



AMPHENOL PCD



SFBC

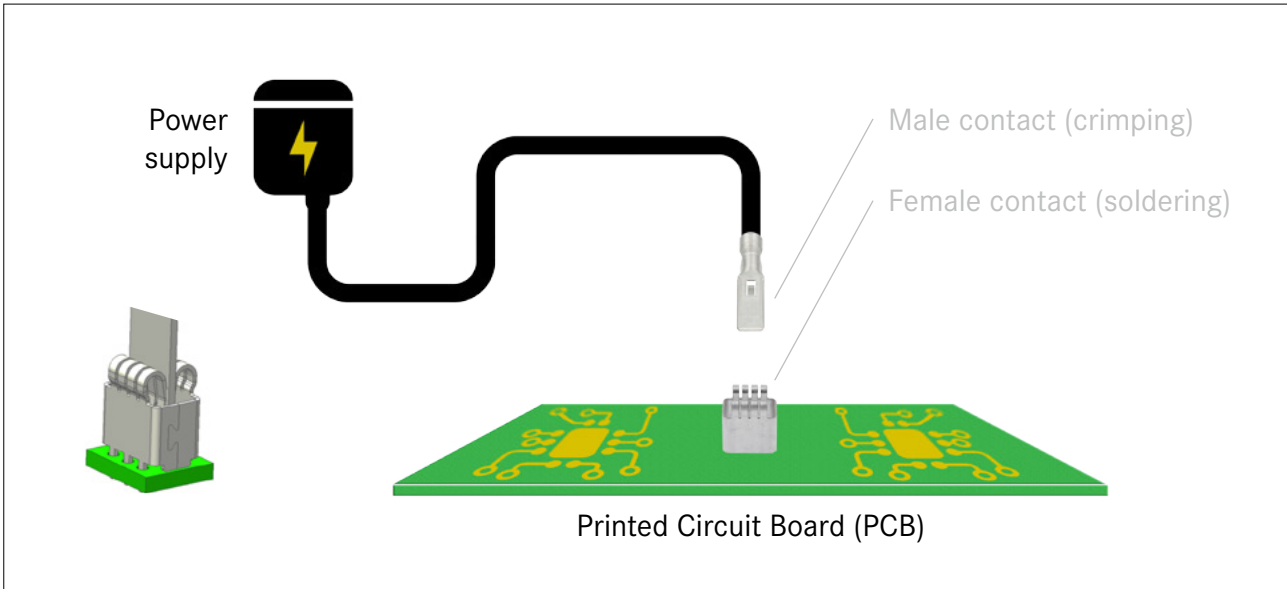
HIGH-CURRENT CONTACTS

Ref. No: SFBC-0626

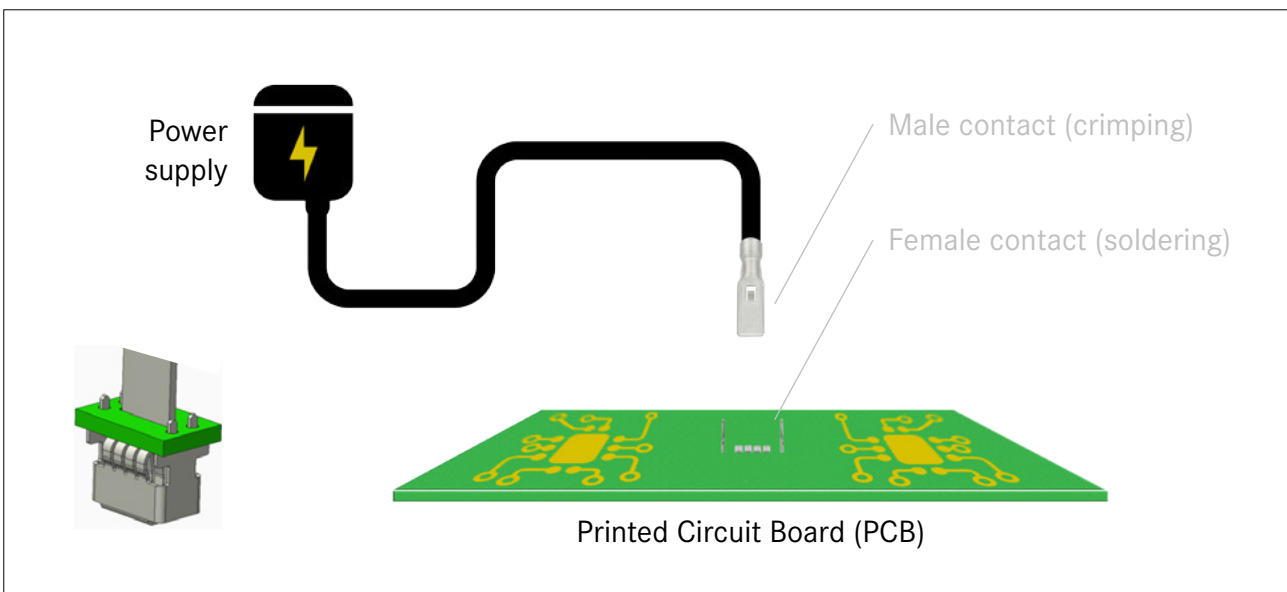
www.amphenolpcd.com.cn

HIGHPOWER @ AMPHENOL
TRUSTED GLOBALLY

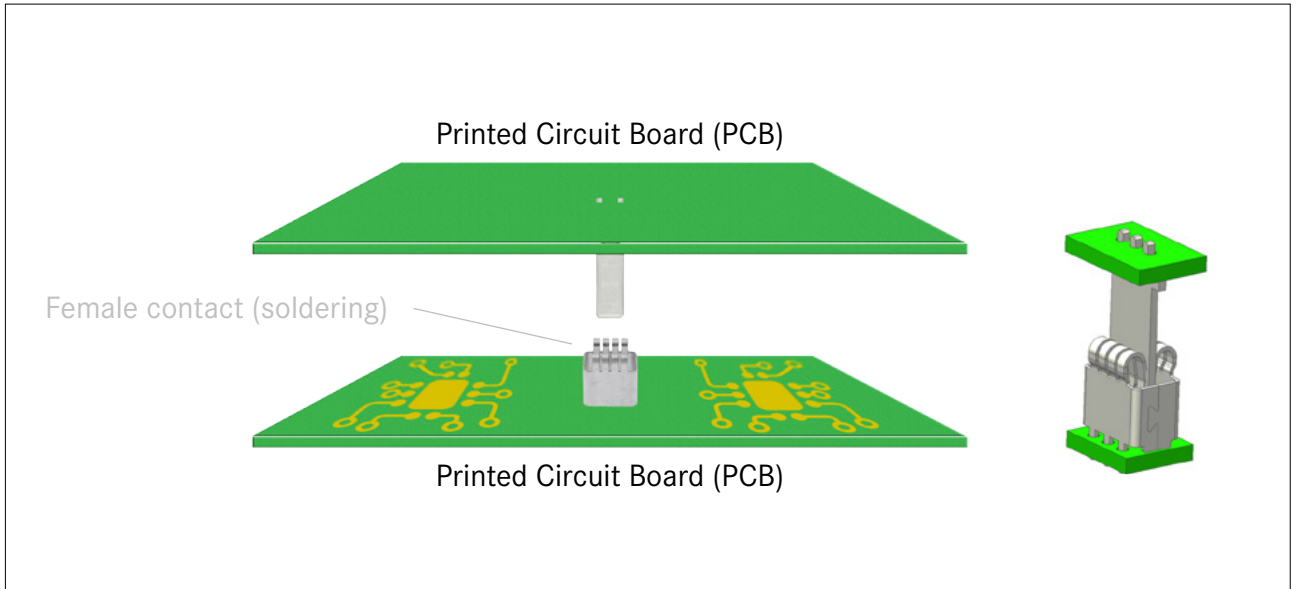
USE CASES	2
P01BS00377	6
P01BS00653	7
P01BS00113	8
P01BS00114	9
P01BS00041	10
P01BS00591	11
P01BS00335	12
P01BS00637	13
P01BS00040	14
P01BS00118	15
P01BS00378	16
P01BS00738	17
P01BS00197	18
P01BS00198	19
P01BS00201	20
P01BS00202	21



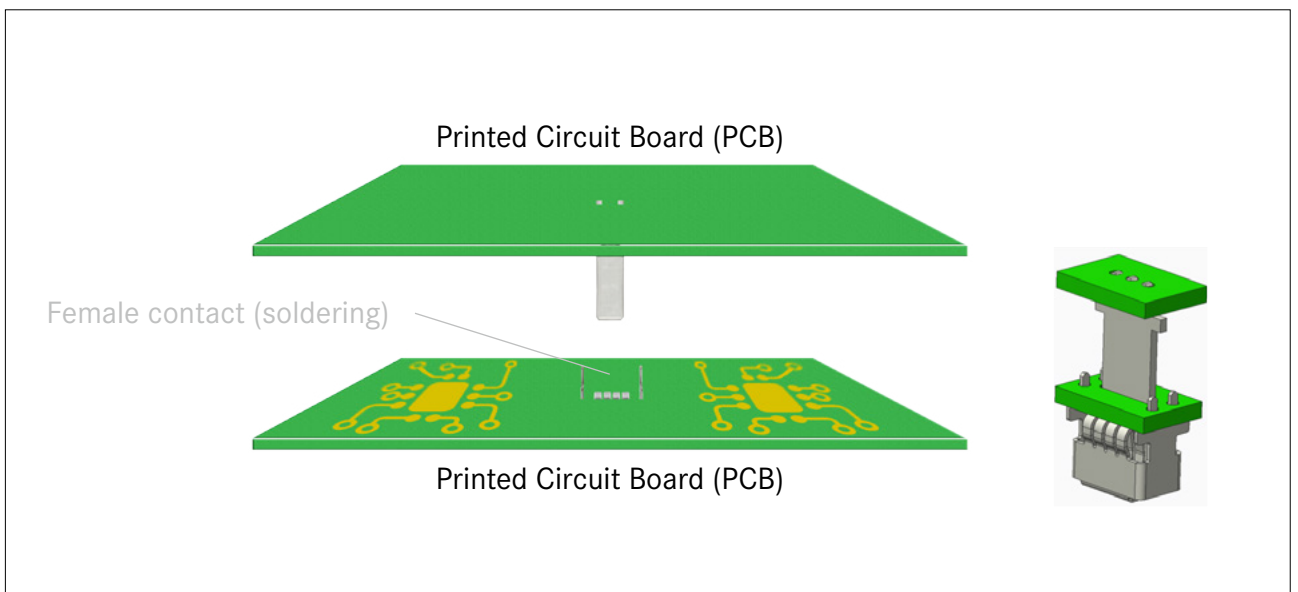
Female contact **above** PCB.



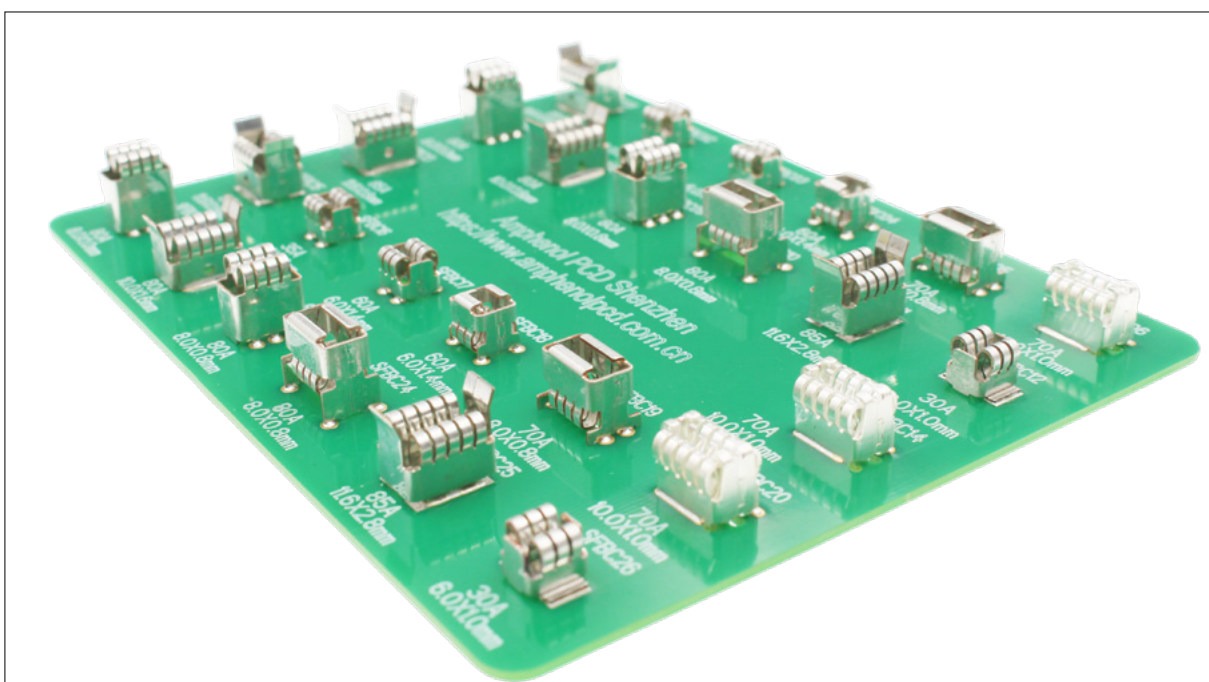
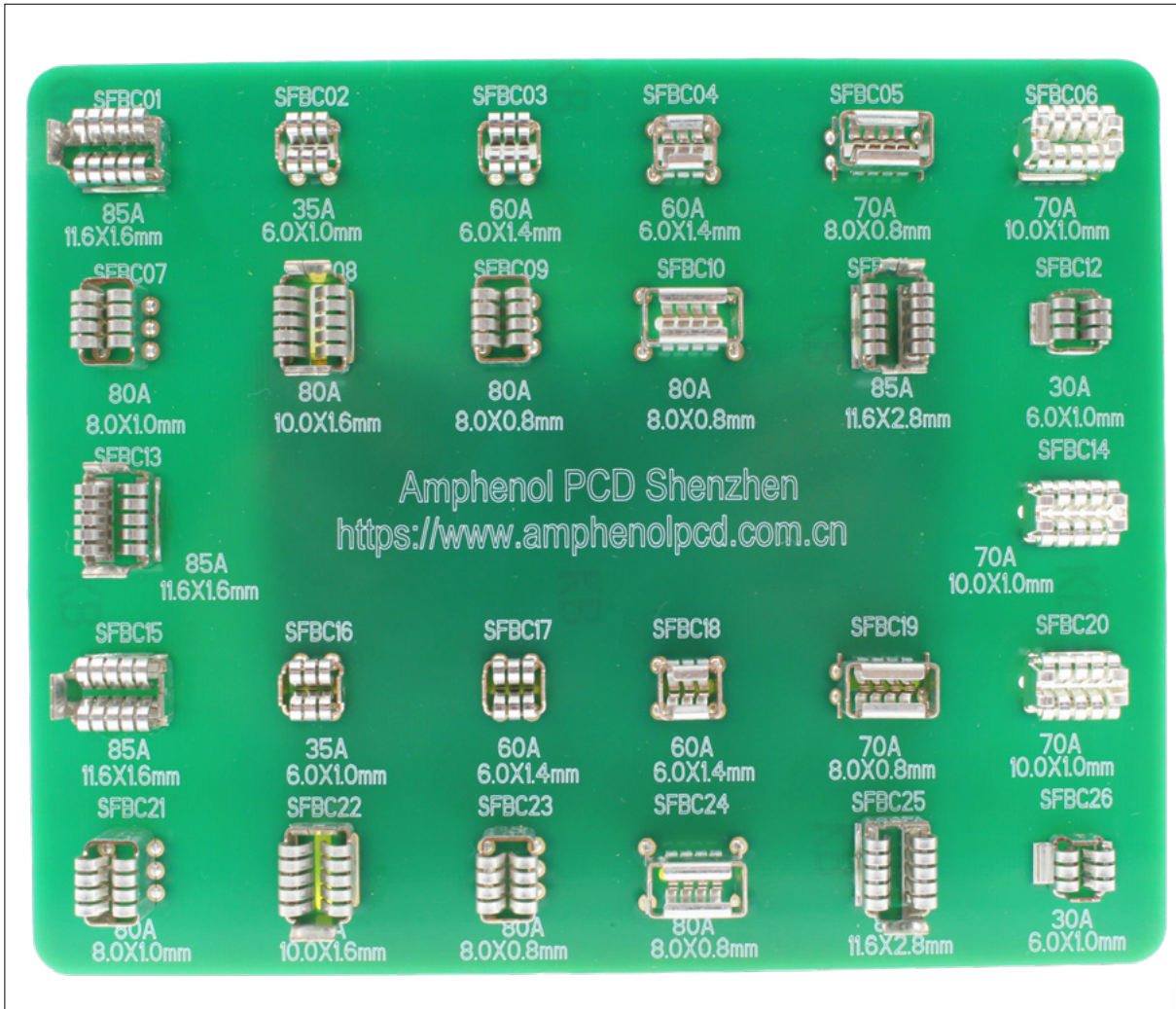
Female contact **under** PCB.

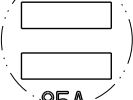
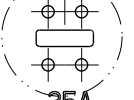
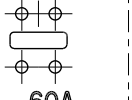

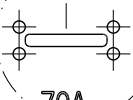
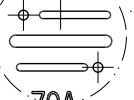
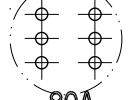

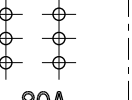
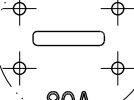

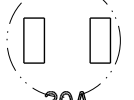
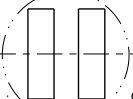
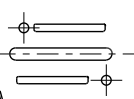
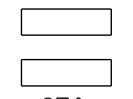
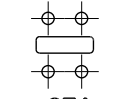
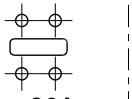
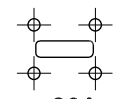
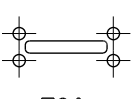
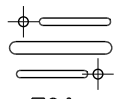
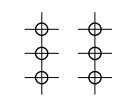
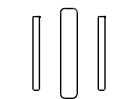
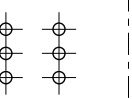
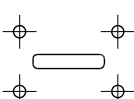
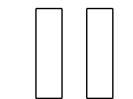
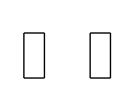


Female contact **above** PCB.



Female contact **under** PCB.



<p>P01BS00377</p>  <p>85A 11.6X1.6mm</p>	<p>P01BS00653</p>  <p>35A 6.0X1.0mm</p>	<p>P01BS00113</p>  <p>60A 6.0X1.0mm</p>	<p>P01BS00114</p>  <p>60A 6.0X1.0mm</p>	<p>P01BS00041</p>  <p>70A 8.0X0.8mm</p>	<p>P01BS00591</p>  <p>70A 10.0X1.0mm</p>
<p>P01BS00335</p>  <p>80A 8.0X1.0mm</p>	<p>P01BS00637</p>  <p>80A 10.0X1.6mm</p>	<p>P01BS00040</p>  <p>80A 8.0X0.8mm</p>	<p>P01BS00118</p>  <p>80A 8.0X0.8mm</p>	<p>P01BS00378</p>  <p>85A 11.6X2.8mm</p>	<p>P01BS00738</p>  <p>30A 6.0X1.0mm</p>
<p>P01BS00377</p>  <p>85A 11.6X1.6mm</p>	<p>Amphenol PCD Shenzhen</p> <p>https://www.amphenolpcd.com.cn</p>				<p>P01BS00591</p>  <p>70A 10.0X1.0mm</p>
<p>P01BS00377</p>  <p>85A 11.6X1.6mm</p>	<p>P01BS00653</p>  <p>35A 6.0X1.0mm</p>	<p>P01BS00113</p>  <p>60A 6.0X1.4mm</p>	<p>P01BS00114</p>  <p>60A 6.0X1.4mm</p>	<p>P01BS00041</p>  <p>70A 8.0X0.8mm</p>	<p>P01BS00591</p>  <p>70A 10.0X1.0mm</p>
<p>P01BS00335</p>  <p>80A 8.0X1.0mm</p>	<p>P01BS00637</p>  <p>80A 10.0X1.6mm</p>	<p>P01BS00040</p>  <p>80A 8.0X0.8mm</p>	<p>P01BS00118</p>  <p>80A 8.0X0.8mm</p>	<p>P01BS00378</p>  <p>85A 11.6X2.8mm</p>	<p>P01BS00738</p>  <p>30A 6.0X1.0mm</p>

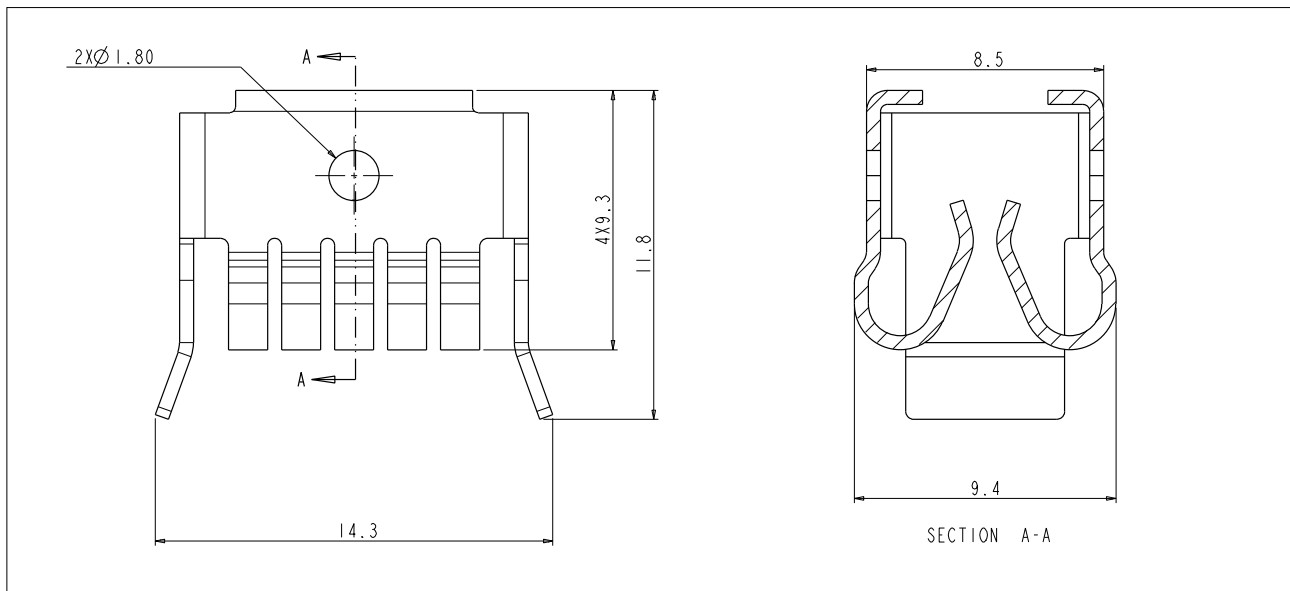


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	1.6 x 11.6mm
Connection type	Soldering

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

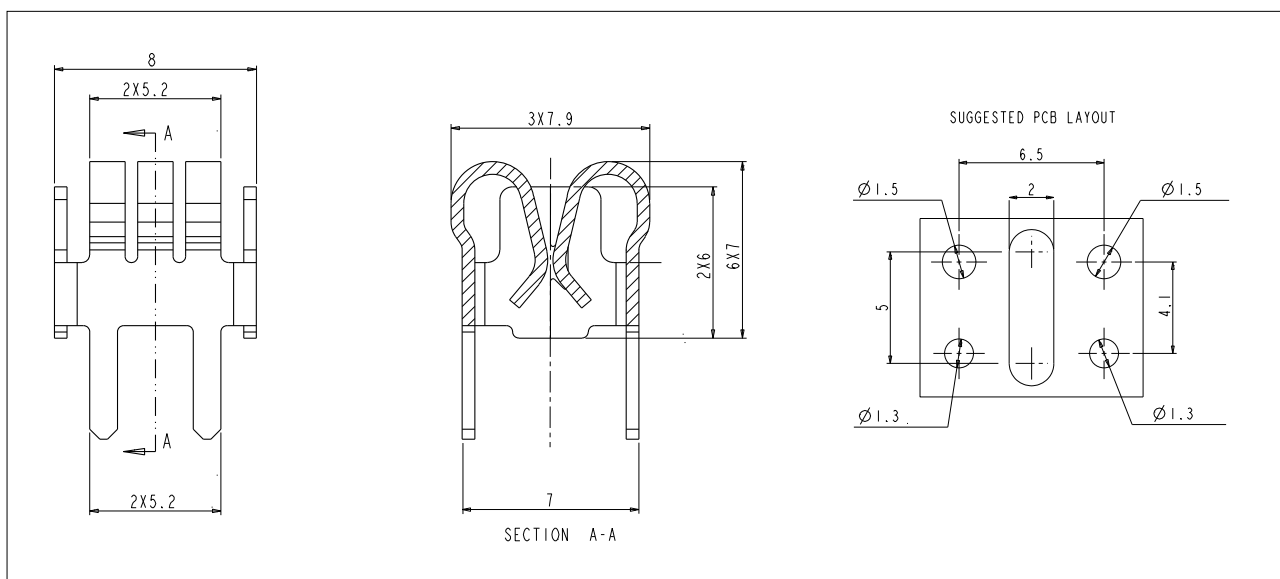


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Recommended Tab	Width: $6 \pm 0.1\text{mm}$ Thickness: $0 \pm 0.5\text{mm}$
Connection type	Soldering
ELCTRICAL	
Rated current	35A Max.
Contact resistance	$\leq 1.0\text{m}\Omega$
Temperature rise	$\leq 55\text{K}$



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: $6 \pm 0.1\text{mm}$ Thickness: $0 \pm 0.5\text{mm}$
Connection type	Soldering

ELECTRICAL

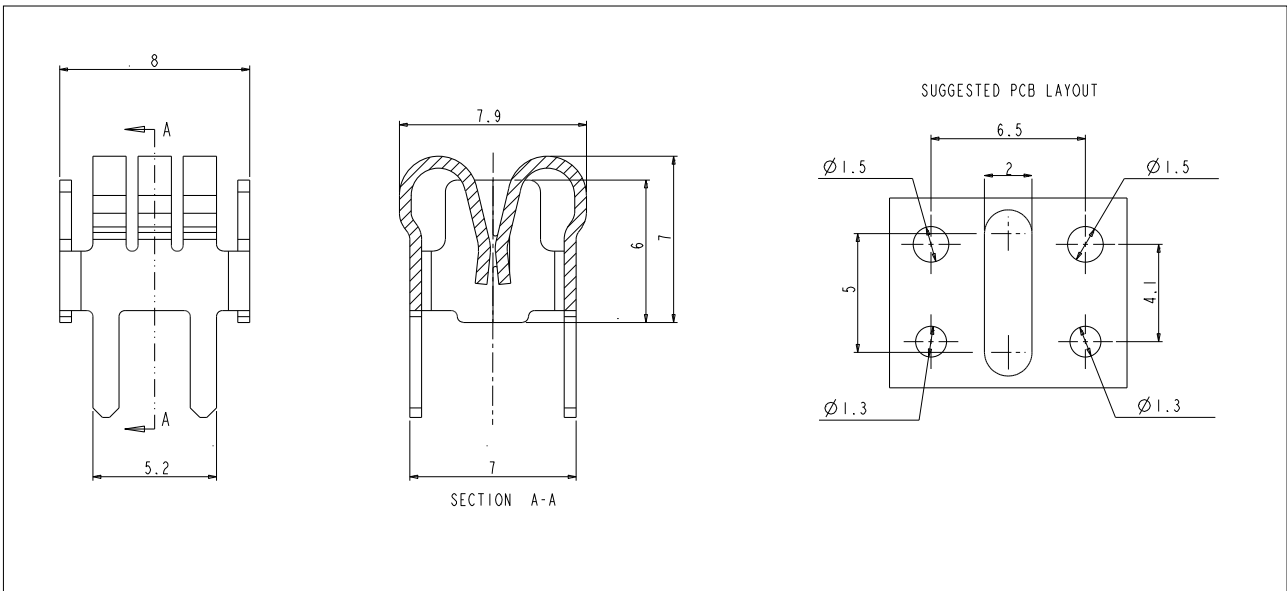
Rated current	60A
Contact resistance	$\leq 1.0\text{m}\Omega$
Temperature rise	$\leq 55\text{K}$

ENVIRONMENTAL

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

MATERIAL

Contact	Copper alloy
Plating	Tin



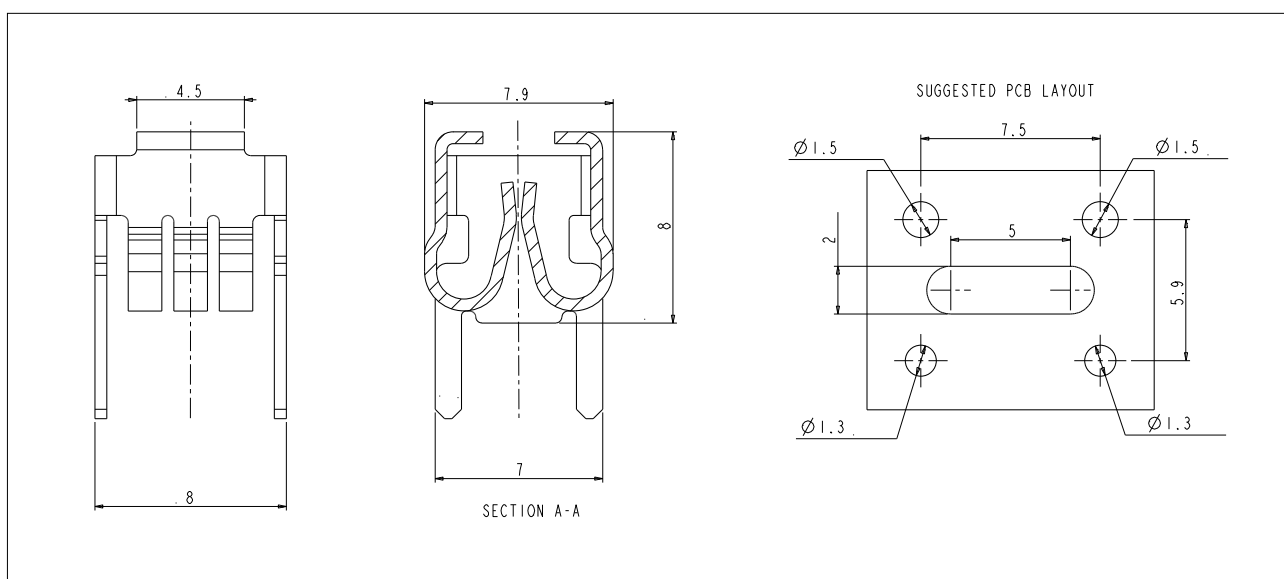
MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Recommended Tab	Width: $6 \pm 0.1\text{mm}$ Thickness: $0 \pm 0.5\text{mm}$
Connection type	Soldering

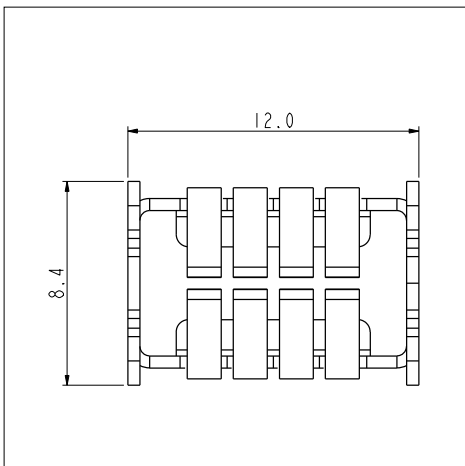
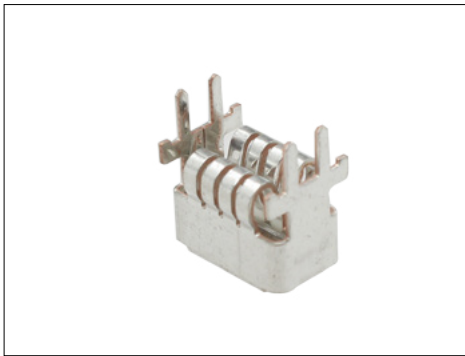
ELCTRICAL	
Rated current	60A
Contact resistance	$\leq 1.0\text{m}\Omega$
Temperature rise	$\leq 55\text{K}$



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

MATERIAL	
Contact	Copper alloy
Plating	Tin



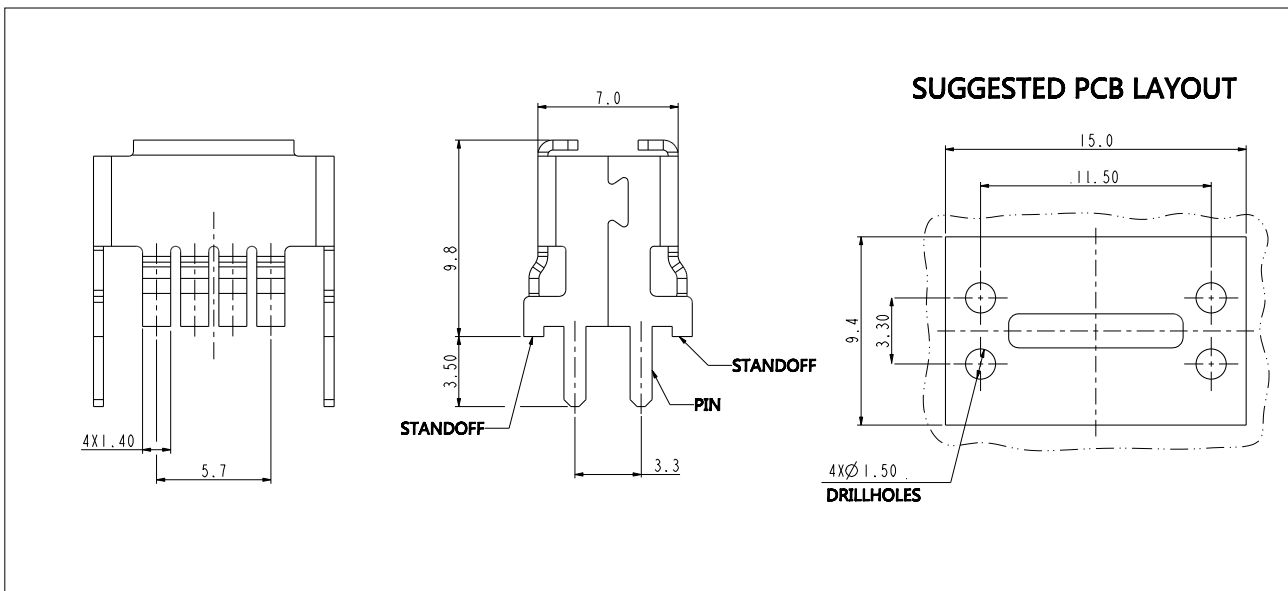


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	8.0 x 1.0mm
Connection type	Soldering

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

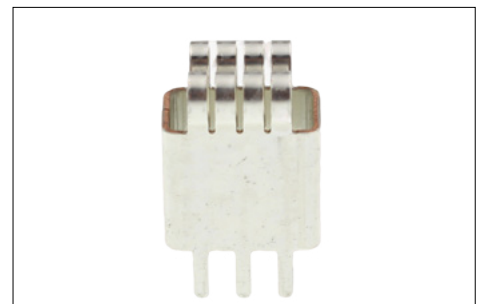
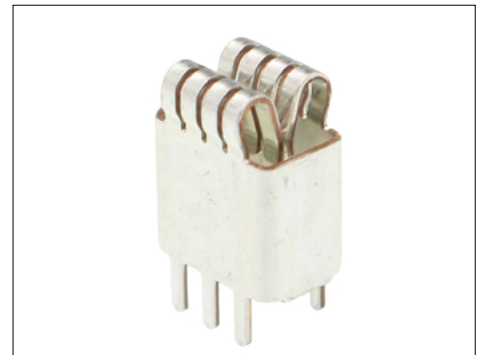
ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Tin

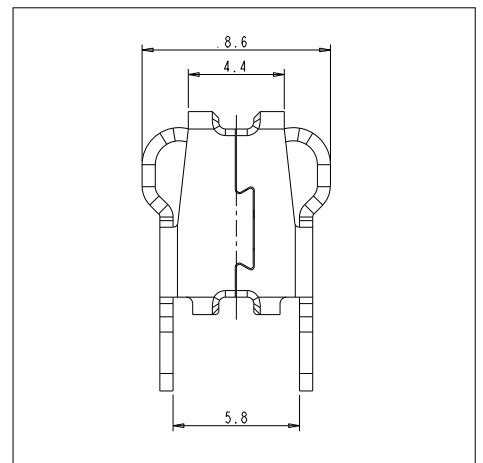


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Recommended Tab	Width: 10 ± 0.1mm Thickness: 1 ± 0.5mm
Connection type	Soldering

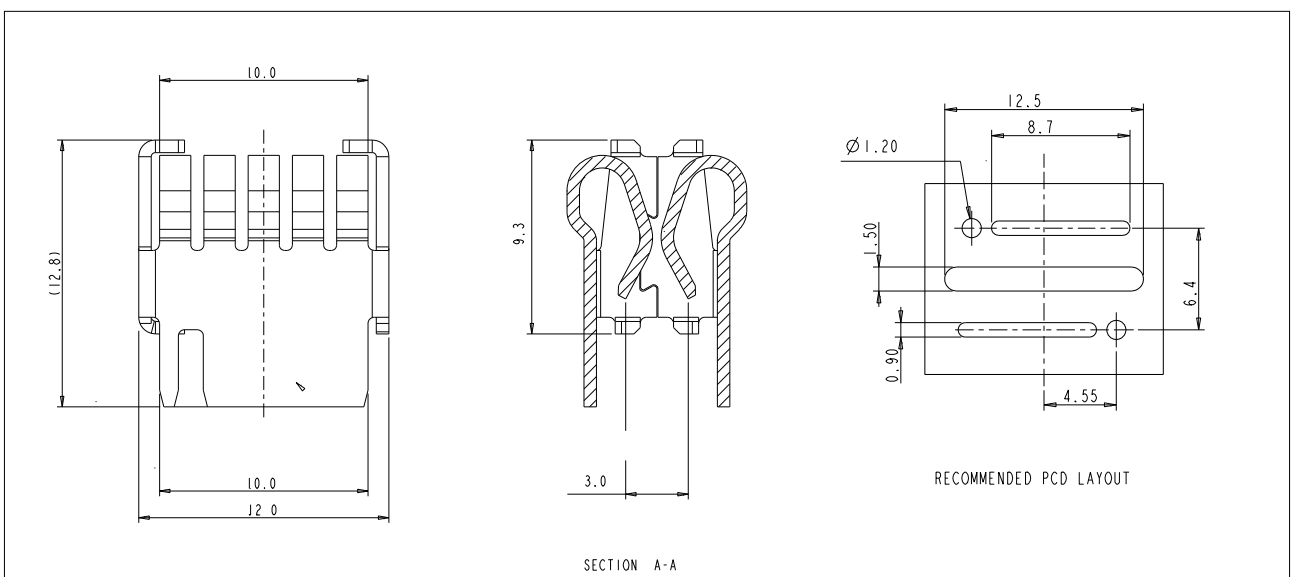
ELCTRICAL	
Rated current	70A Max.
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 35K

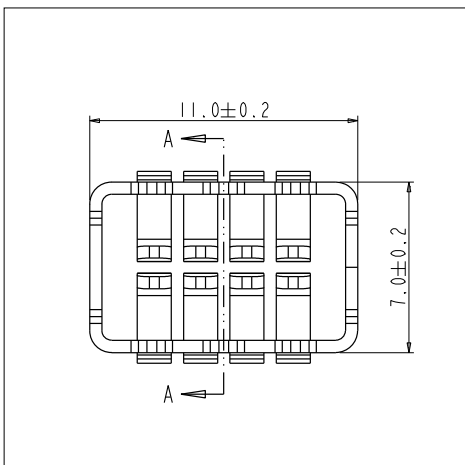


ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes



MATERIAL	
Contact	Copper alloy
Plating	Silver



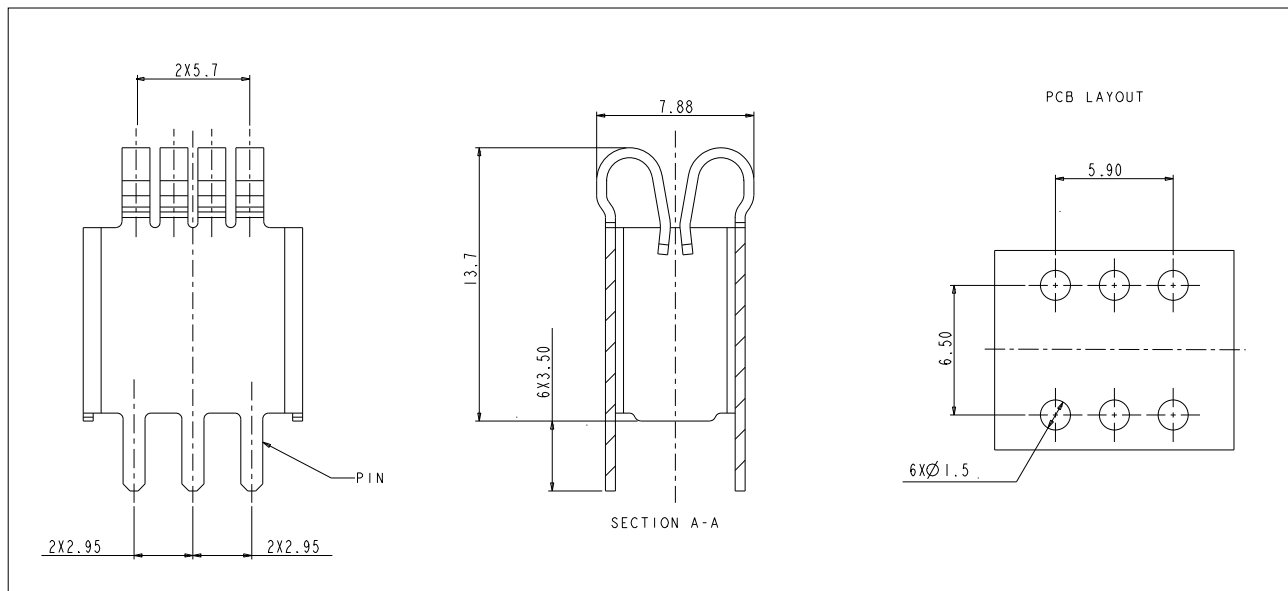


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	8.0 x 1.0mm
Connection type	Soldering

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

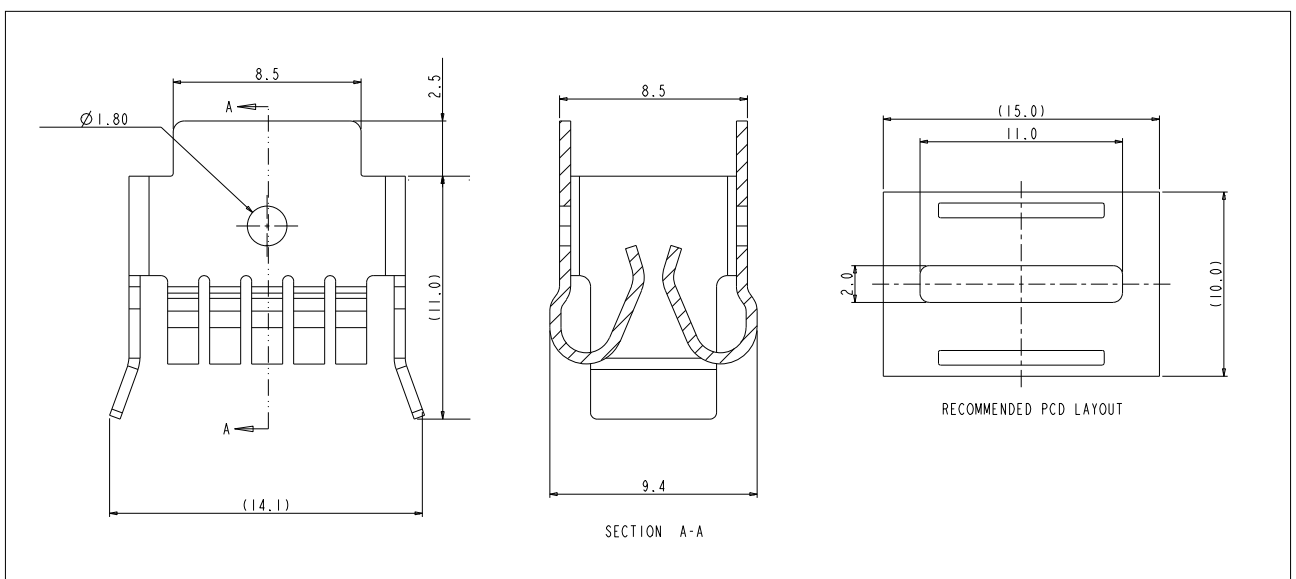


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	1.6 x 10 mm
Connection type	Soldering

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

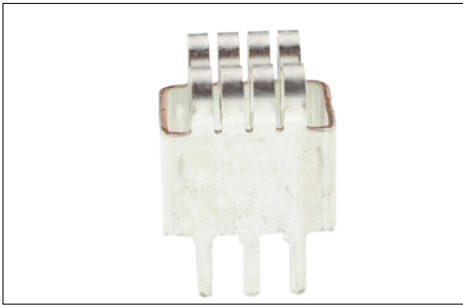
ENVIRONMENTAL	
Operating temperature	-40°C to 150°C
Ambient temperature	-40°C to 70°C
RoHS	Yes

MATERIAL	
Contact	Copper alloy
Plating	Tin

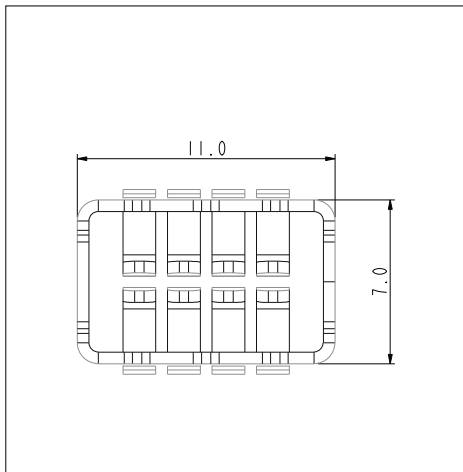




MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	8.0 x 1.0mm
Connection type	Soldering

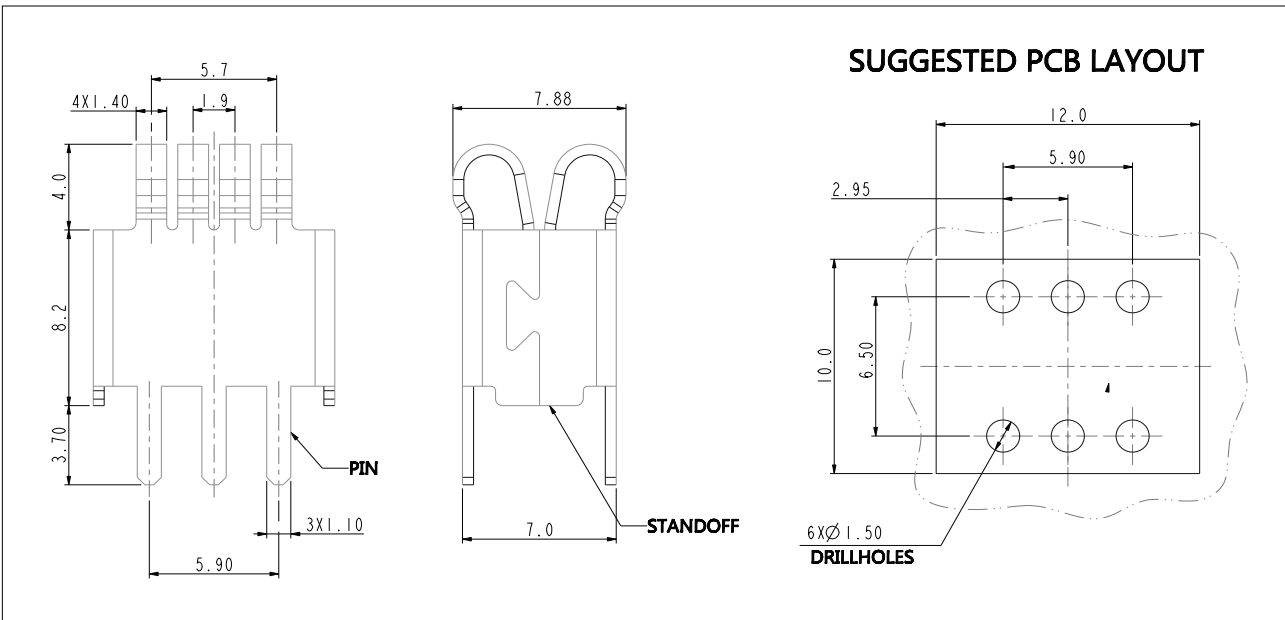


ELCTRICAL	
Rated current	80A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K



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

MATERIAL	
Contact	Copper alloy
Plating	Tin



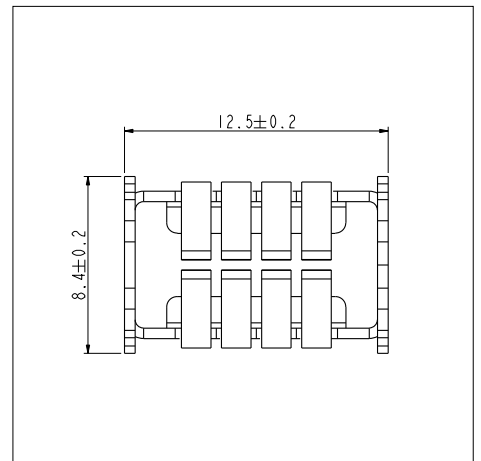
MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	8.0 x 0.8 mm
Connection type	Soldering



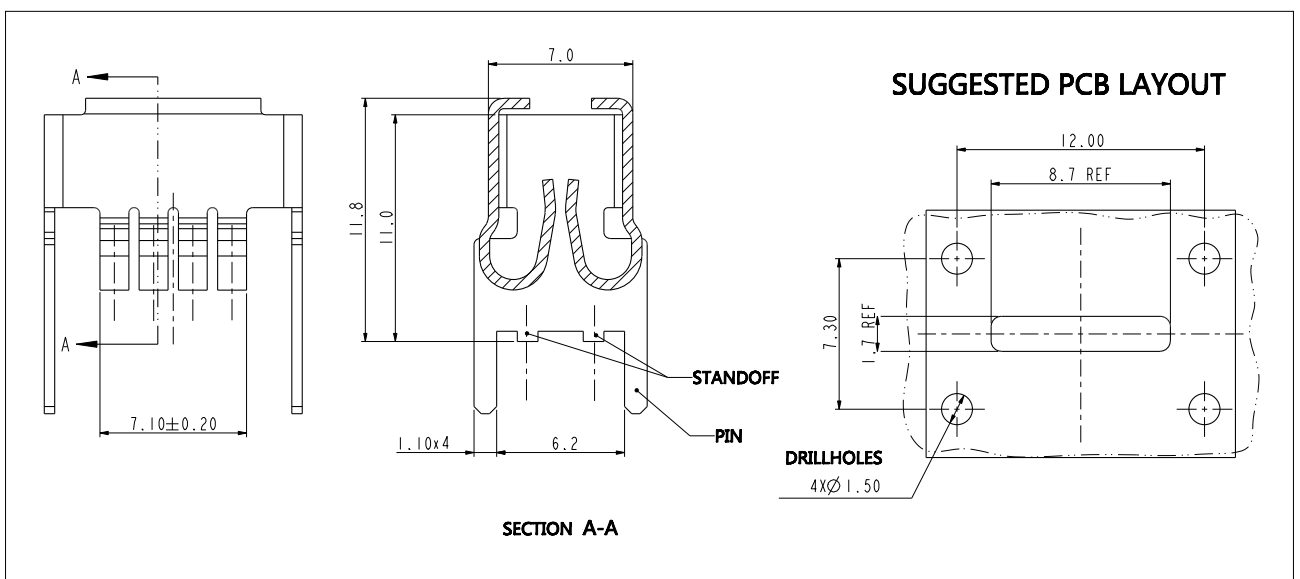
ELCTRICAL	
Rated current	80A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 35K



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



MATERIAL	
Contact	Copper alloy
Plating	Tin



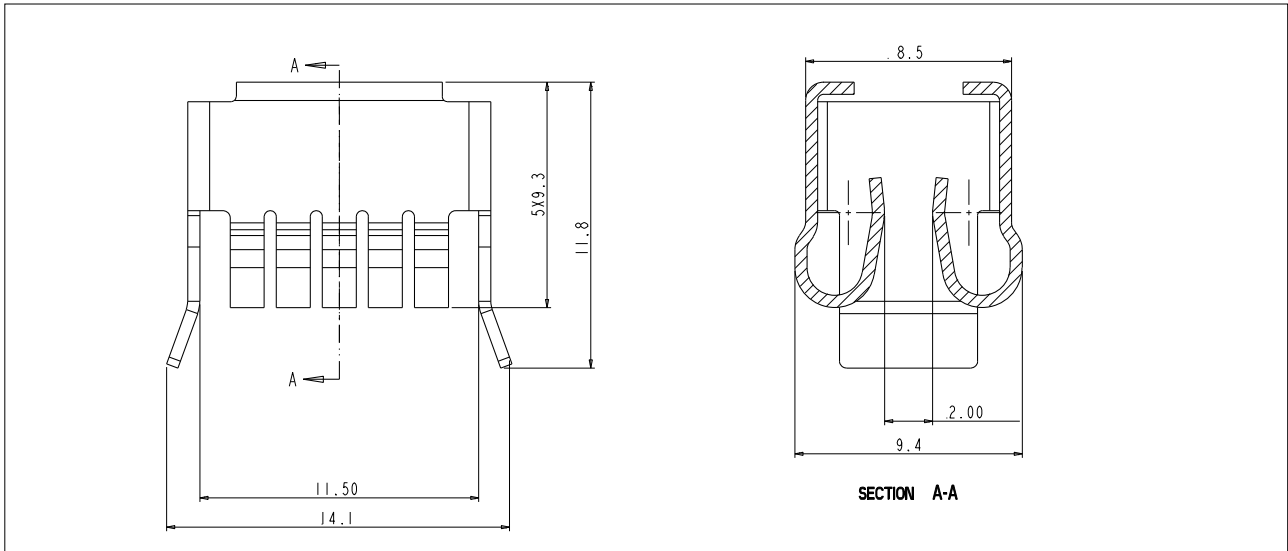


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	2.8 x 11.6mm
Connection type	Soldering

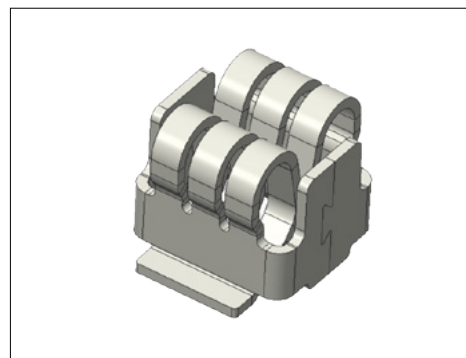
ELCTRICAL	
Rated current	85A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K

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

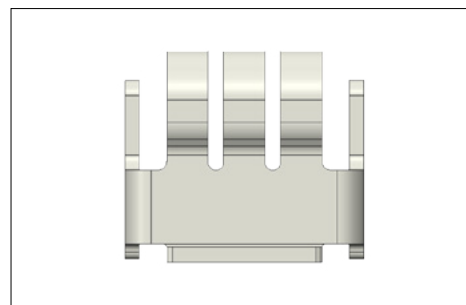
MATERIAL	
Contact	Copper alloy
Plating	Tin



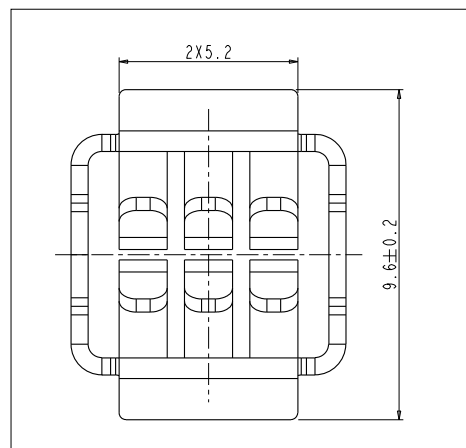
MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Mateable with tab	8.0 x 0.8 mm
Connection type	Soldering



ELECTRICAL	
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

SECTION A-A

SUGGESTED PCB LAYOUT

MECHANICAL

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

ELECTRICAL

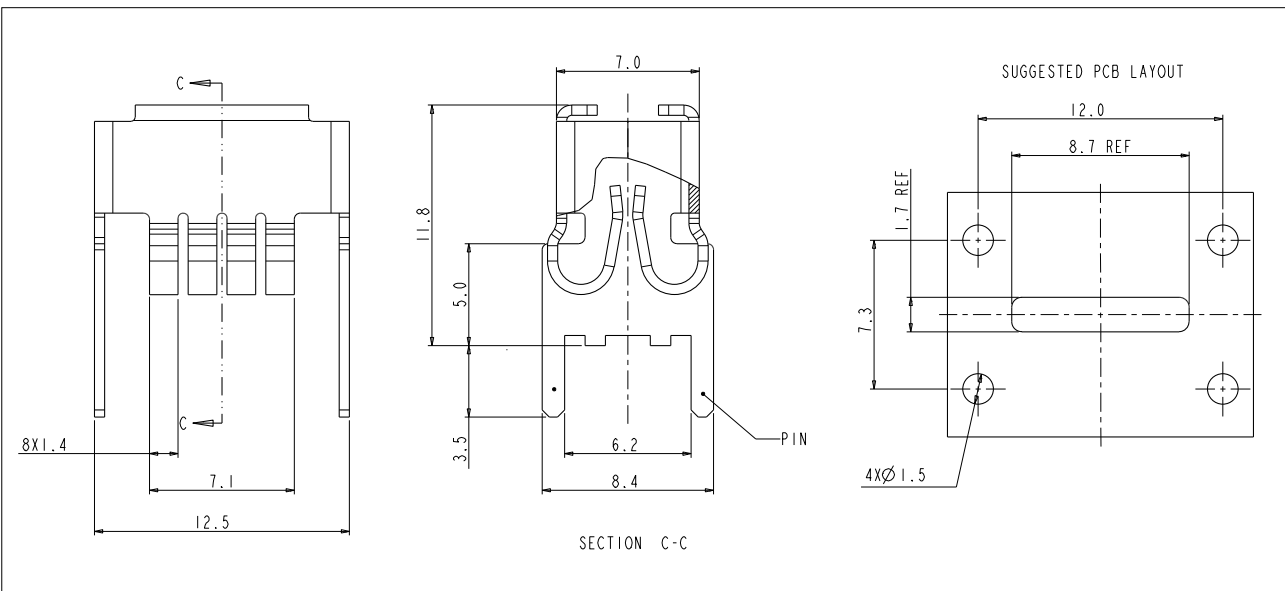
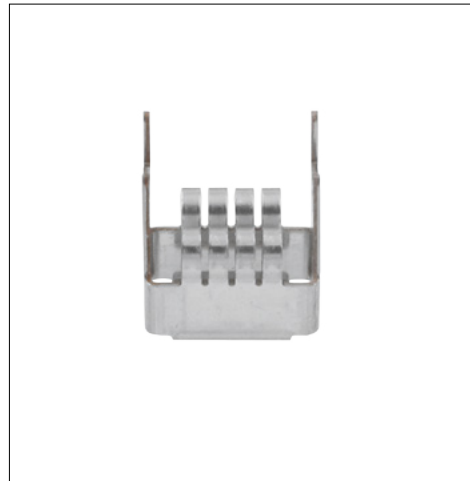
Rated current	80A
Contact resistance	≤ 1.0mΩ
Temperature rise	≤ 55K

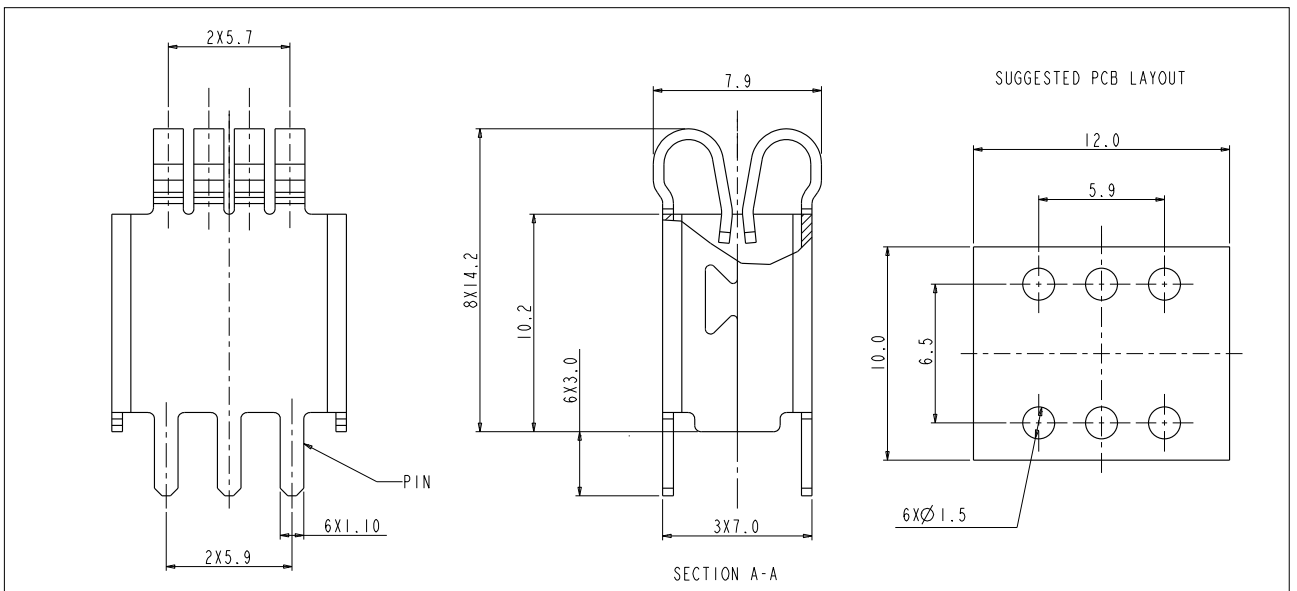
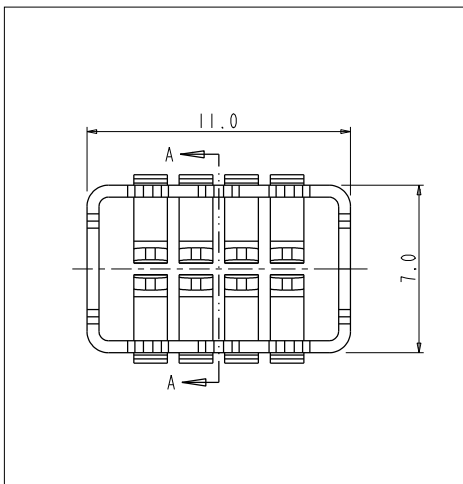
ENVIRONMENTAL

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

MATERIAL

Contact	Copper alloy
Plating	Tin





MECHANICAL

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

ELECTRICAL

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

MECHANICAL

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

ELCTRICAL

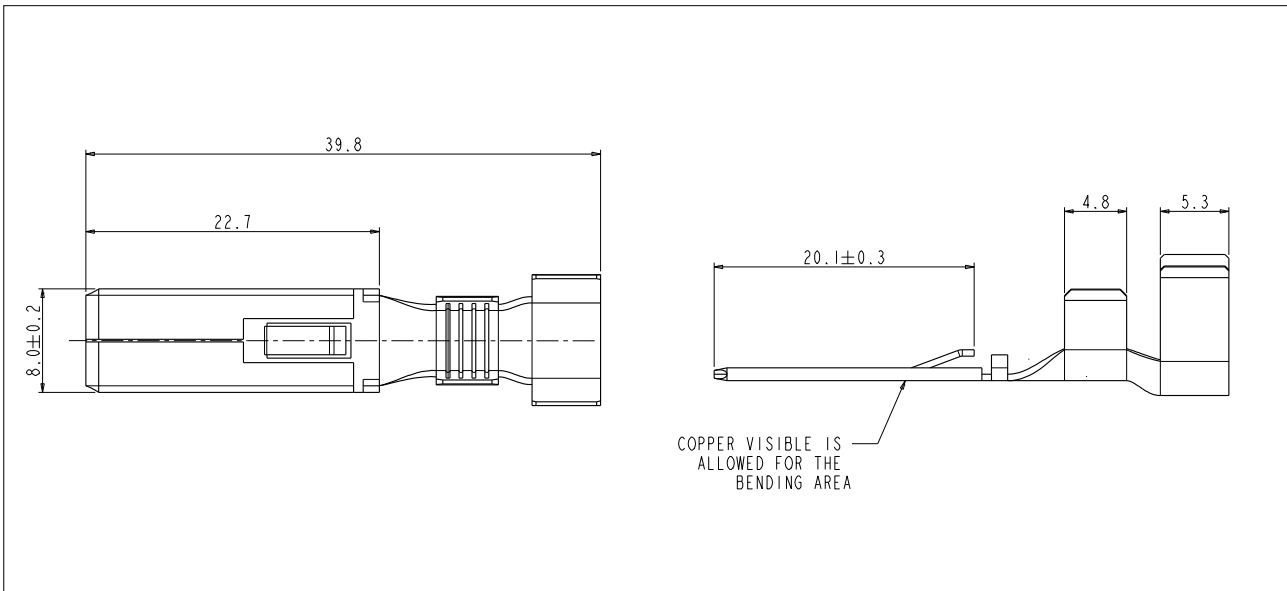
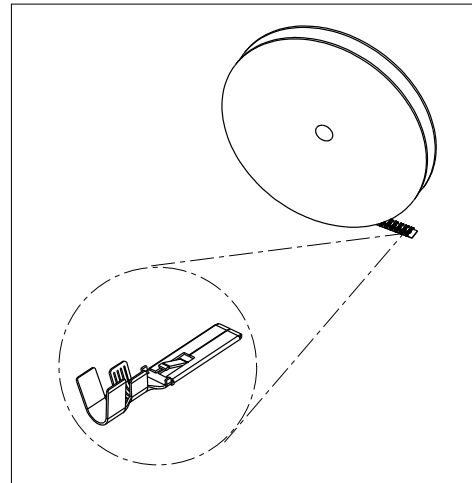
Rated current	40A (10mm ²)
Temperature rise	≤ 55K

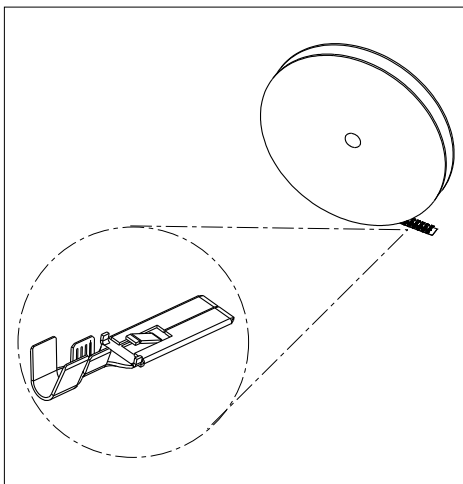
ENVIRONMENTAL

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

MATERIAL

Contact	Copper alloy
Plating	Tin



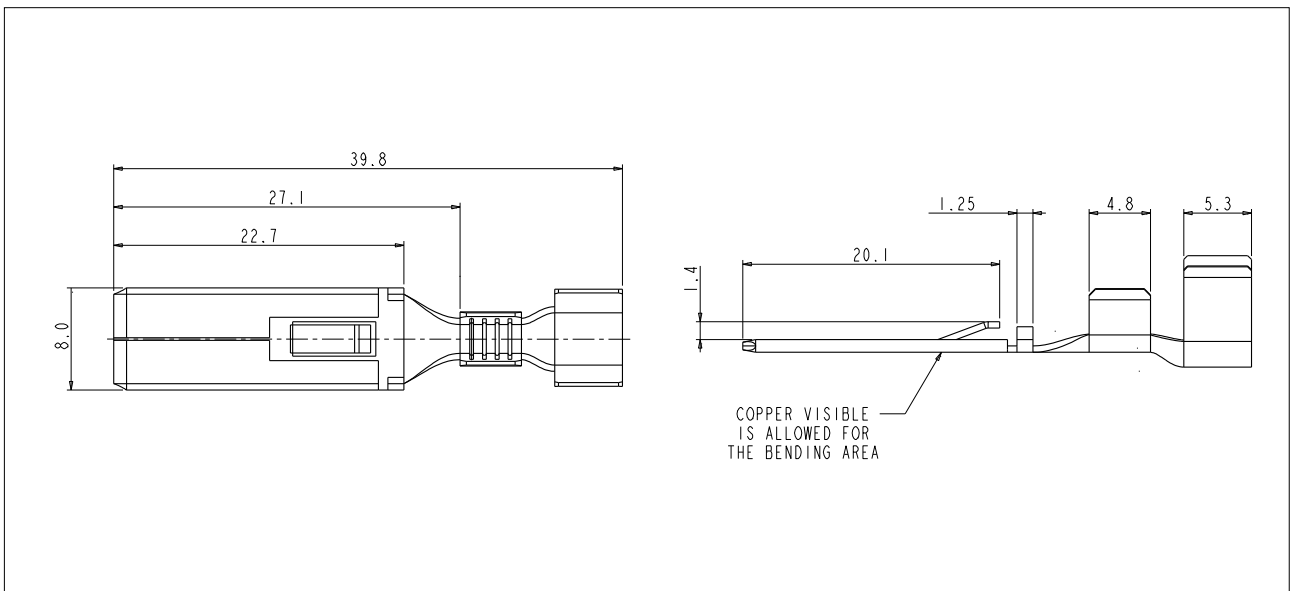


MECHANICAL	
Durability	> 50 mating cycles
Insertion force	< 35N
Pullout force	> 5N
Connection type	Crimping

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





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Notes:

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Amphenol PCD Shenzhen reserves the right to clarify this catalog.