepts 0.64 mm square pins

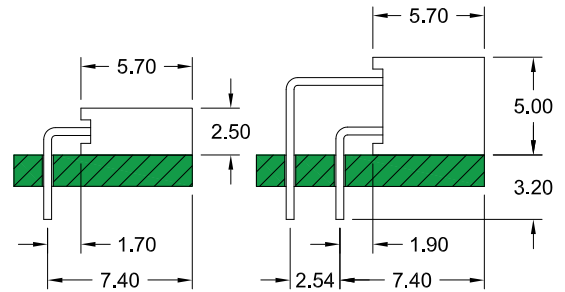
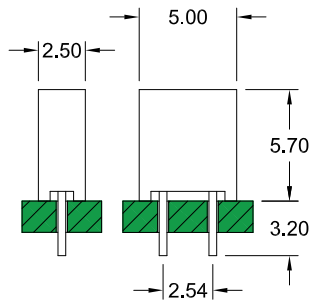
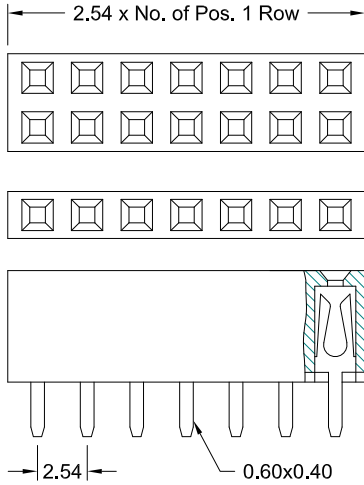
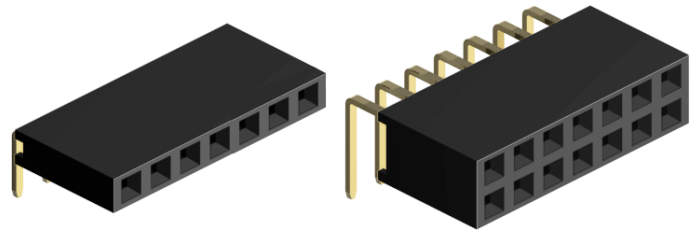
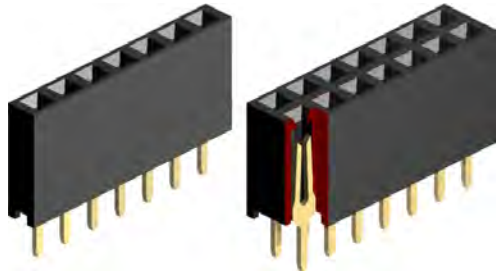
**Specification**

Current rating	3 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material <i>(RoHS compliant)</i>	Brass
Insulator material <i>(RoHS compliant)</i>	PBT UL 94 V-0

**How to order**

BL x - xxx - X842 - 55

Rows	Nbr of contacts	Connector Style	Plating
<b>1</b> = single row <b>2</b> = dual row <b>3</b> = triple row	single row = <b>002</b> to <b>040</b> dual row = <b>004</b> to <b>080</b> triple row = <b>009</b> to <b>120</b>	<b>S842</b> = straight <b>R842</b> = right angle dimensions see drawings above	<b>55</b> = Gold other platings on request



Style

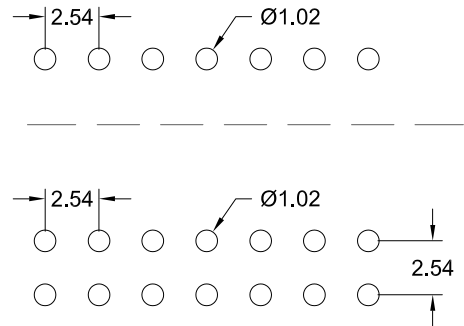
S570

R570

**Specifications**

Current rating	3 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	(RoHS compliant) Phosphor Bronze
Insulator material	(RoHS compliant) PBT UL 94 V-0

**PCB Hole Layout**



How to order

BL x - xxx - X 570 - 55

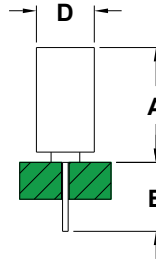
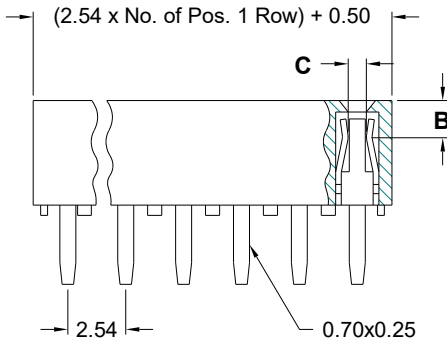
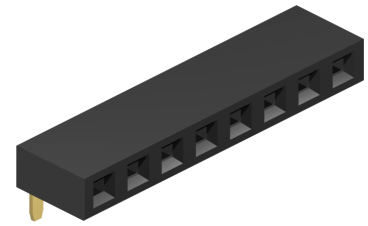
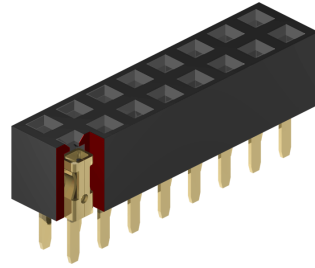
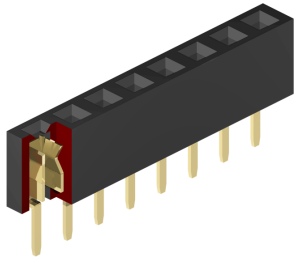
Rows	
<b>1</b>	= single row
<b>2</b>	= dual row

Nbr of contacts	
single row	= <b>002</b> to <b>040</b>
dual row	= <b>004</b> to <b>080</b>

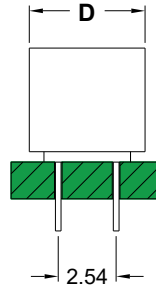
Connector Style	
<b>S</b>	= straight
<b>R</b>	= right angle

Plating	
<b>55</b>	= Gold
other platings on request	

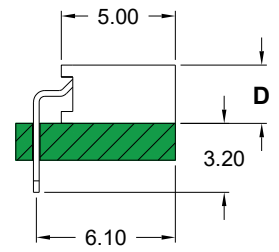
2.54mm pitch Female Header  
- THT - folded contacts



single row

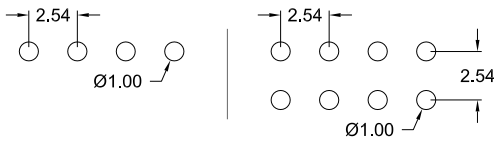


dual row



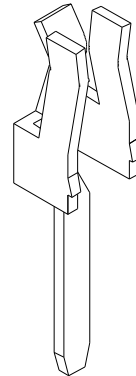
right angle

**PCB Hole Layout**

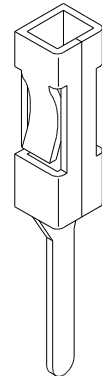


**Specifications**

Current rating	3 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material	(RoHS compliant) Phosphor Bronze
Insulator material	(RoHS compliant) PBT UL 94 V-0



Contact Style 1

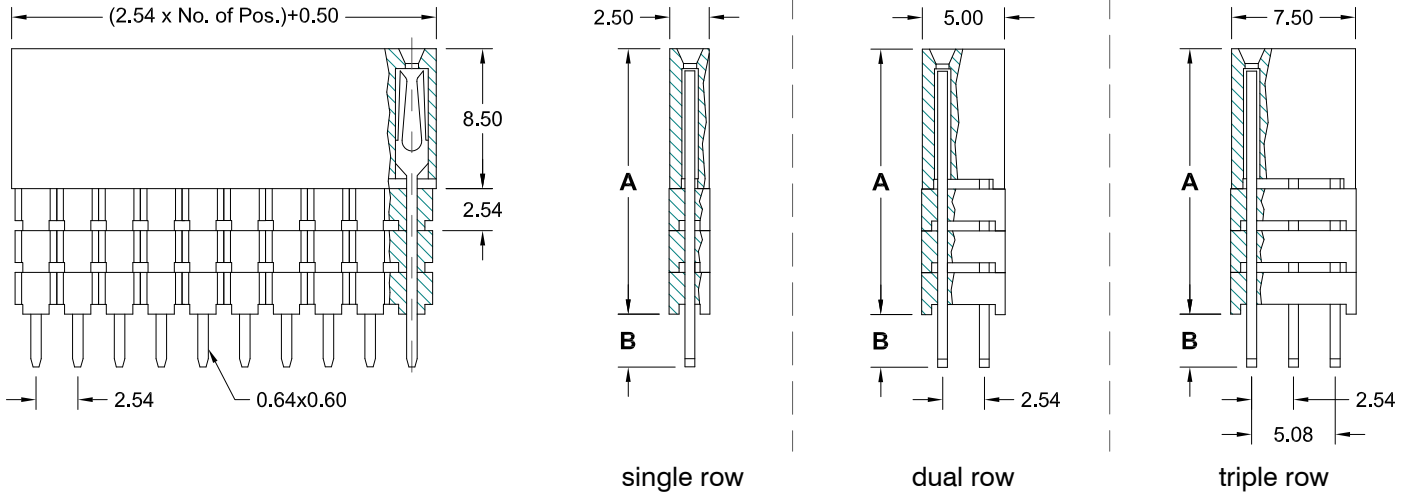
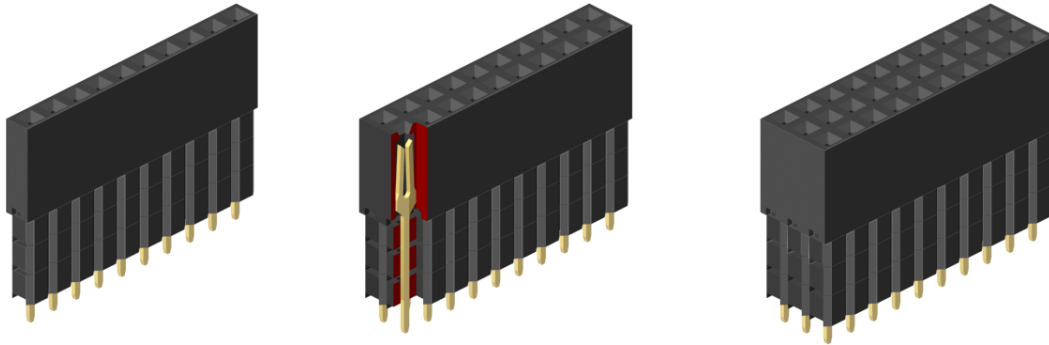


Contact Style 2

**How to order**

**BF** x - xxx - Xxxx - **55**

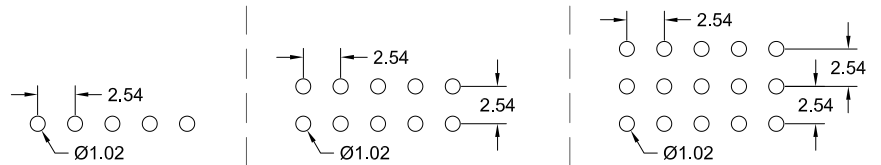
Rows	Nbr of contacts	Code	Connector Style	Contact Style	DIM "A" (mm)	DIM "B" (mm)	DIM "C" (mm)	DIM "D" (mm)	DIM "E" (mm)	Plating
<b>1</b> = 1 row <b>2</b> = 2 rows	<b>002</b> to <b>040</b> (1 row) <b>004</b> to <b>080</b> (2 rows)	<b>S500</b>	straight	1	5.00	1.50	0.42	2.50 (1 row) 5.00 (2 rows)	3.20	<b>55</b> = Gold  other platings on request
<b>1</b> = 1 row	<b>002</b> to <b>040</b> (1 row)	<b>R500</b>	R/A	1		1.50	0.42	2.50 (1 row)	3.20	
<b>1</b> = 1 row <b>2</b> = 2 rows	<b>002</b> to <b>030</b> (1 row) <b>004</b> to <b>060</b> (2 rows)	<b>S680</b>	straight	2	6.80	3.50	0.50	3.50 (1 row) 5.80 (2 rows)	3.50	
<b>1</b> = 1 row <b>2</b> = 2 rows	<b>002</b> to <b>040</b> (1 row) <b>004</b> to <b>080</b> (2 rows)	<b>S710</b>	straight	1	7.10	1.50	0.25	2.50 (1 row) 5.00 (2 rows)	3.20	
<b>1</b> = 1 row <b>2</b> = 2 rows	<b>002</b> to <b>040</b> (1 row) <b>004</b> to <b>080</b> (2 rows)	<b>S850</b>	straight	1	8.50	1.50	0.25	3.00 (1 row) 5.50 (2 rows)	3.20	



**Application and Features**

- Various heights for Board-to-Board connections
- Ideal solution for PC/104-Plus Systems
- Accepts 0.64mm square pins
- Hi-rel fork contact design

**PCB Hole Layout**



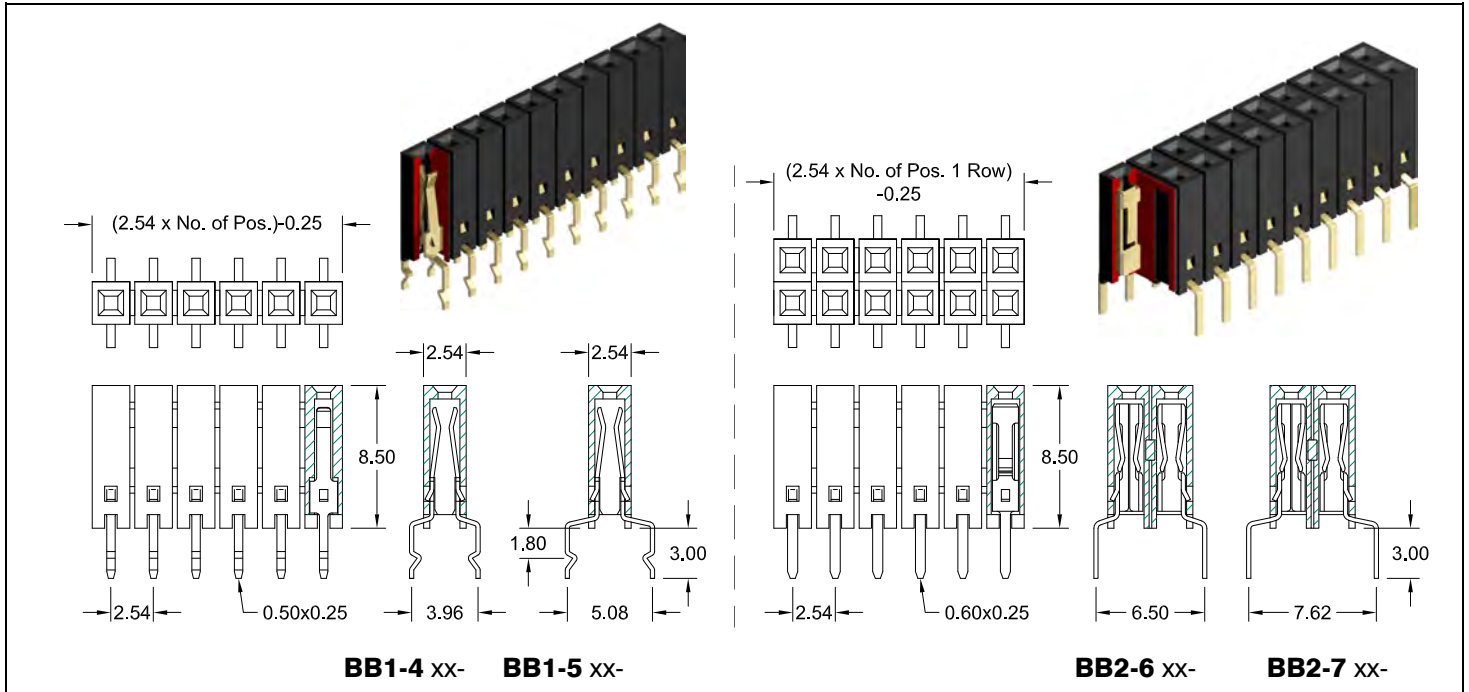
**Specifications**

Current rating	3 A	Operating temperature	- 40°C to +105°C
Insulation resistance	1000 MΩ min.	Contact material	Phosphor Bronze (RoHS compliant)
Contact resistance	20 mΩ max.	Insulator material	PBT UL 94 V-0 (RoHS compliant)
Withstanding voltage	500 V AC		

**How to order**

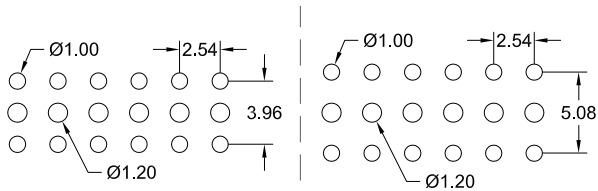
**BE x - xxx - S xxx - 55**

Rows	Nbr of contacts	Style	DIM "A"	DIM "B"	Plating
<b>1</b> = single row	single row = <b>002</b> to <b>040</b>	<b>111</b>	11.05 mm	2.30 mm	<b>55</b> = Gold
<b>2</b> = dual row	dual row = <b>004</b> to <b>080</b>	<b>112</b>	11.05 mm	7.35 mm	
<b>3</b> = triple row	triple row = <b>006</b> to <b>120</b>	<b>113</b>	11.05 mm	12.20 mm	other platings on request
		<b>131</b>	13.59 mm	4.85 mm	
		<b>132</b>	13.59 mm	9.65 mm	
		<b>161</b>	16.13 mm	2.30 mm	
		<b>162</b>	16.13 mm	7.10 mm	
		<b>181</b>	18.67 mm	4.60 mm	
other dimensions on request					

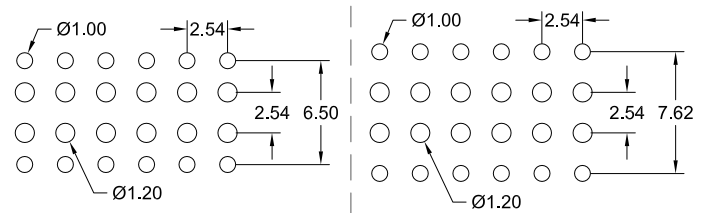


**PCB Hole Layout**

**single row** - 3.96 mm & 5.08 mm pin spacing



**dual row** - 6.50 mm & 7.62 mm pin spacing



**Application and Features**

- Hi-rel dual beam contact assures reliable PCB connections
- Dual entry design for board stacking
- Accepts 0.64mm square pins
- Stand-off's facilitate post solder cleaning

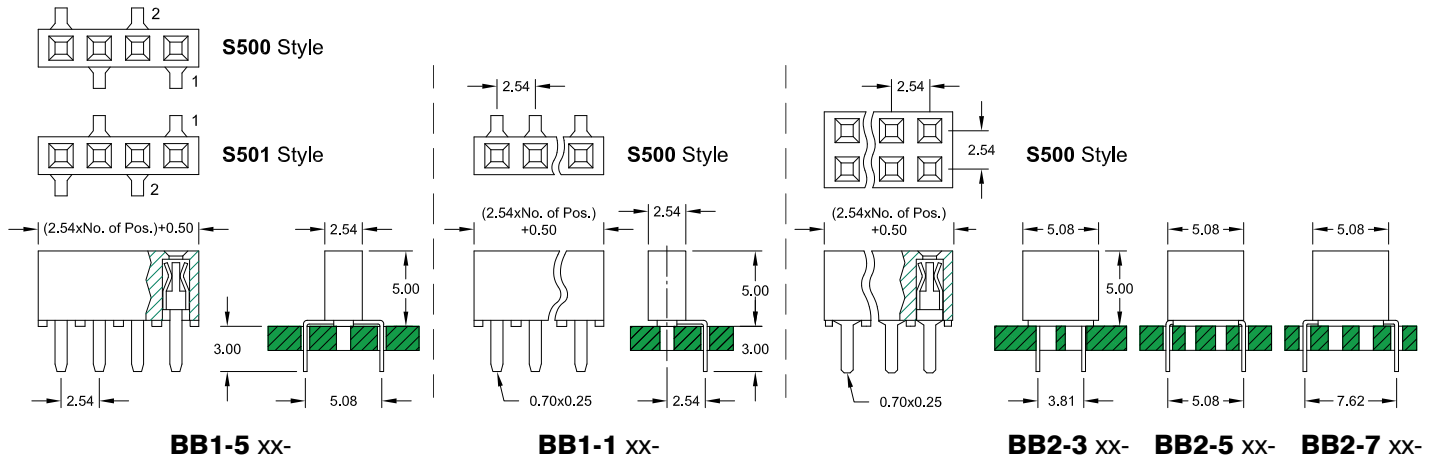
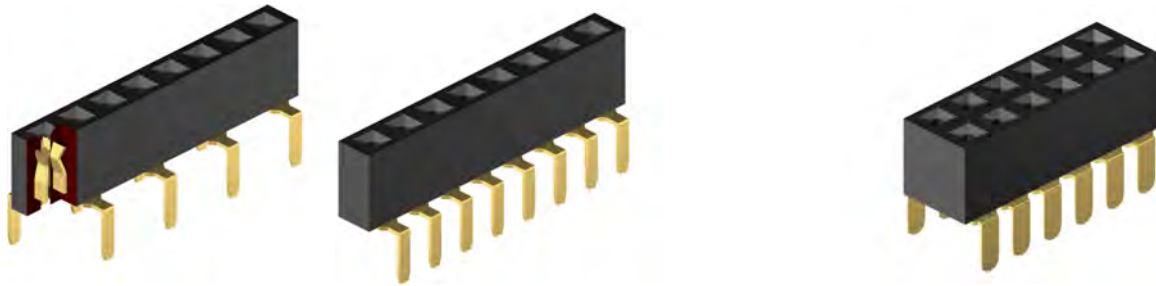
**Specifications**

Current rating	3 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material <i>(RoHS compliant)</i>	Phosphor Bronze
Insulator material <i>(RoHS compliant)</i>	LCP UL 94 V-0

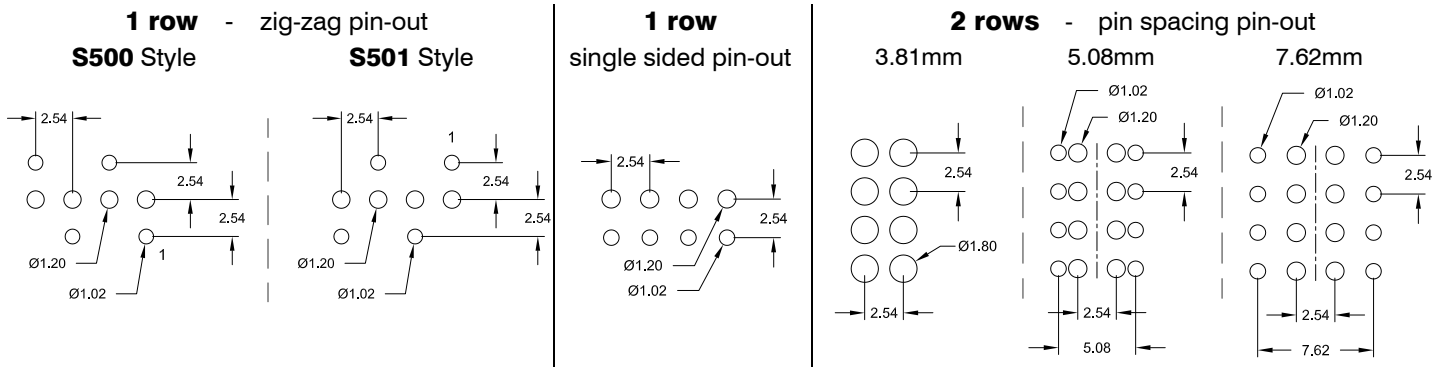
**How to order**

**BB x - x xx - B850 - 55**

Rows	Pin spacing	Nbr of contacts	Plating
<b>1</b> = single row	<b>4</b> = 3.96 mm <b>5</b> = 5.08 mm	single row = <b>02</b> to <b>40</b>	<b>55</b> = Gold
<b>2</b> = dual row	<b>6</b> = 6.50 mm <b>7</b> = 7.62 mm	dual row = <b>04</b> to <b>80</b>	



**PCB Hole Layout**



**Application and Features**

- Hi-rel dual beam contact assures reliable PCB connections
- Dual entry design for board stacking
- Accepts 0.64mm square pins
- Stand-off's facilitate post solder cleaning

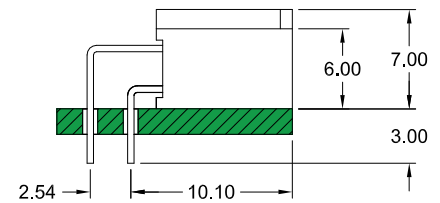
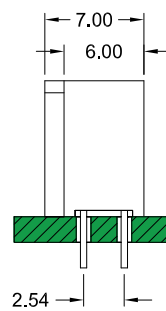
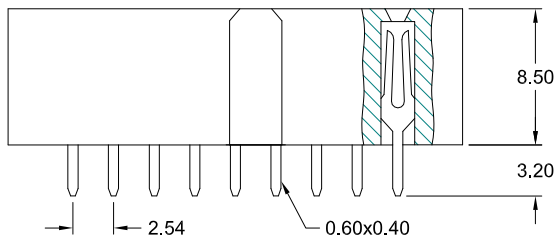
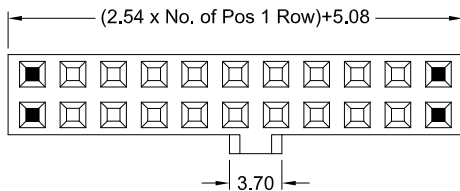
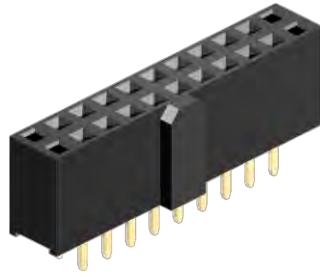
**Specifications**

Current rating	3 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to +105°C
Contact material <i>(RoHS compliant)</i>	Phosphor Bronze
Insulator material <i>(RoHS compliant)</i>	PBT UL 94 V-0

**How to order**

**BB x - x xx - S xxx - 55**

<b>Rows</b>	<b>Pin spacing</b>	<b>Nbr of contacts</b>	<b>Foot Style</b>	<b>Plating</b>
<b>1</b> = single row	<b>1</b> = single side only <b>5</b> = 5.08mm zig-zag	<i>single row</i> <b>02</b> to <b>40</b>	<i>single row</i> <b>500</b> & <b>501</b> Pls. choose <b>500</b> Style if odd pin count.	<b>55</b> = Gold
<b>2</b> = dual row	<b>3</b> = 3.81 mm <b>5</b> = 5.08 mm <b>7</b> = 7.62 mm	<i>dual row</i> <b>04</b> to <b>80</b>	<i>dual row</i> <b>500</b>	other platings on request



### Application and Features

Mating with Box (Shrouded) Header 2.54mm pitch

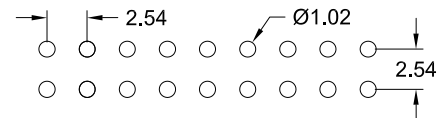
SLS-xxx-S920-xx, SLS-xxx-R920-xx, SLS-xxx-Dxxx-xx & SLS-xxx-H885-xx/X

Standard with polarization bump.

### Specifications

Current rating	3 A
Insulation resistance	1000 MΩ min.
Contact resistance	20 mΩ max.
Withstanding voltage	500 V AC
Operating temperature	- 40°C to + 105°C
Contact material	(RoHS compliant) Phosphor Bronze
Insulator Material	(RoHS compliant) PBT UL 94 V-0

### PCB Hole Layout



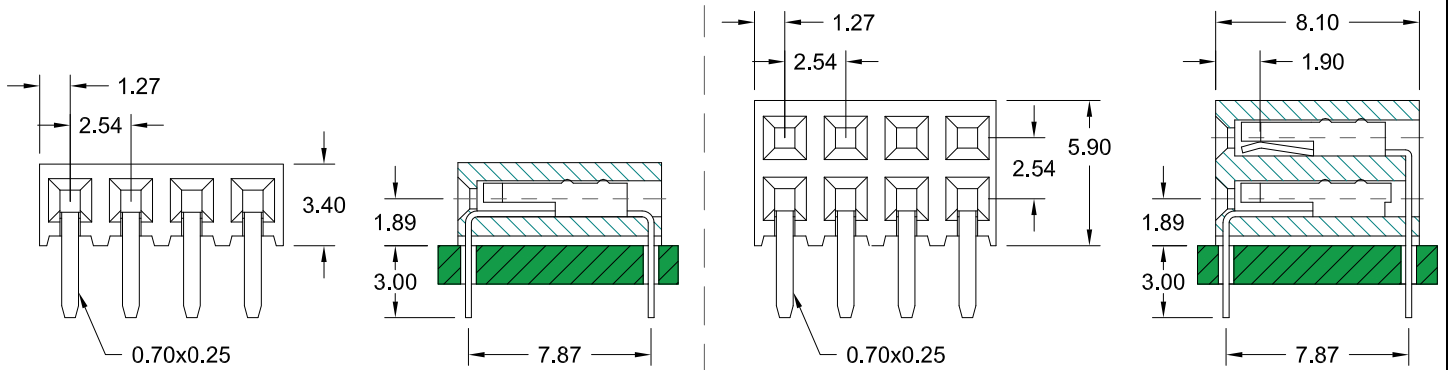
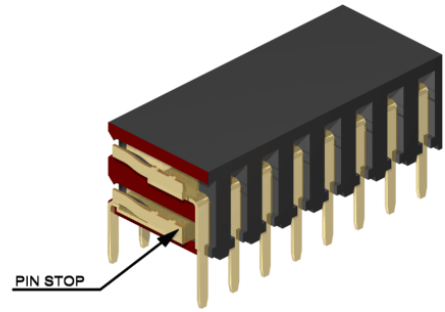
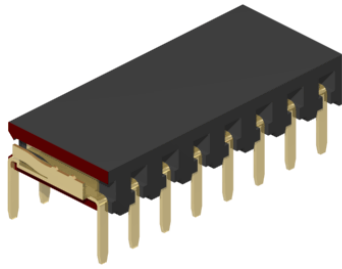
### How to order

BW2 - xxx - X 850 - 55/P

Nbr of contacts
006; 008; 010; 014
016; 020; 024; 026
030; 034; 040; 044
048; 050; 060; 064

Connector Style
<b>S</b> = straight
<b>R</b> = right angle

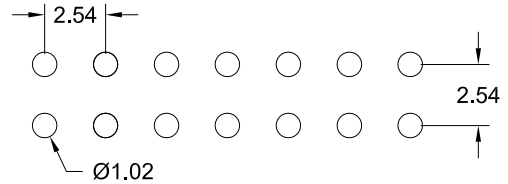
Plating
<b>55</b> = Gold
other platings on request



**Application and Features**

- **Standard: Tube packing**
- Hi-rel dual beam contact with "Pin Stop" assures reliable connections
- Accepts 0.64 mm square pins; Pin Header 2.54 mm x 2.54 mm
- 3.40 mm & 5.90 mm height above board
- Stand-off's facilitate post solder cleaning

**PCB Hole Layout**



**Specifications**

Current rating	3 A	Operating temperature	- 40°C to + 105°C
Insulation resistance	1000 MΩ min.	Contact material	(RoHS compliant) Phosphor Bronze
Contact resistance	20 mΩ max.	Insulator material	(RoHS compliant) PBT UL 94 V-0
Withstanding voltage	500 V AC		

**How to order**

BH x - xxx - R850 - 55

