AMPHENOL PCD



SFBC

High-current contacts

Ref. No: SFBC-1126

www.amphenolpcd.com.cn

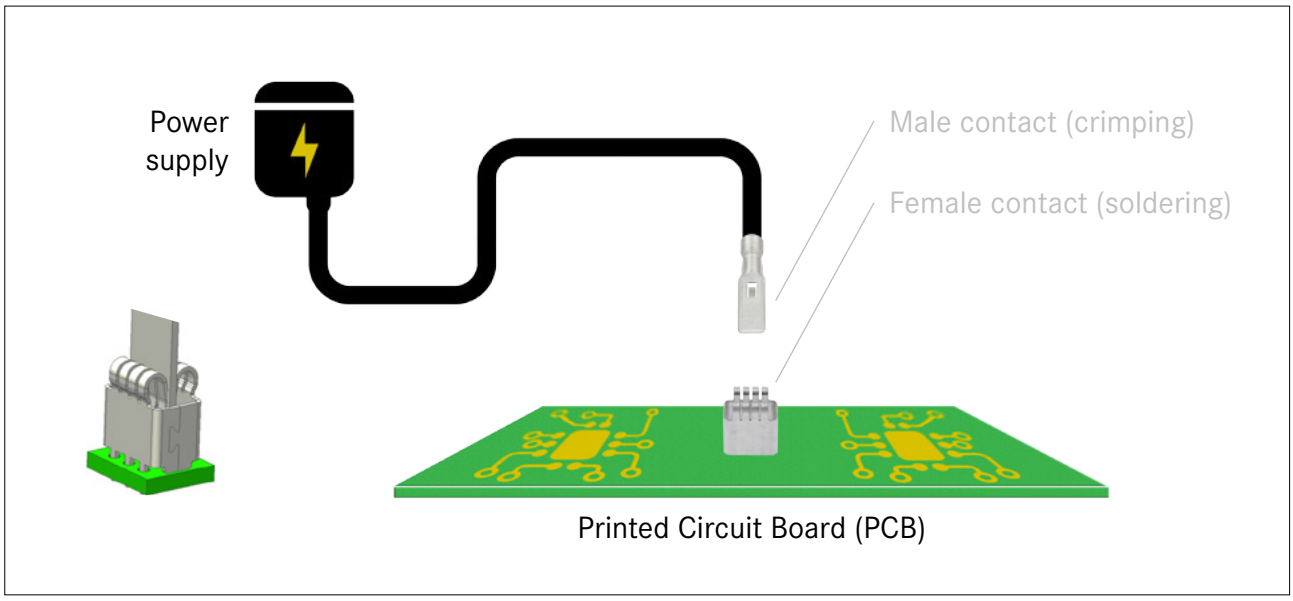
HIGHPOWER @AMPHENOL TRUSTED GLOBALLY

TABLE OF CONTENT

USE CASES 2
P01BS00377 6
P01BS00653 7
P01BS00195 8
P01BS00196 9
P01BS00192 10
P01BS00591 11
P01BS00335 12
P01BS00637 13
P01BS00191 14
P01BS00118 15
P01BS00378 16
P01BS00738 17
P01BS00197 18
P01BS00198 19
P01BS00201 20
P01BS00202 21

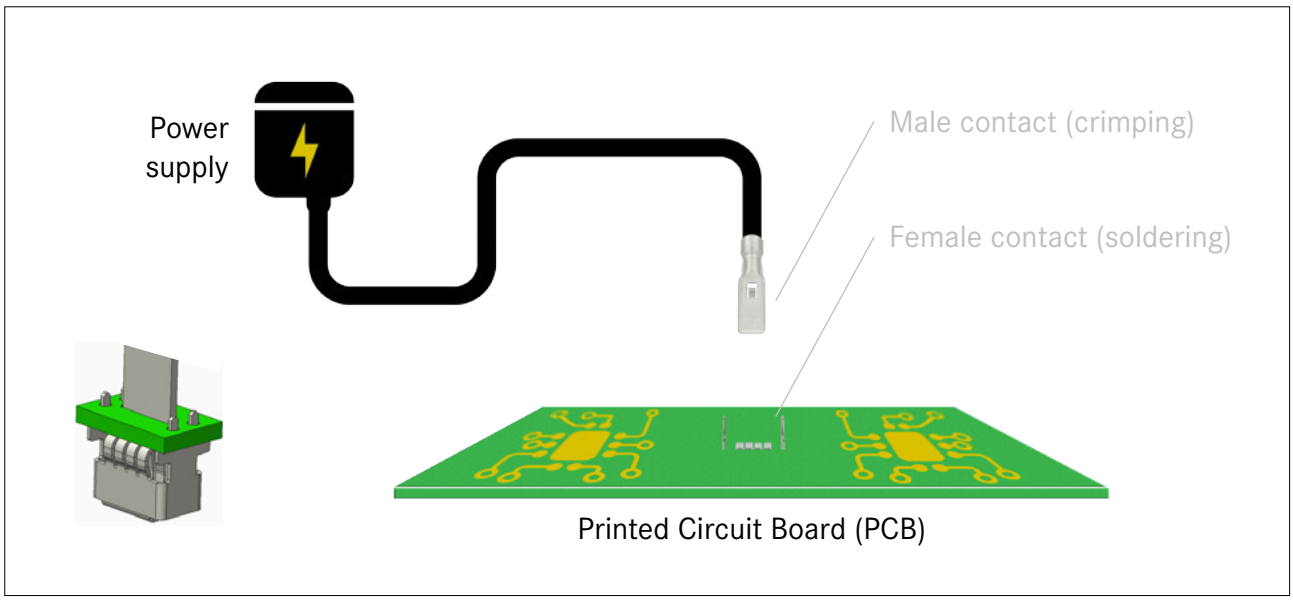
POWER-TO-BOARD





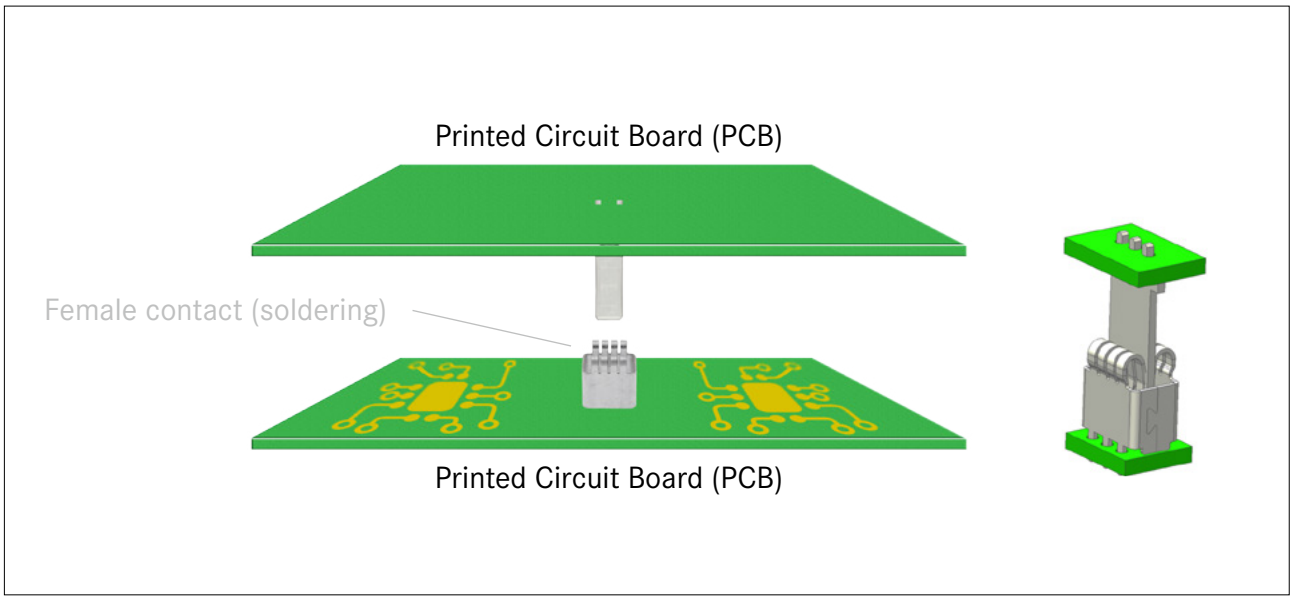
Female contact **above** PCB.





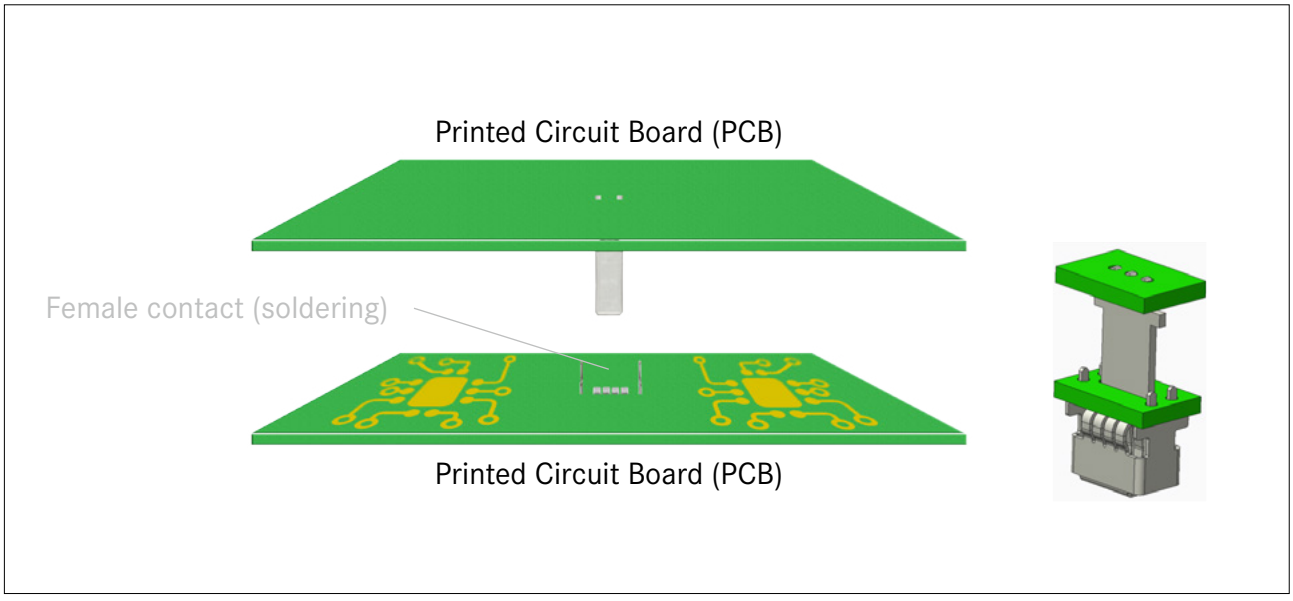
Female contact **under** PCB.





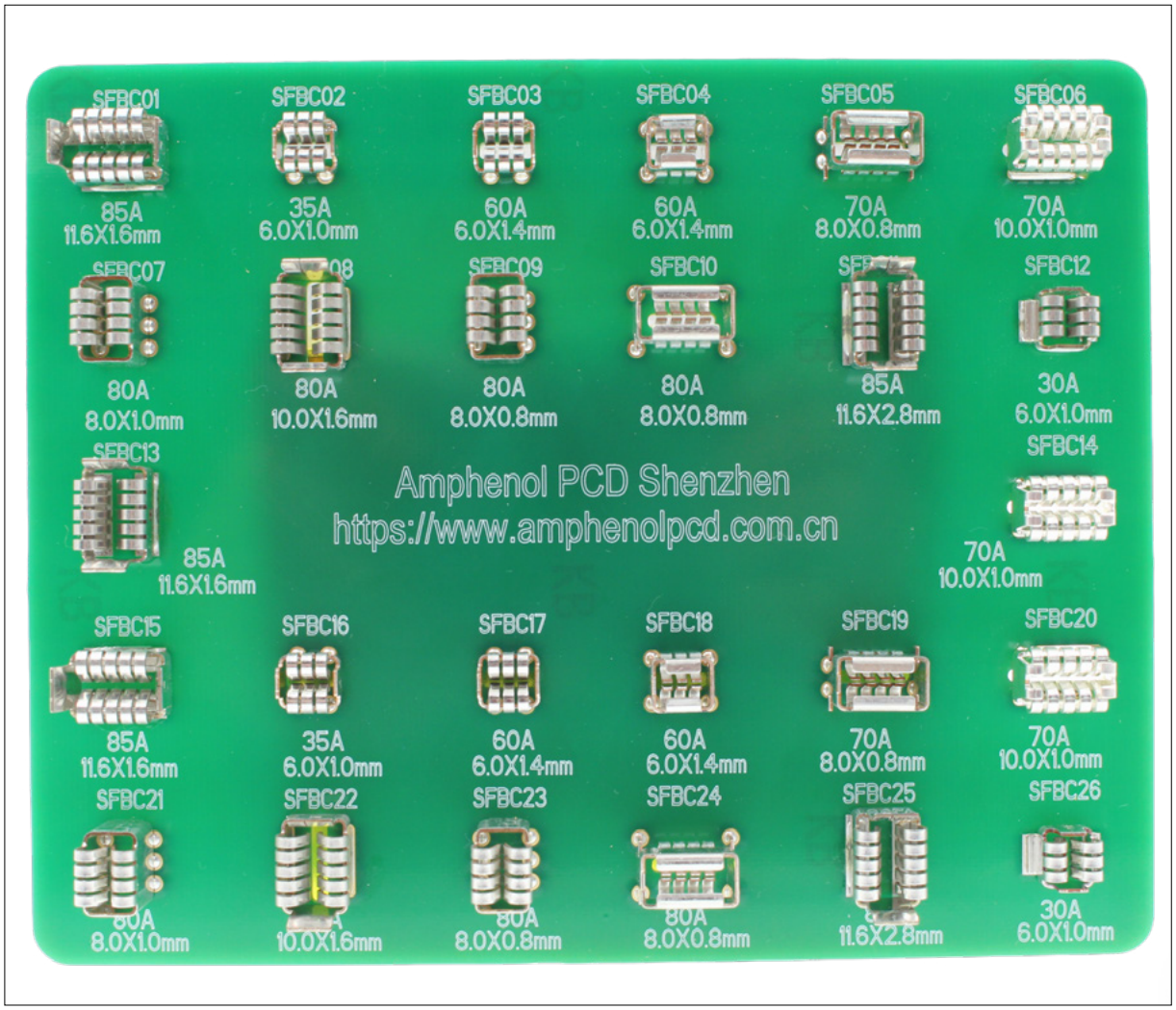
Female contact **above** PCB.

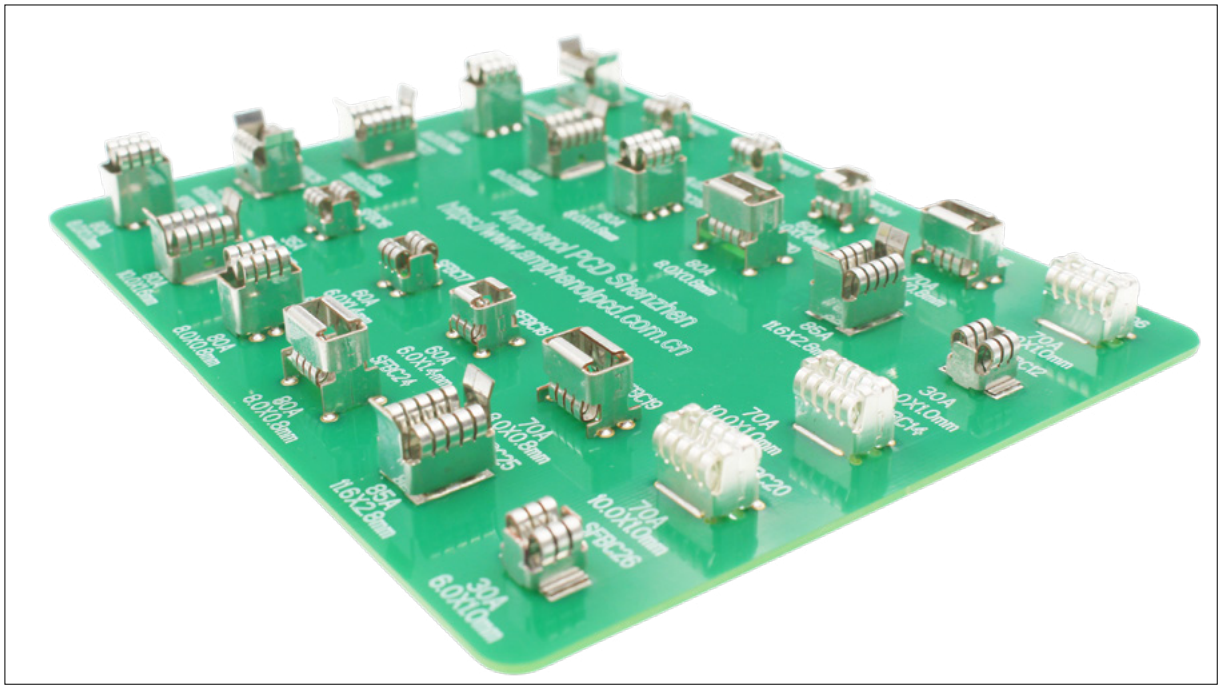


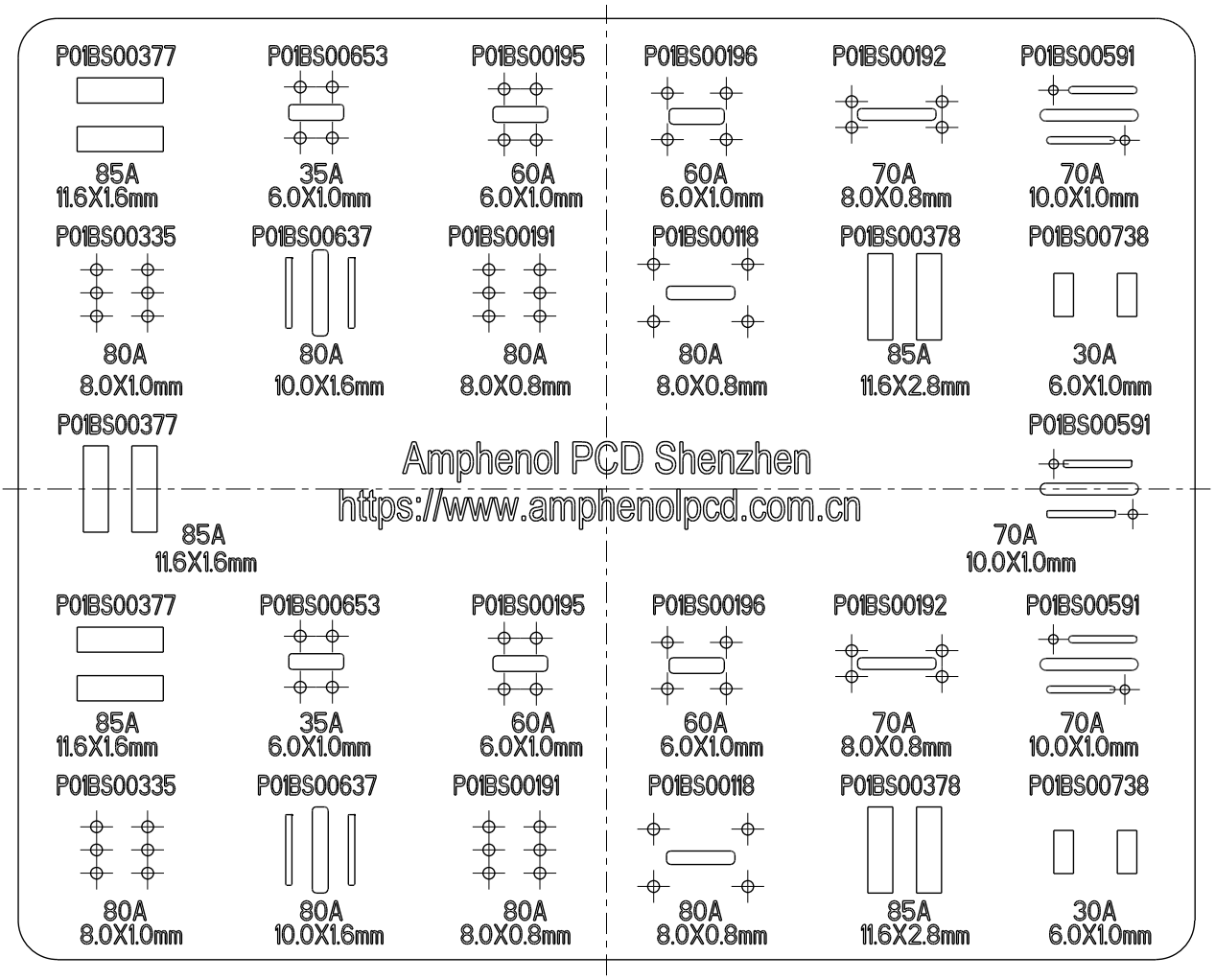


Female contact **under** PCB.

USE CASE


SFBC01
85A
11.6X1.6mm
SFBC02
35A
6.0X1.0mm
SFBC03
60A
6.0X1.4mm
SFBC04
60A
6.0X1.4mm
SFBC05
70A
8.0X0.8mm
SFBC06
70A
10.0X1.0mm
SFBC07
80A
8.0X1.0mm
80A
10.0X1.6mm
SFBC09
80A
8.0X0.8mm
SFBC10
80A
8.0X0.8mm
85A
11.6X2.8mm
SFBC12
30A
6.0X1.0mm
SFBC13
85A
11.6X1.6mm
Amphenol PCD Shenzhen
https://www.amphenolpcd.com.cn
SFBC14
70A
10.0X1.0mm
SFBC15
85A
11.6X1.6mm
SFBC16
35A
6.0X1.0mm
SFBC17
60A
6.0X1.4mm
SFBC18
60A
6.0X1.4mm
SFBC19
70A
8.0X0.8mm
SFBC20
70A
10.0X1.0mm
SFBC21
8.0X1.0mm
SFBC22
10.0X1.6mm
SFBC23
8.0X0.8mm
SFBC24
8.0X0.8mm
SFBC25
11.6X2.8mm
SFBC26
30A
6.0X1.0mm




P01BS00377
85A
11.6X1.6mm
P01BS00653
35A
6.0X1.0mm
P01BS00195
60A
6.0X1.0mm
P01BS00196
60A
6.0X1.0mm
P01BS00192
70A
8.0X0.8mm
P01BS00591
70A
10.0X1.0mm
P01BS00335
80A
8.0X1.0mm
P01BS00637
80A
10.0X1.6mm
P01BS00191
80A
8.0X0.8mm
P01BS00118
80A
8.0X0.8mm
P01BS00378
85A
11.6X2.8mm
P01BS00738
30A
6.0X1.0mm
P01BS00377
85A
11.6X1.6mm
Amphenol PCD Shenzhen
https://www.amphenolpcd.com.cn
P01BS00591
70A
10.0X1.0mm
P01BS00377
85A
11.6X1.6mm
P01BS00653
35A
6.0X1.0mm
P01BS00195
60A
6.0X1.0mm
P01BS00196
60A
6.0X1.0mm
P01BS00192
70A
8.0X0.8mm
P01BS00591
70A
10.0X1.0mm
P01BS00335
80A
8.0X1.0mm
P01BS00637
80A
10.0X1.6mm
P01BS00191
80A
8.0X0.8mm
P01BS00118
80A
8.0X0.8mm
P01BS00378
85A
11.6X2.8mm
P01BS00738
30A
6.0X1.0mm

P01BS00377



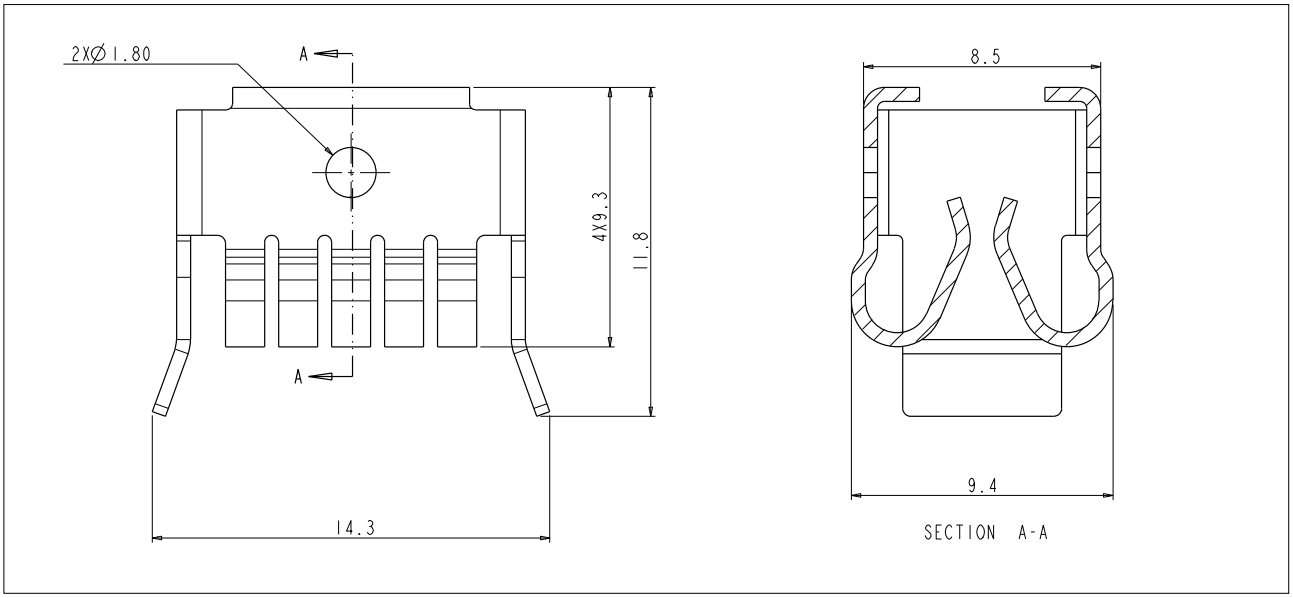


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	1.6 x 11.6mm
Connection type	Soldering

ELCTRICAL	
Rated current	85A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K

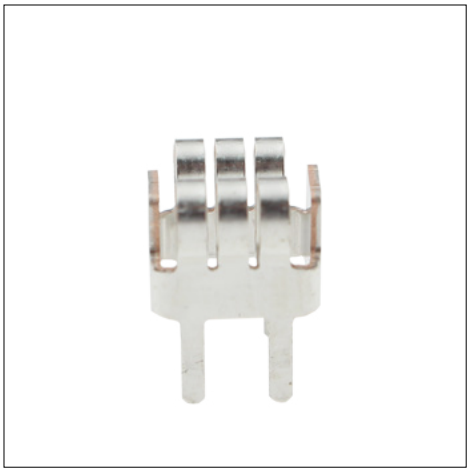
ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Tin



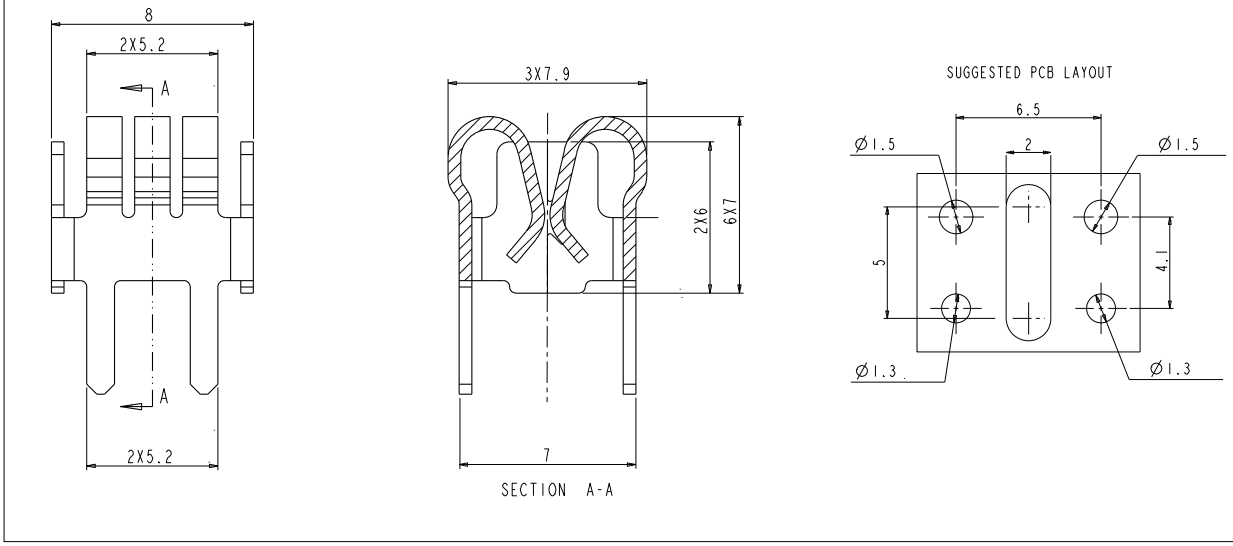
MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Recommended Tab	Width: 6 ± 0.1mm Thickness: 0 ± 0.5mm
Connection type	Soldering
ELCTRICAL	
Rated current	35A Max.
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K



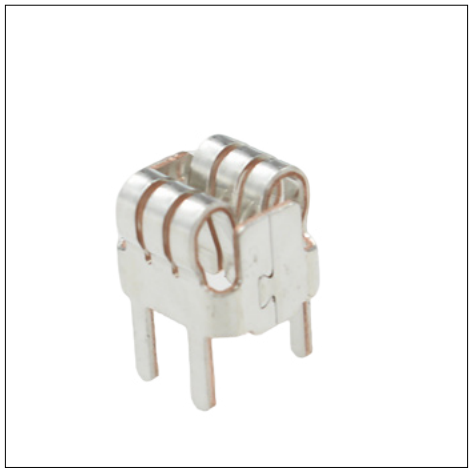


ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Tin



P01BS00195



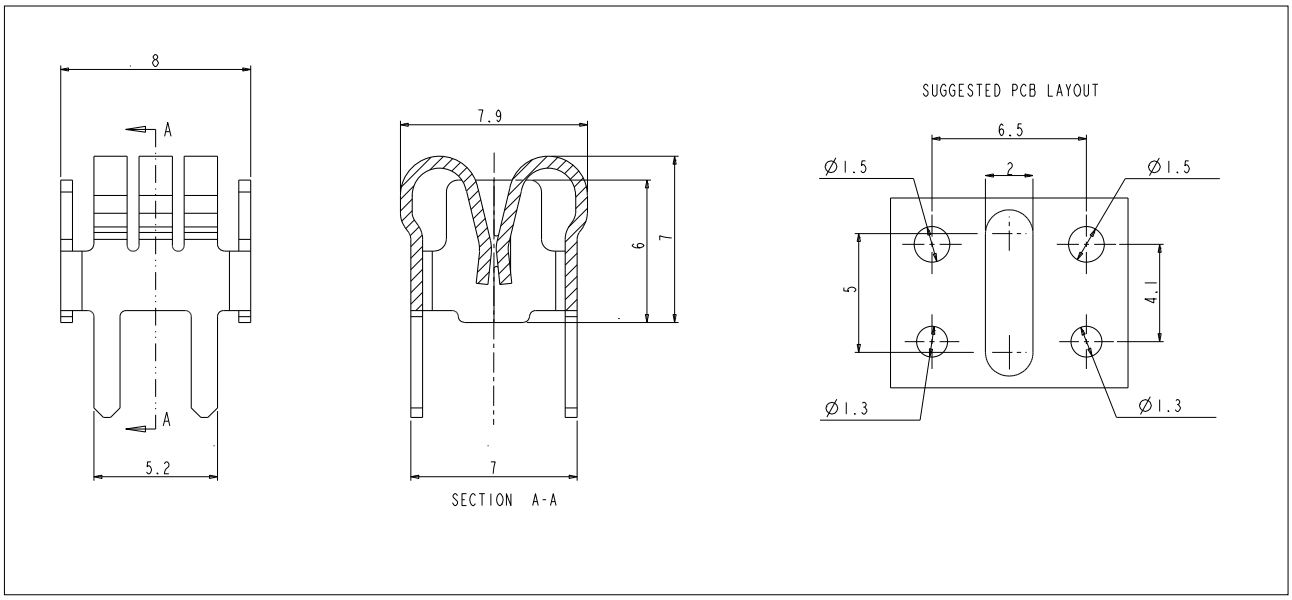


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Recommended Tab	Width: 6 ± 0.1mm Thickness: 0 ± 0.5mm
Connection type	Soldering

ELCTRICAL	
Rated current	60A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K

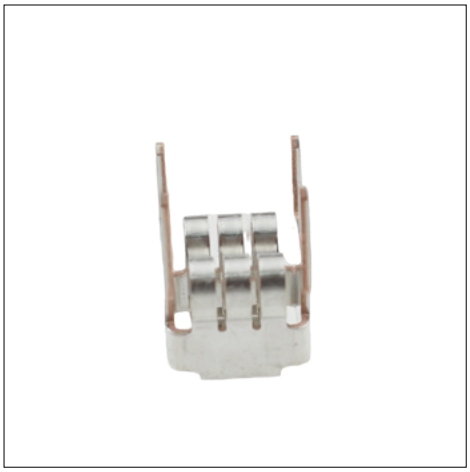
ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Tin



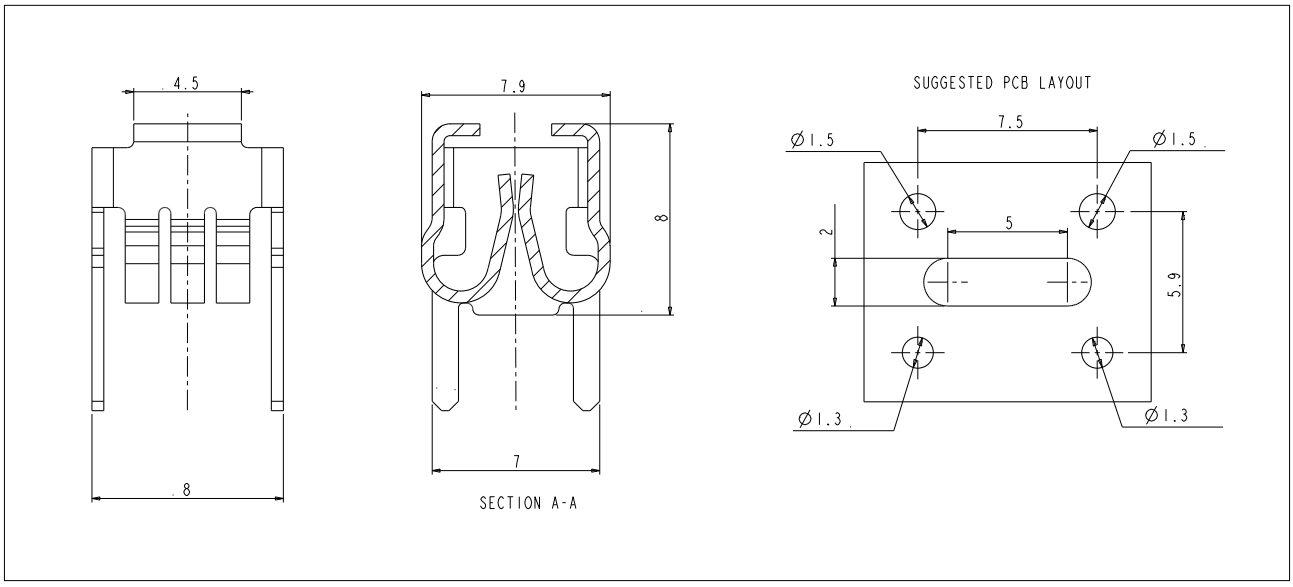
MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Recommended Tab	Width: 6 ± 0.1mm Thickness: 0 ± 0.5mm
Connection type	Soldering
ELCTRICAL	
Rated current	60A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K



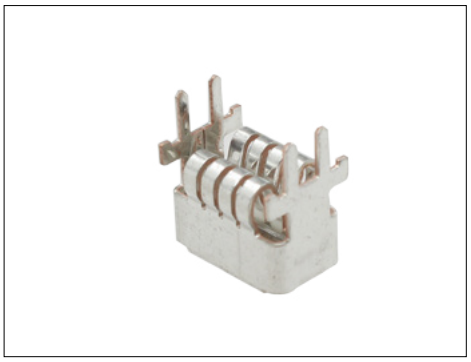


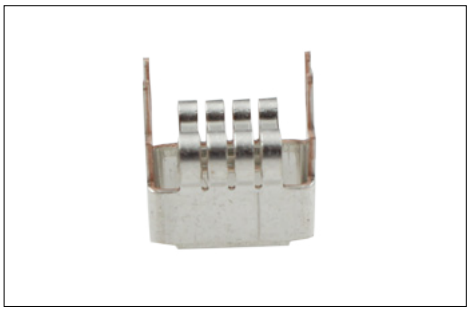
ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

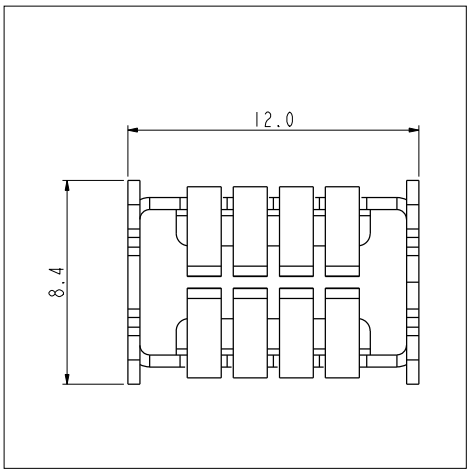
MATERIAL	
Contact	Copper alloy
Plating	Tin



P01BS00192





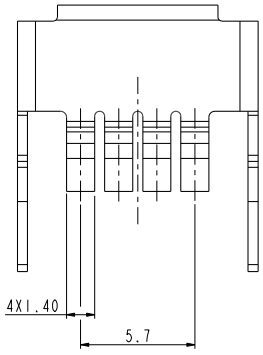


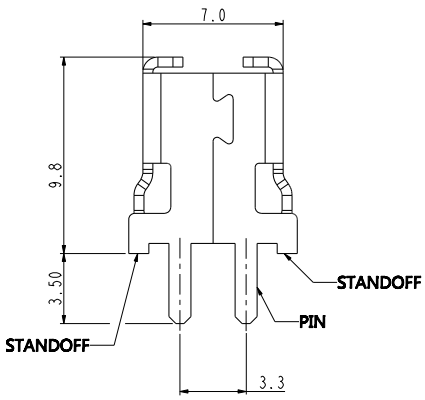
MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	8.0 x 1.0mm
Connection type	Soldering

ELCTRICAL	
Rated current	70A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K

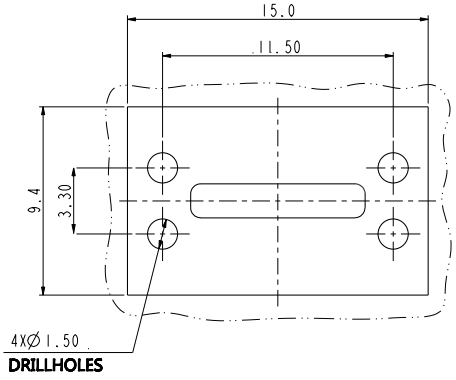
ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Tin





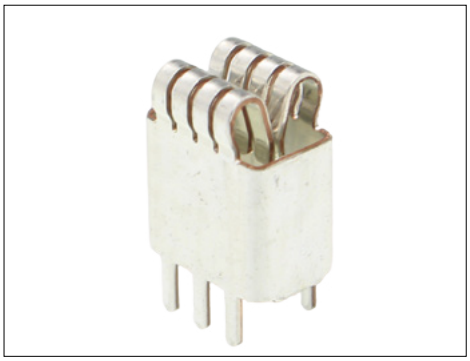
SUGGESTED PCB LAYOUT

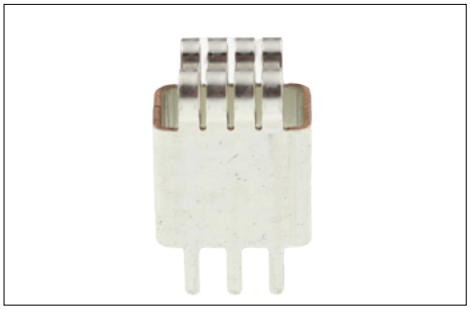


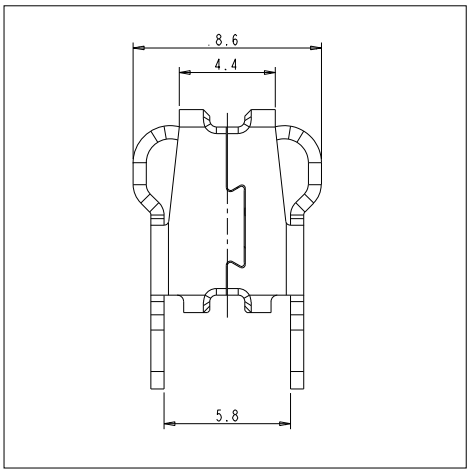
MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Recommended Tab	Width: 10 ± 0.1mm Thickness: 1 ± 0.5mm
Connection type	Soldering
ELCTRICAL	
Rated current	70A Max.
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 35K

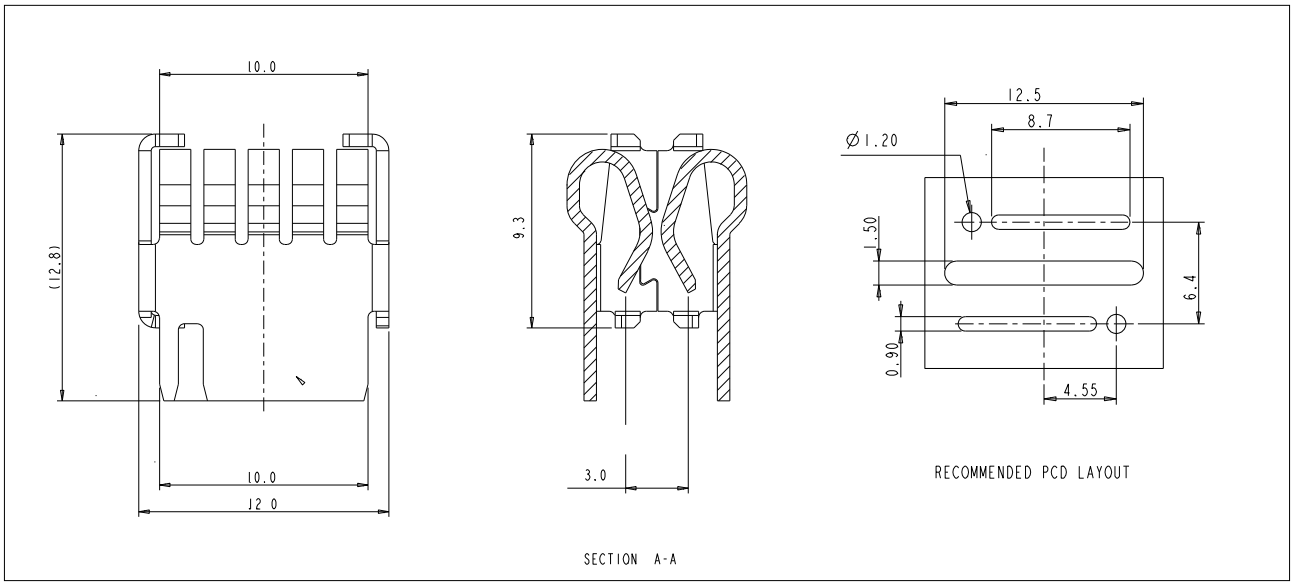
ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Silver

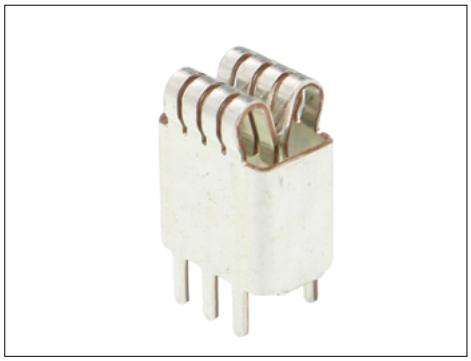


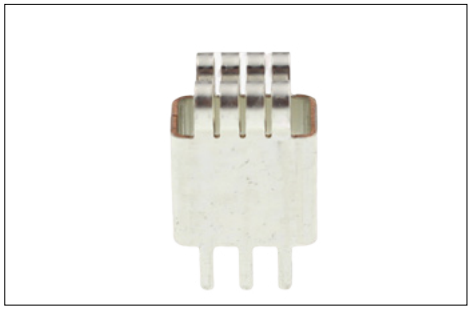


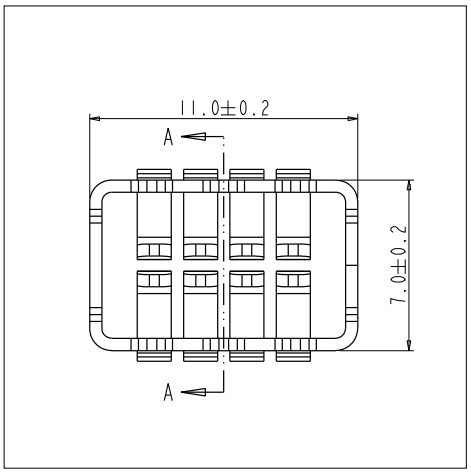




P01BS00335





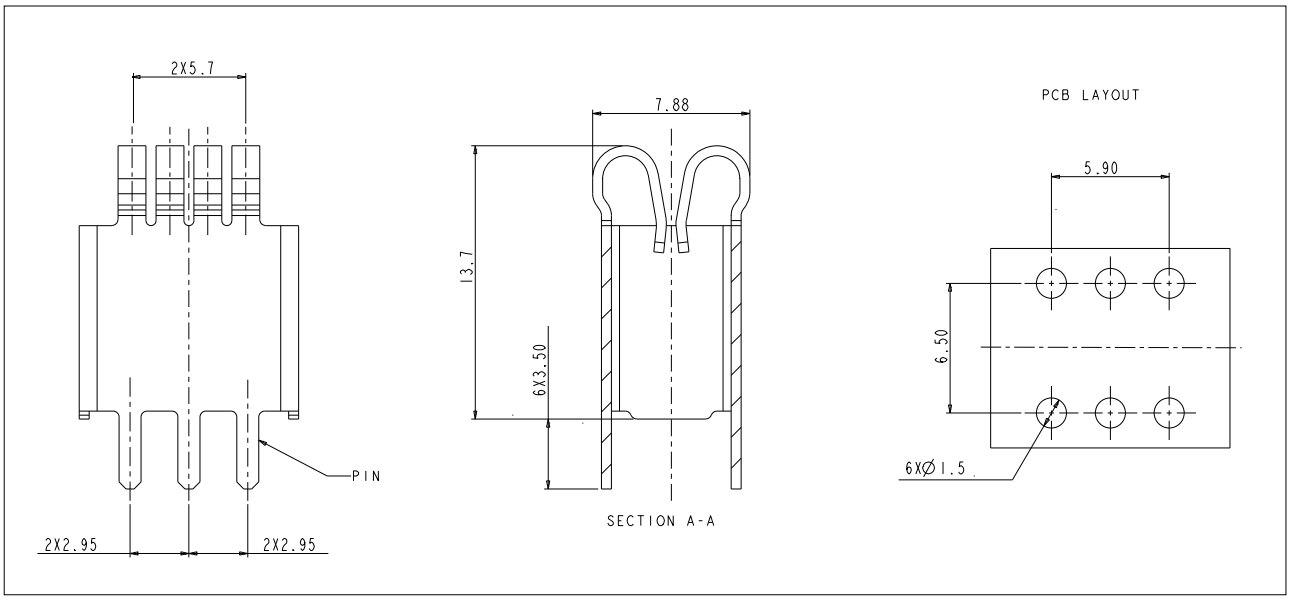


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	8.0 x 1.0mm
Connection type	Soldering

ELCTRICAL	
Rated current	80A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K

ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Tin



MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	1.6 x 10 mm
Connection type	Soldering

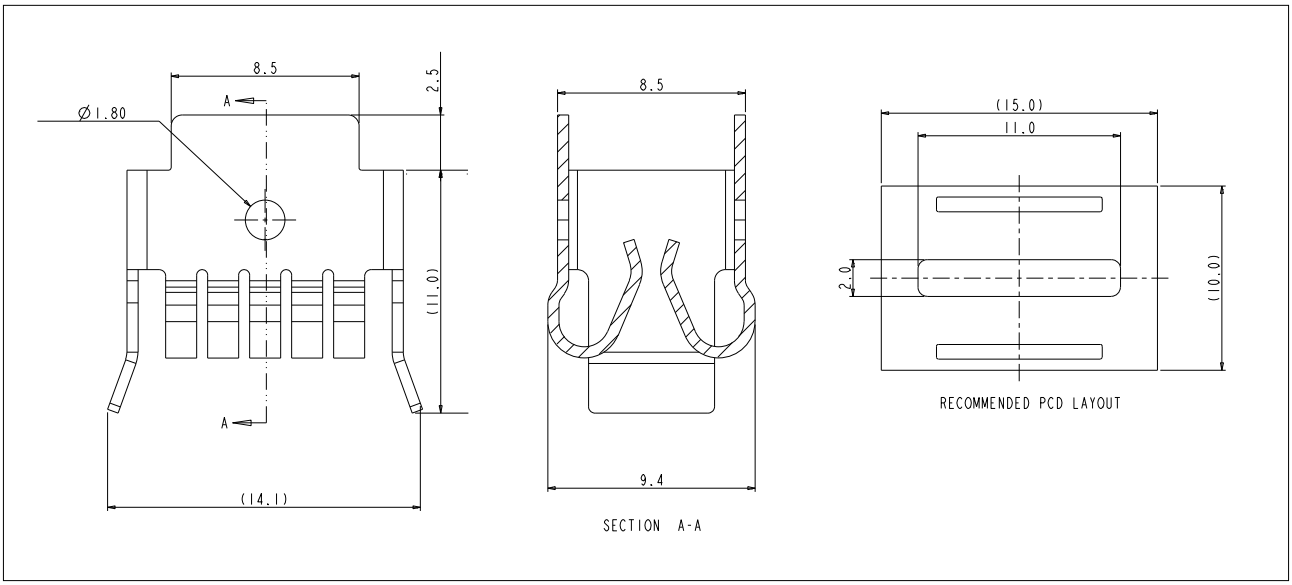


ELCTRICAL	
Rated current	80A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 35K

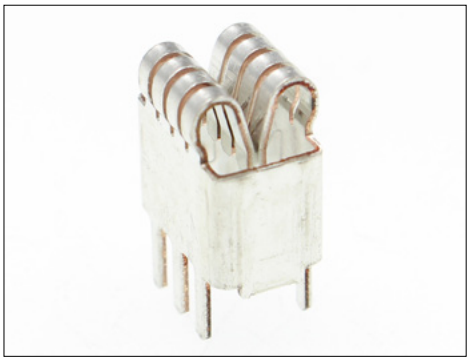


ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

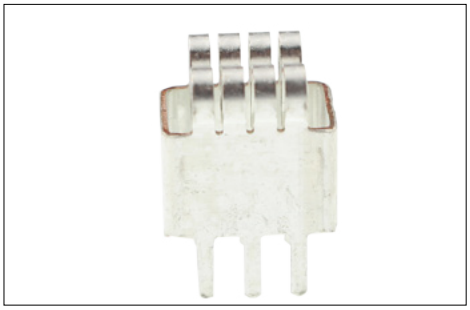
MATERIAL	
Contact	Copper alloy
Plating	Tin



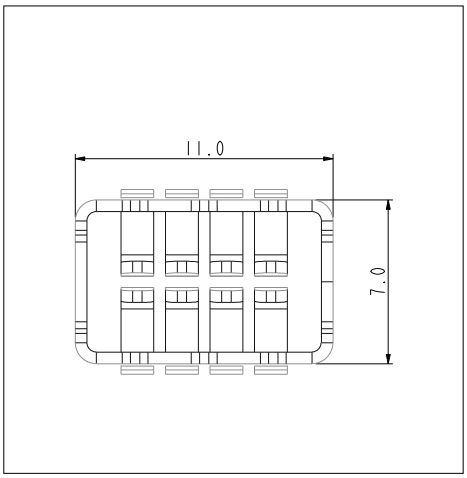
P01BS00191



MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	8.0 x 1.0mm
Connection type	Soldering

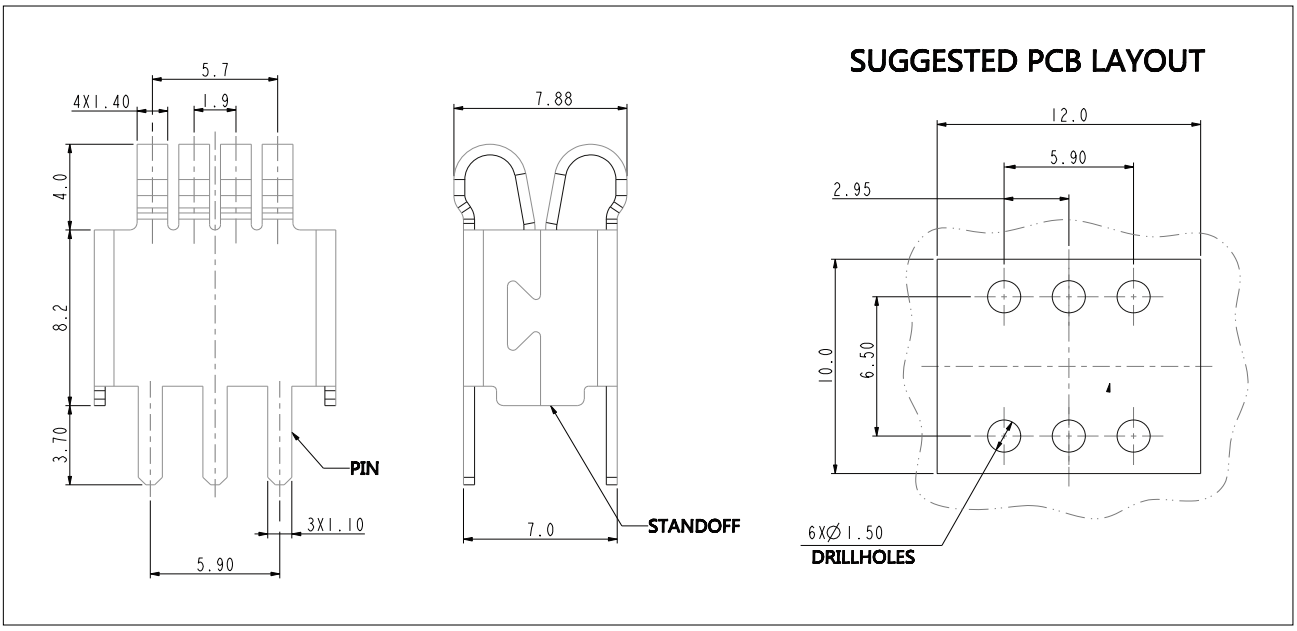


ELCTRICAL	
Rated current	80A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K

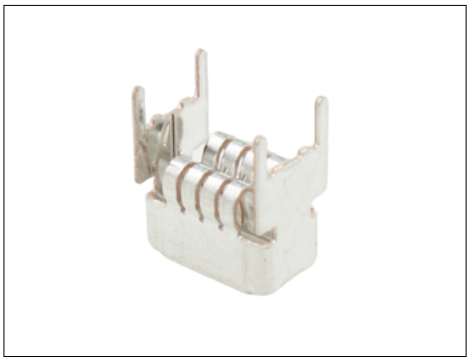


ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

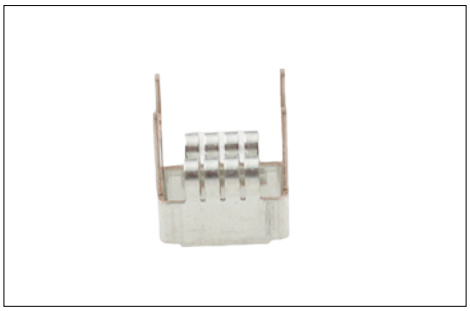
MATERIAL	
Contact	Copper alloy
Plating	Tin



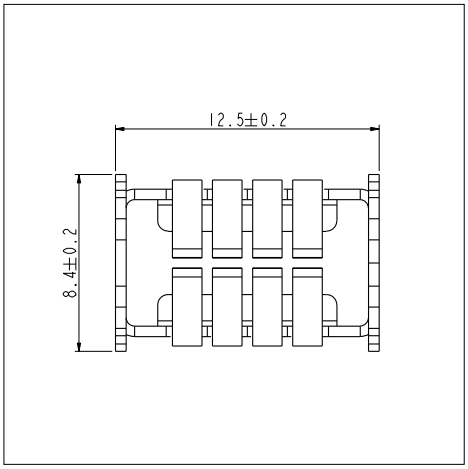
MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	8.0 x 0.8 mm
Connection type	Soldering



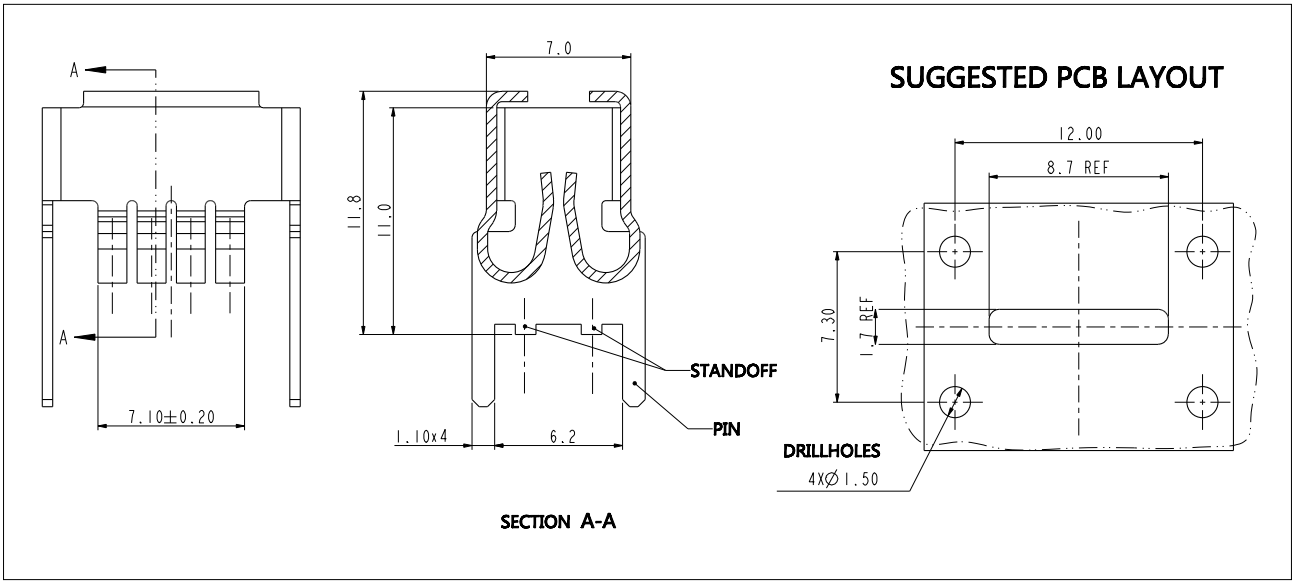
ELCTRICAL	
Rated current	80A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 35K



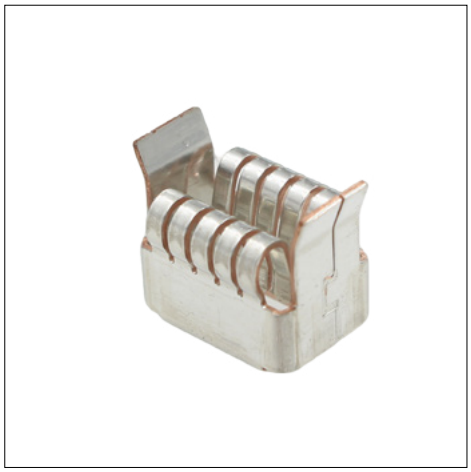
ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

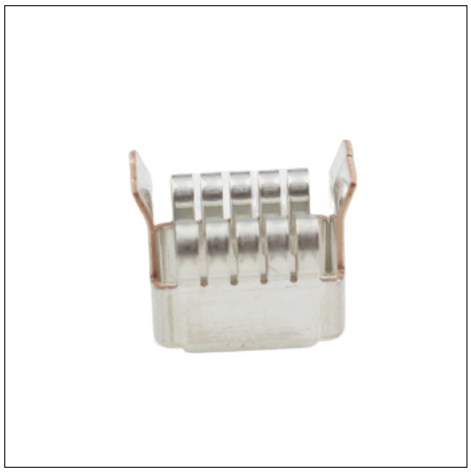


MATERIAL	
Contact	Copper alloy
Plating	Tin



P01BS00378



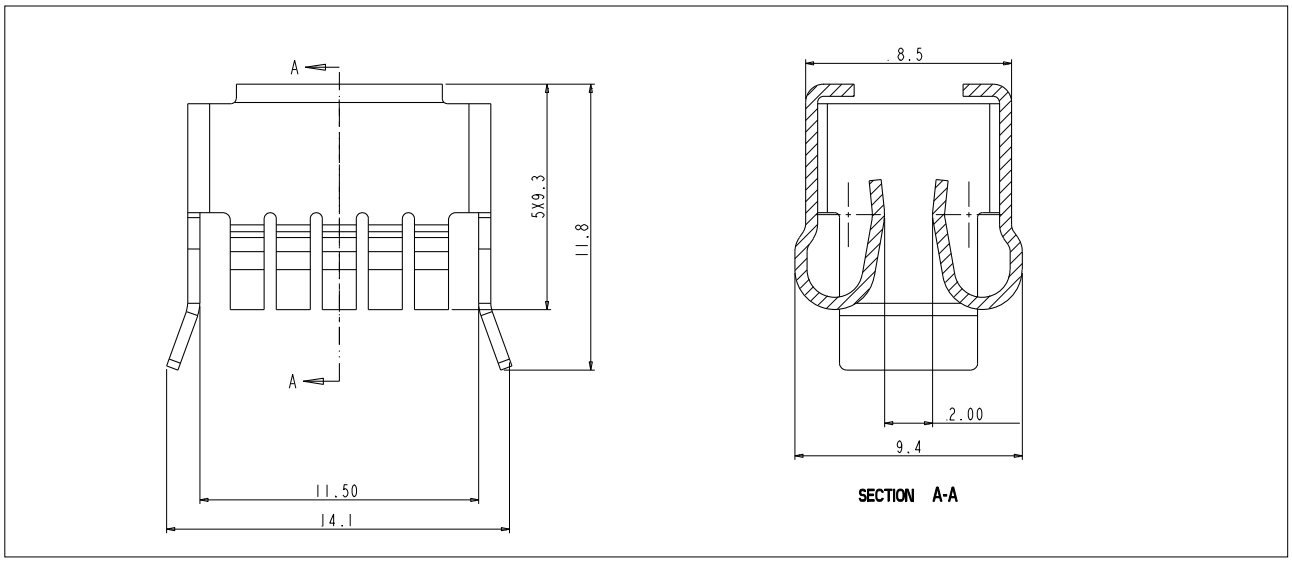


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	2.8 x 11.6mm
Connection type	Soldering

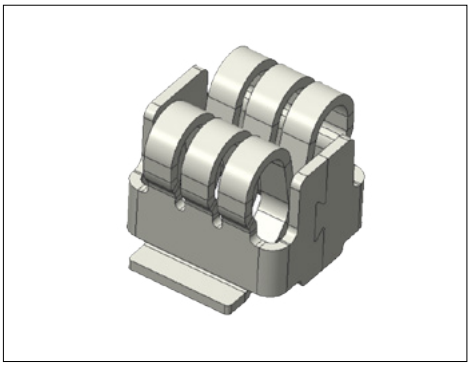
ELCTRICAL	
Rated current	85A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K

ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

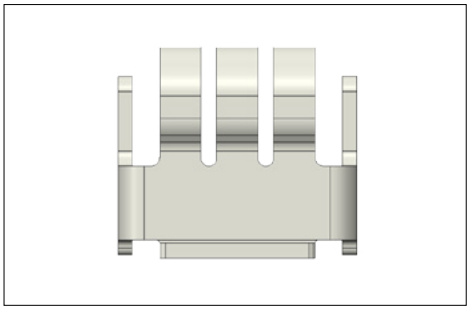
MATERIAL	
Contact	Copper alloy
Plating	Tin



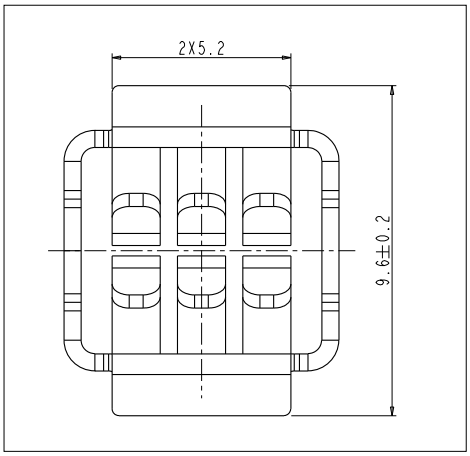
MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	8.0 x 0.8 mm
Connection type	Soldering



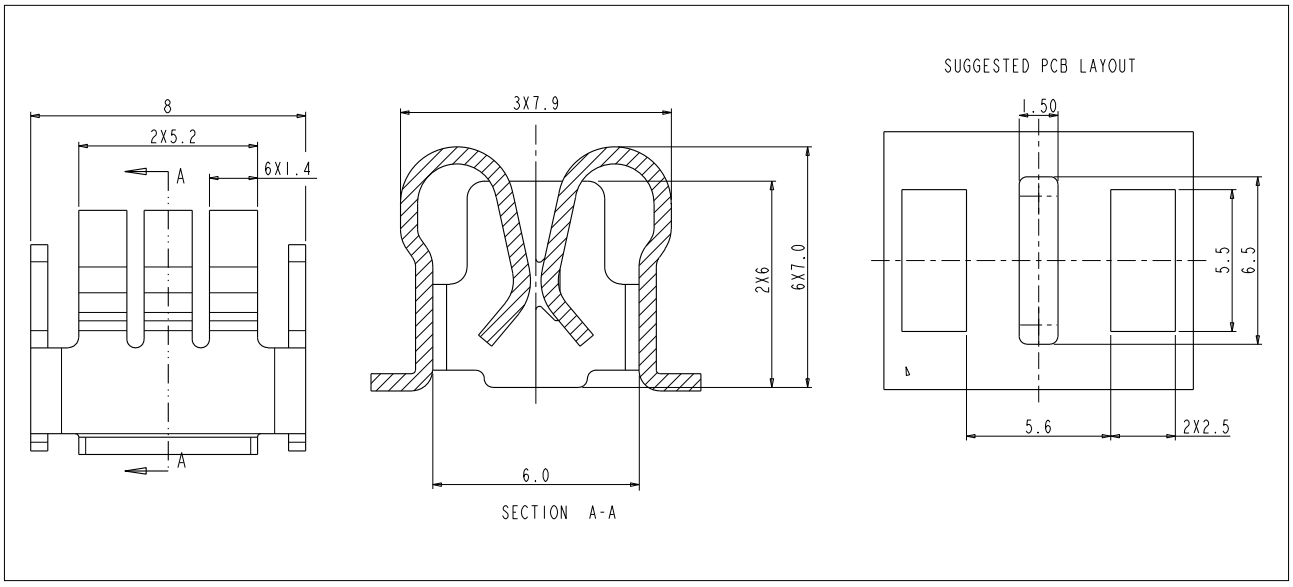
ELCTRICAL	
Rated current	80A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 35K



ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes



MATERIAL	
Contact	Copper alloy
Plating	Tin



P01BS00197

MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Matching male contact	8.0 x 0.8mm
Connection type	Soldering

ELCTRICAL	
Rated current	80A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K

ENVIRONMENTAL	
Operating temperature	-40°C to 125°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Tin



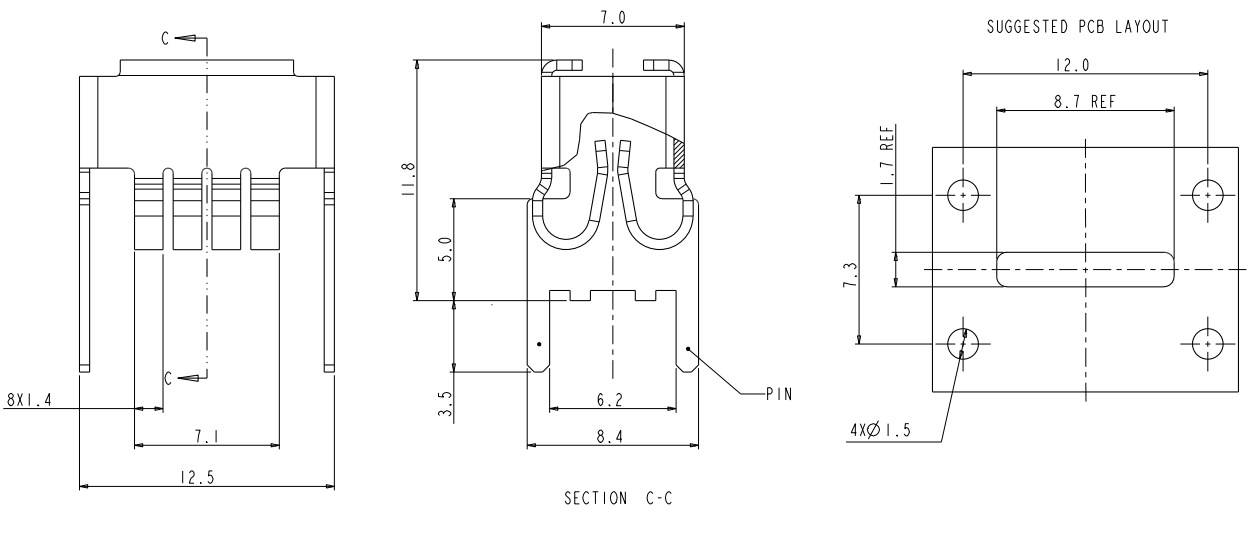
Bulk purchase: **200** units per pack







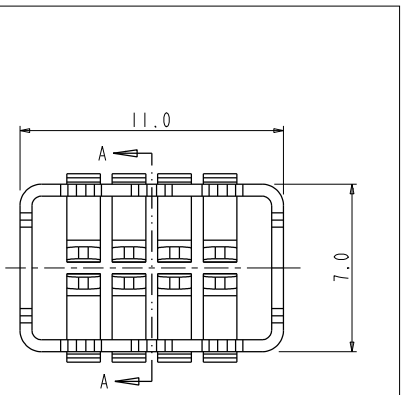






Bulk purchase: **180** units per pack



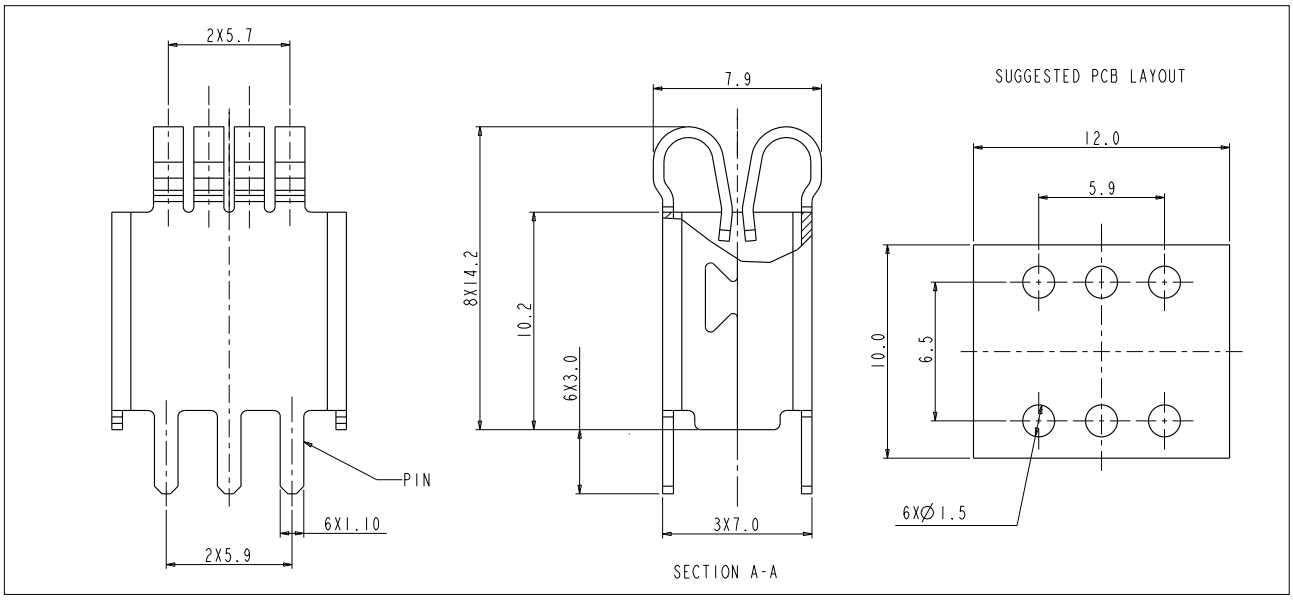


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Matching male contact	8.0 x 0.8mm
Connection type	Soldering

ELCTRICAL	
Rated current	80A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K

ENVIRONMENTAL	
Operating temperature	-40°C to 125°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Tin



P01BS00201

MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Connection type	Crimping

ELCTRICAL	
Rated current	40A ($10mm^2$)
Temperature rise	≤ 55K

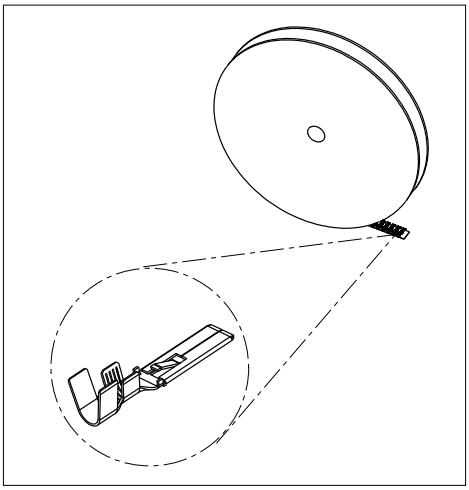
ENVIRONMENTAL	
Operating temperature	-40°C to 125°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

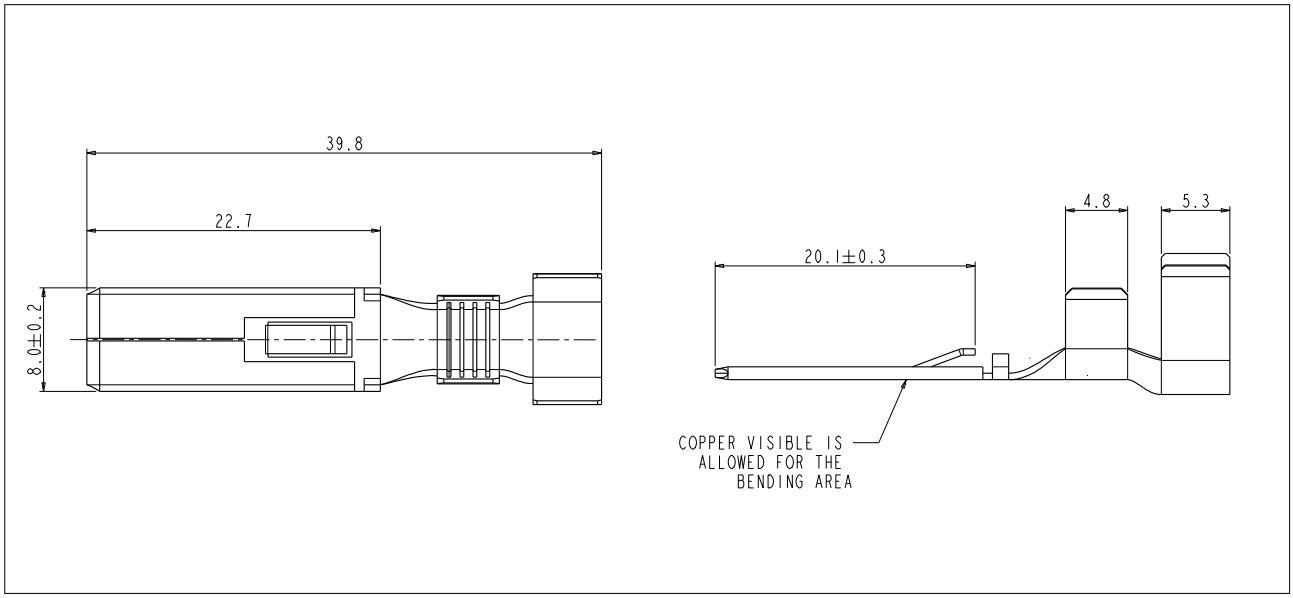
MATERIAL	
Contact	Copper alloy
Plating	Tin



Bulk purchase: **500** units per pack



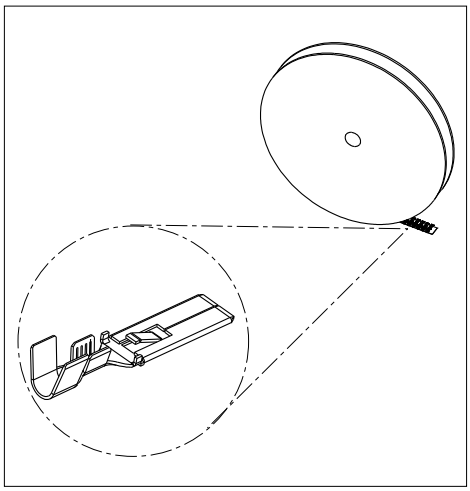






Bulk purchase: **500** units per pack



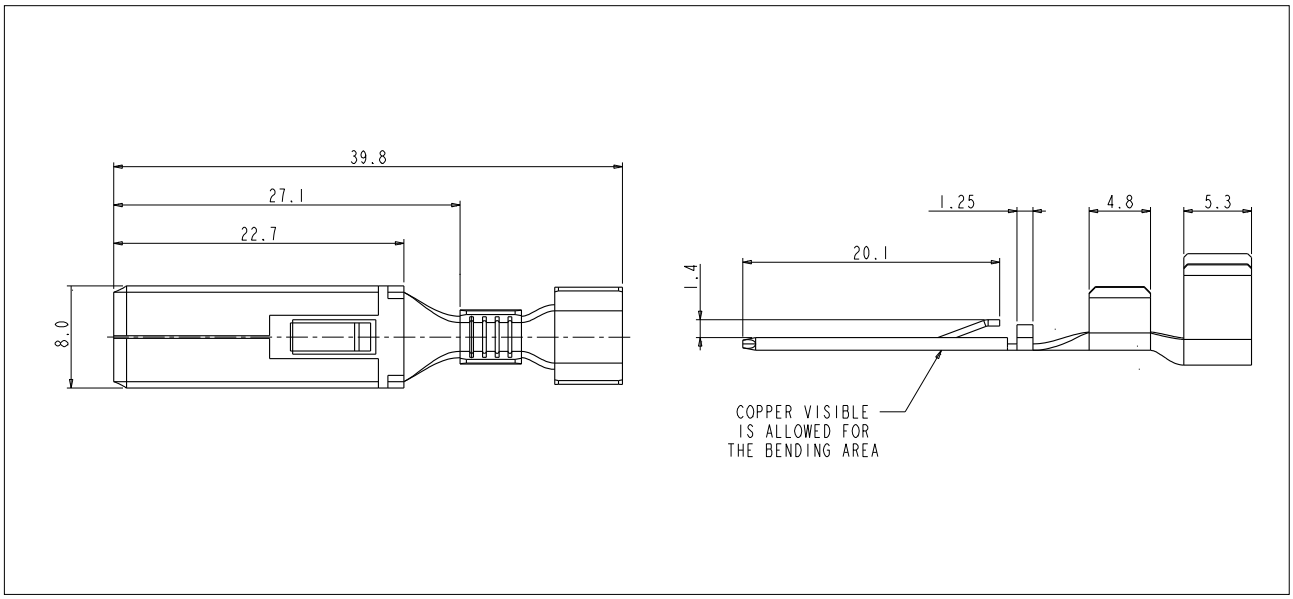


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Connection type	Crimping

ELCTRICAL	
Rated current	30A (4mm^2)
Temperature rise	≤ 55K

ENVIRONMENTAL	
Operating temperature	-40°C to 125°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Tin



Amphenol PCD Shenzhen

Building C
Dagang Industrial Zone
Guangming District
Shenzhen 518132
China

Tel.: +86 755-8173-8000
Email: inquiry@amphenolpcd.com.cn

www.amphenolpcd.com.cn

Notes:

Amphenol PCD Shenzhen has made every effort to ensure that the information contained in this catalog is accurate at the time of publication. Specifications or information stated in this publication are subject to change without notice.

Amphenol PCD Shenzhen reserves the right to clarify this catalog.