

AP-TSS10, AP-LT10

High current (32 A), high temperature (125 °C) Spacer/Power Terminal, PCB SMT Terminal, easily operate with SMT and M3 (8.00 mm) screws

Product Specifications:

Product name		AP-TSS10 / AP-LT10
Parts number and name		3782-0002 (AP-TSS10)
		3571-0081-04T (AP-LT10)
Size (mm)	Height (mm)	8.00 mm (AP-TSS10)
		1.00 mm (AP-LT10)
	Width (mm)	Ø7.00 ± 0.10 mm (AP-TSS10)
		Ø8.20 ± 0.10 mm (APLT-10)
Mating Type		Vertical (M3 thread screw)
Plating Type		Sn / Ni plating
Packing standard		EMBOSS

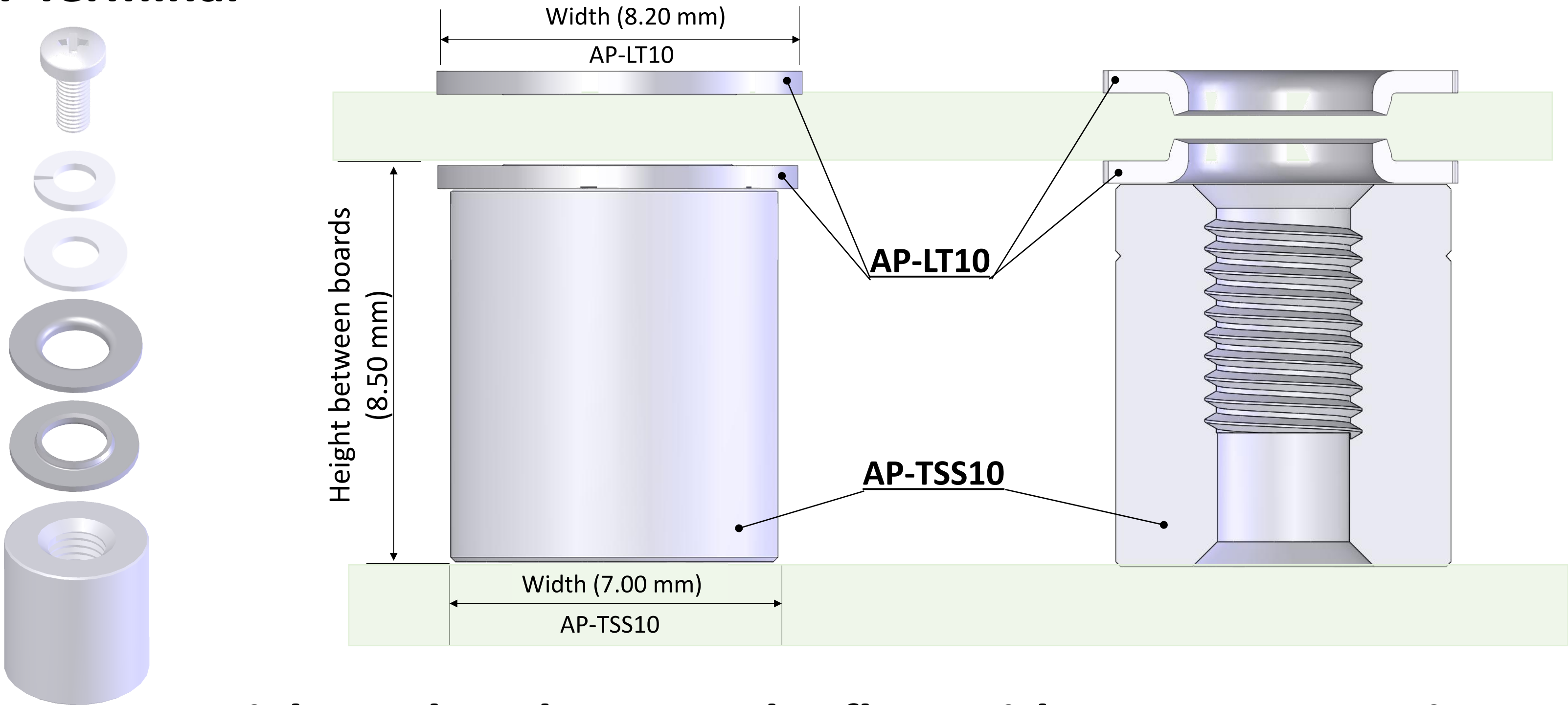
* Please inquire for height range, size and current amperage.

Product Specifications:

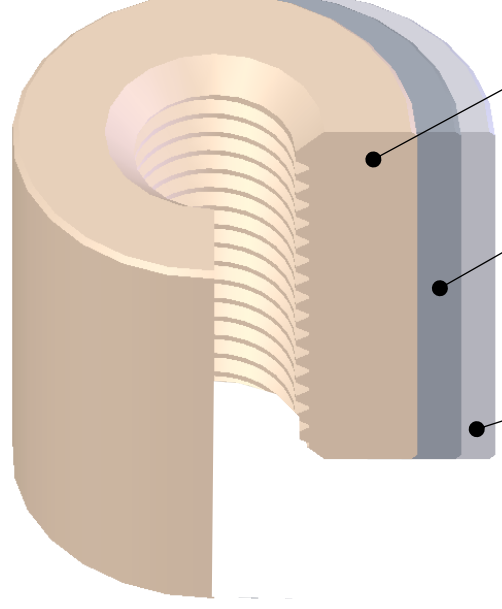
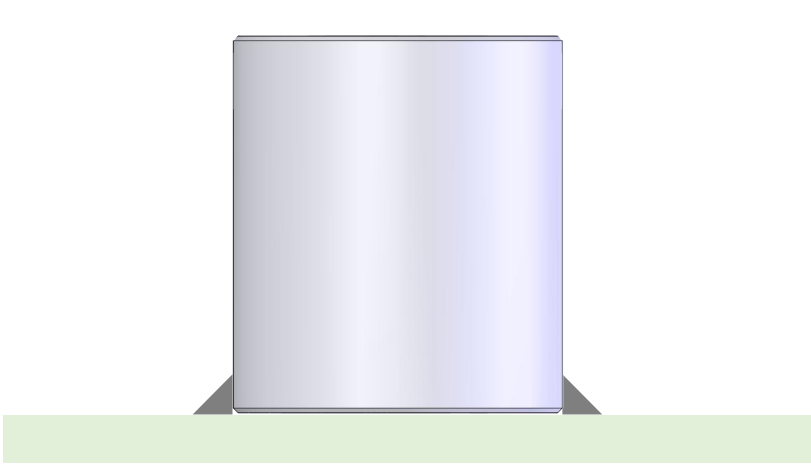
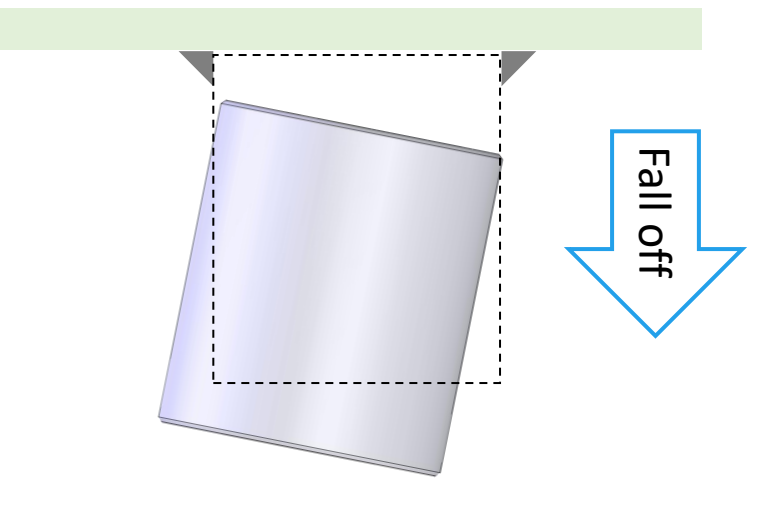
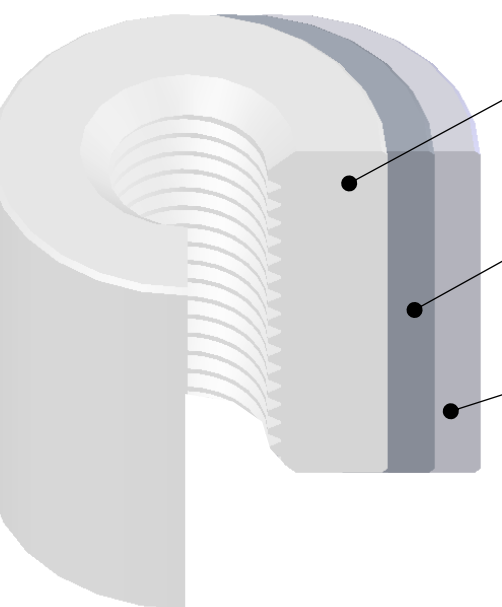
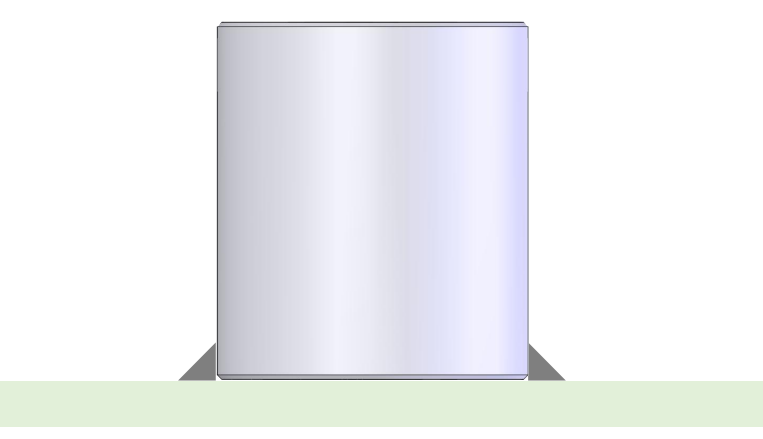
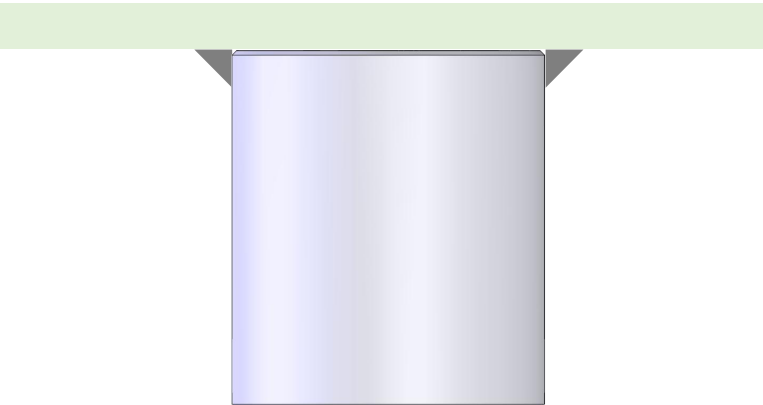
Amperage	32A DC
Operating Temperature	-40 - 125°C
Contact resistance	1.0 mΩ Max.



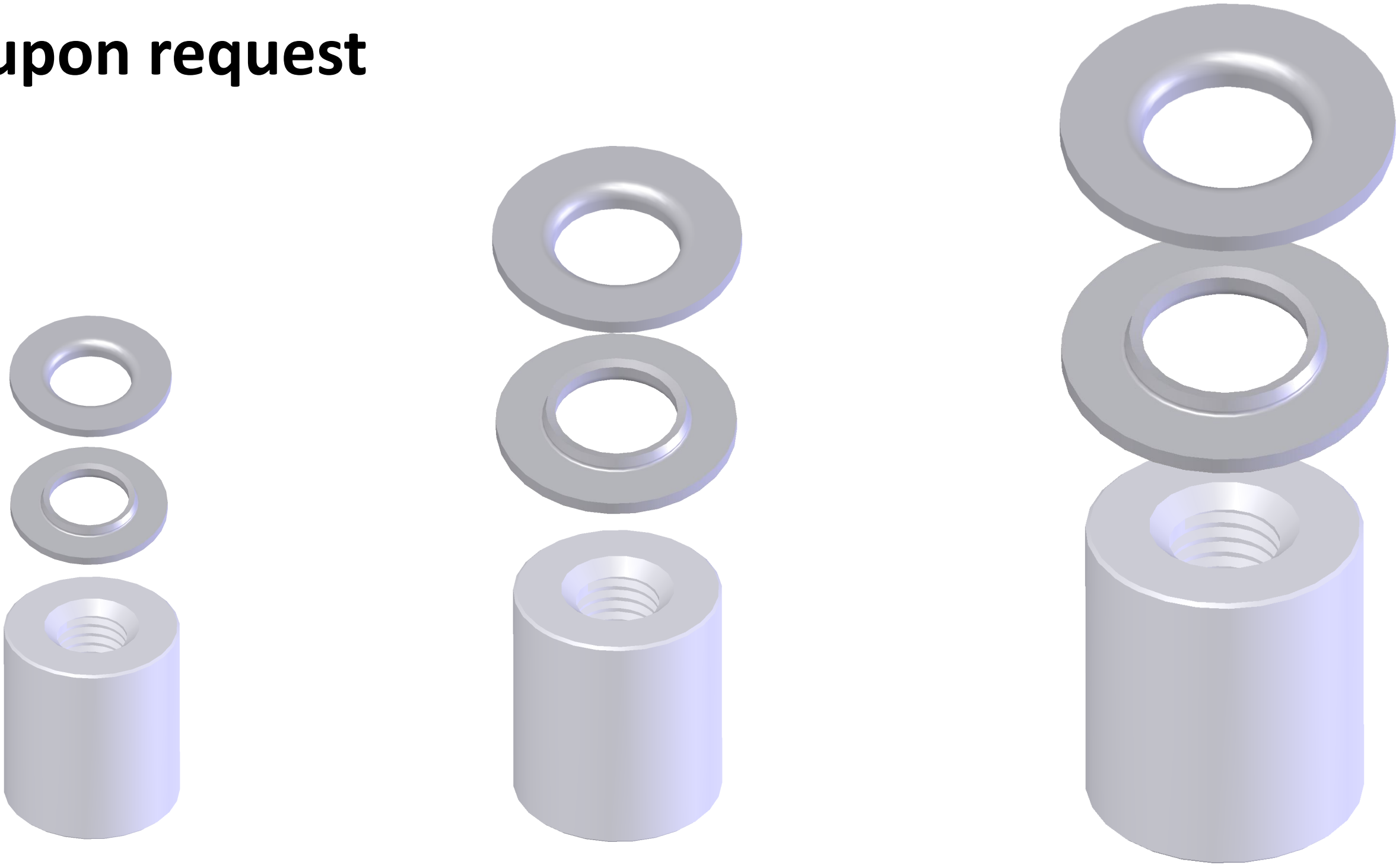
High current (32 A), high temperature (125 °C) Spacer/Power Terminal, and PCB SMT Terminal



Reduced connector weight makes the second reflow with reverse mounting possible contributing to a flexible SMT design

	Connector structure	1 st mounted reflow	2 nd reverse mounted reflow
Brass	 <p>Material Brass : weight 8.5</p> <p>Layer plating Nickel</p> <p>Over Plating Tin-Plating</p>		 <p>Fail off</p>
Aluminum	 <p>Material Aluminum : weight 2.8</p> <p>Layer plating Nickel</p> <p>Over Plating Tin-Plating</p> <p>Weight ratio: 67% down</p>		

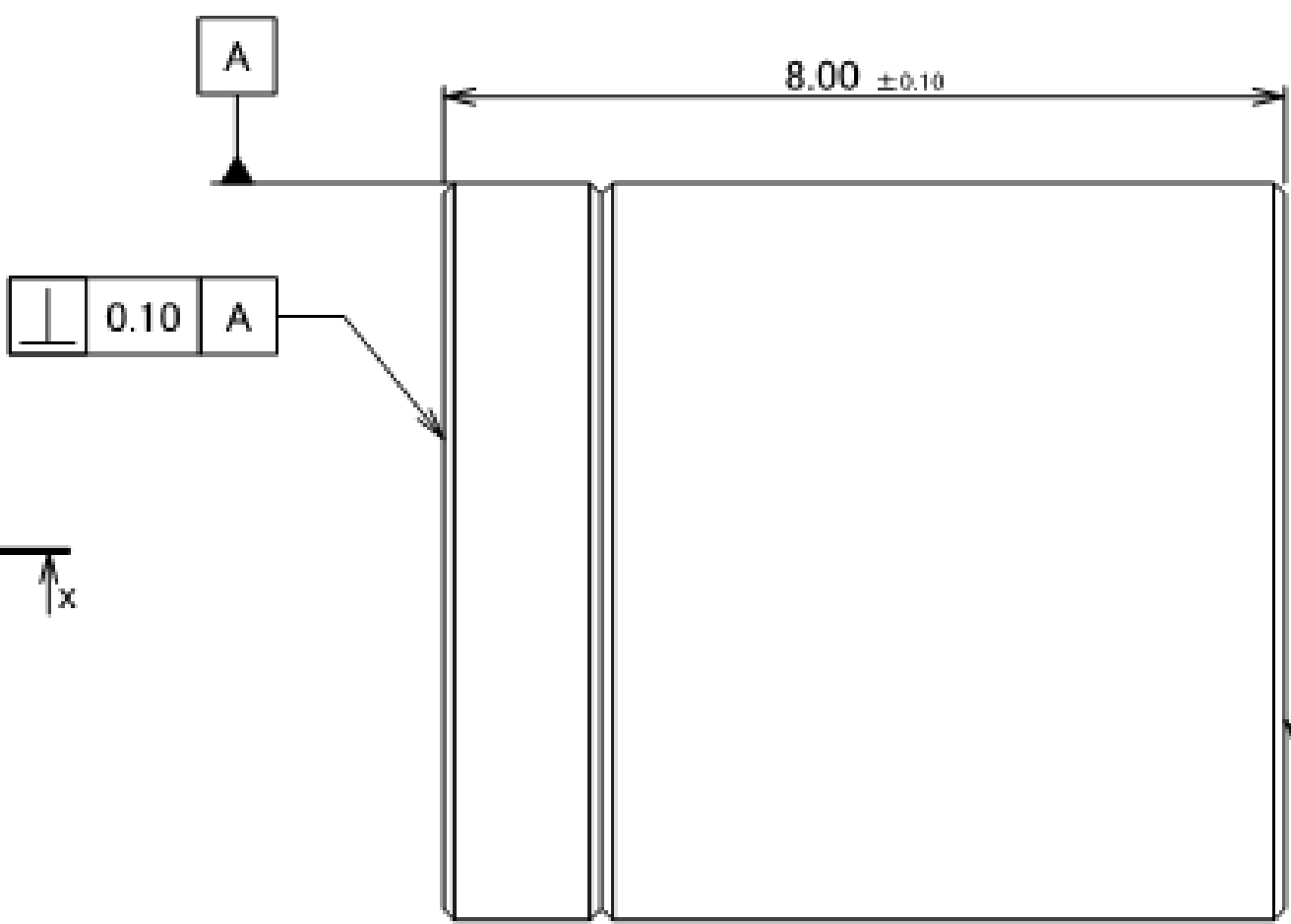
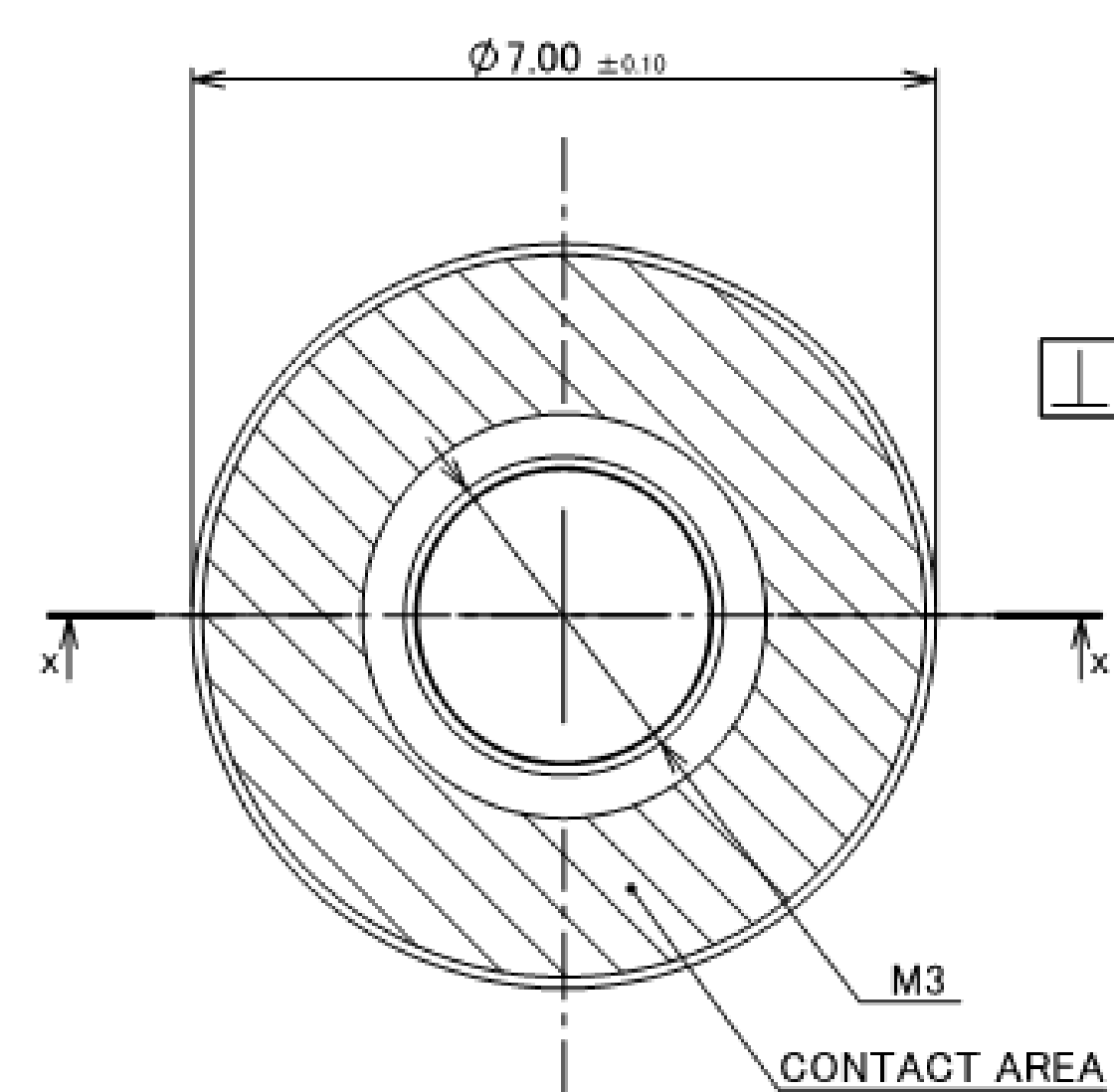
Special size available upon request



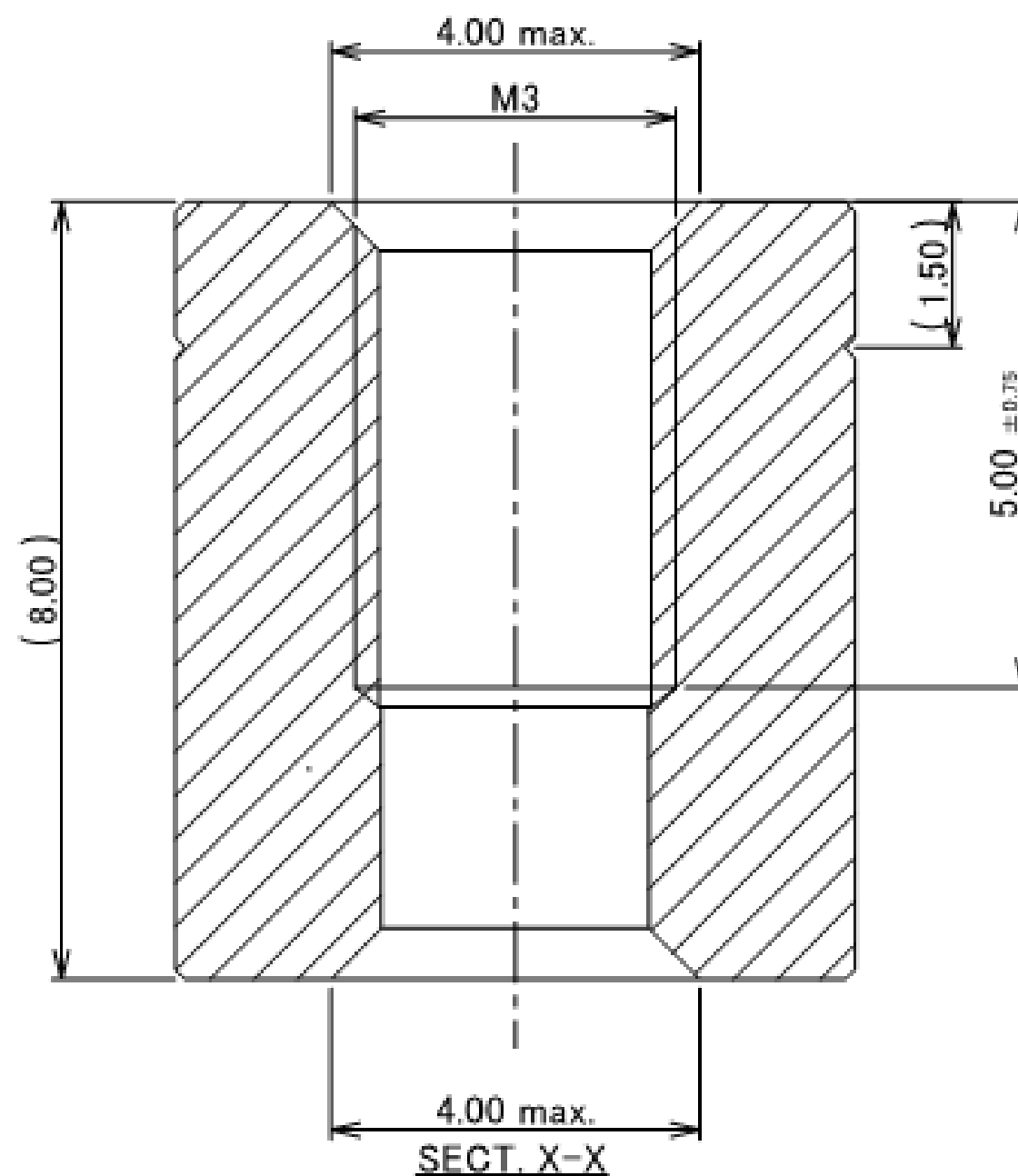
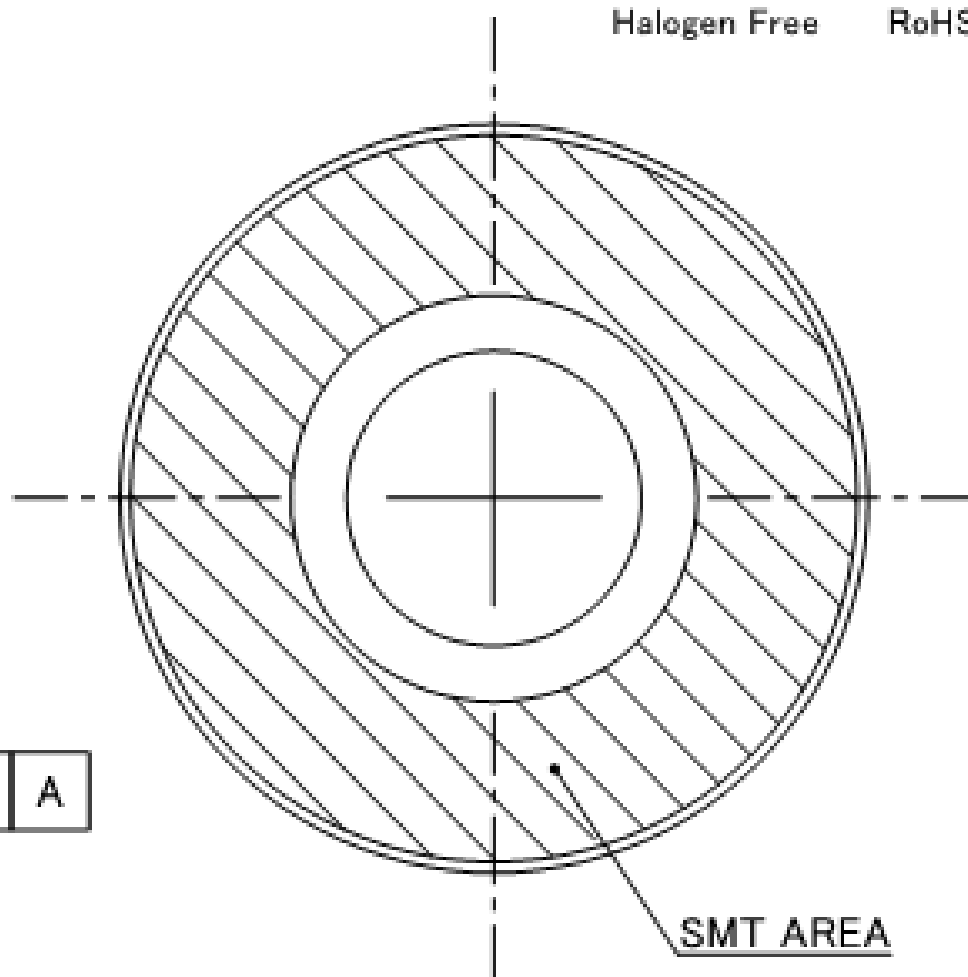
Component Parts Details

AP-TSS10

Recommended P/N	3782-0002
PART No.	3782-0002



IATF 16949 Certified

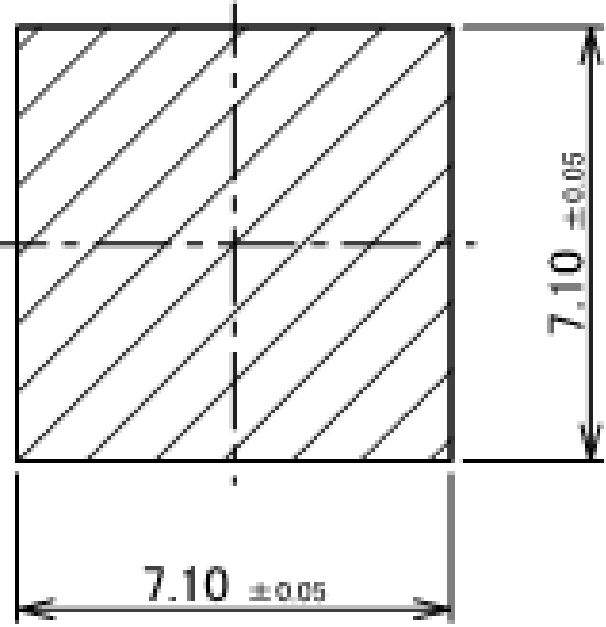


NOTES.
1. APPLICABLE CONNECTOR
AP-LT10 (P/N: 3571-0081-04T)

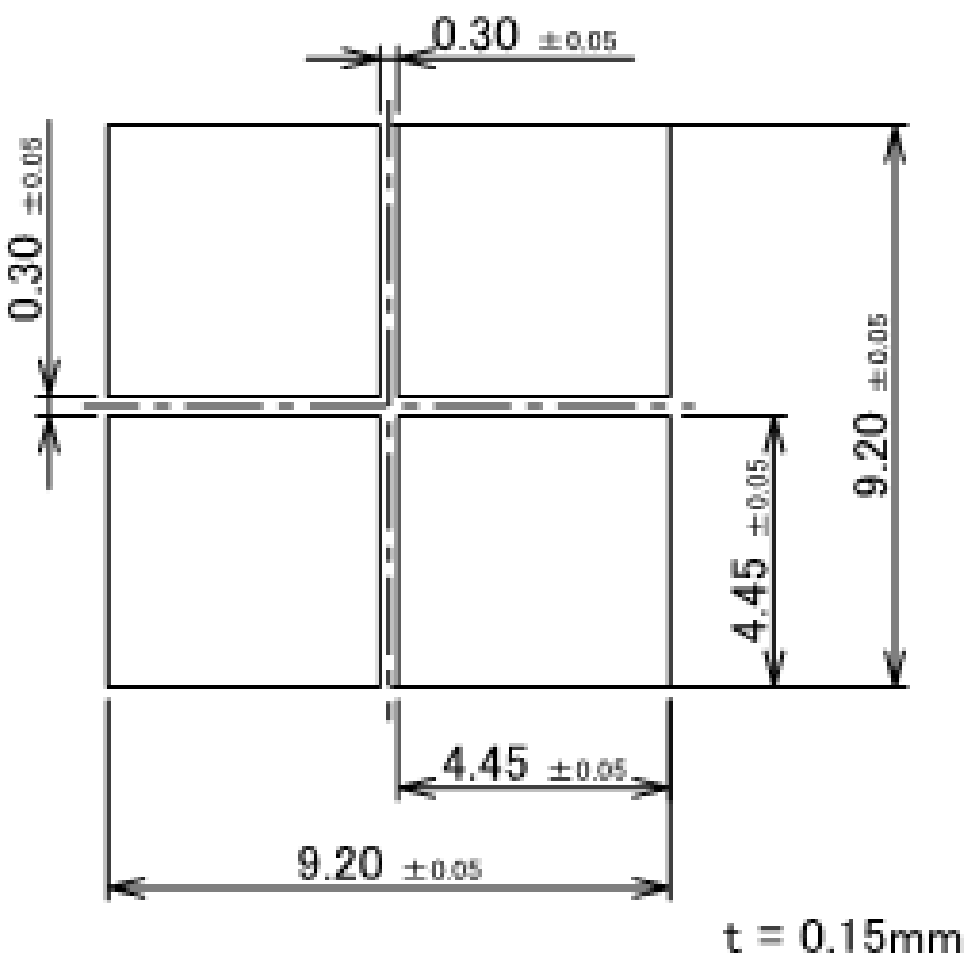
1	TERMINAL	ALUMINUM	[CONTACT AREA, SMT AREA]
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

Rev.2

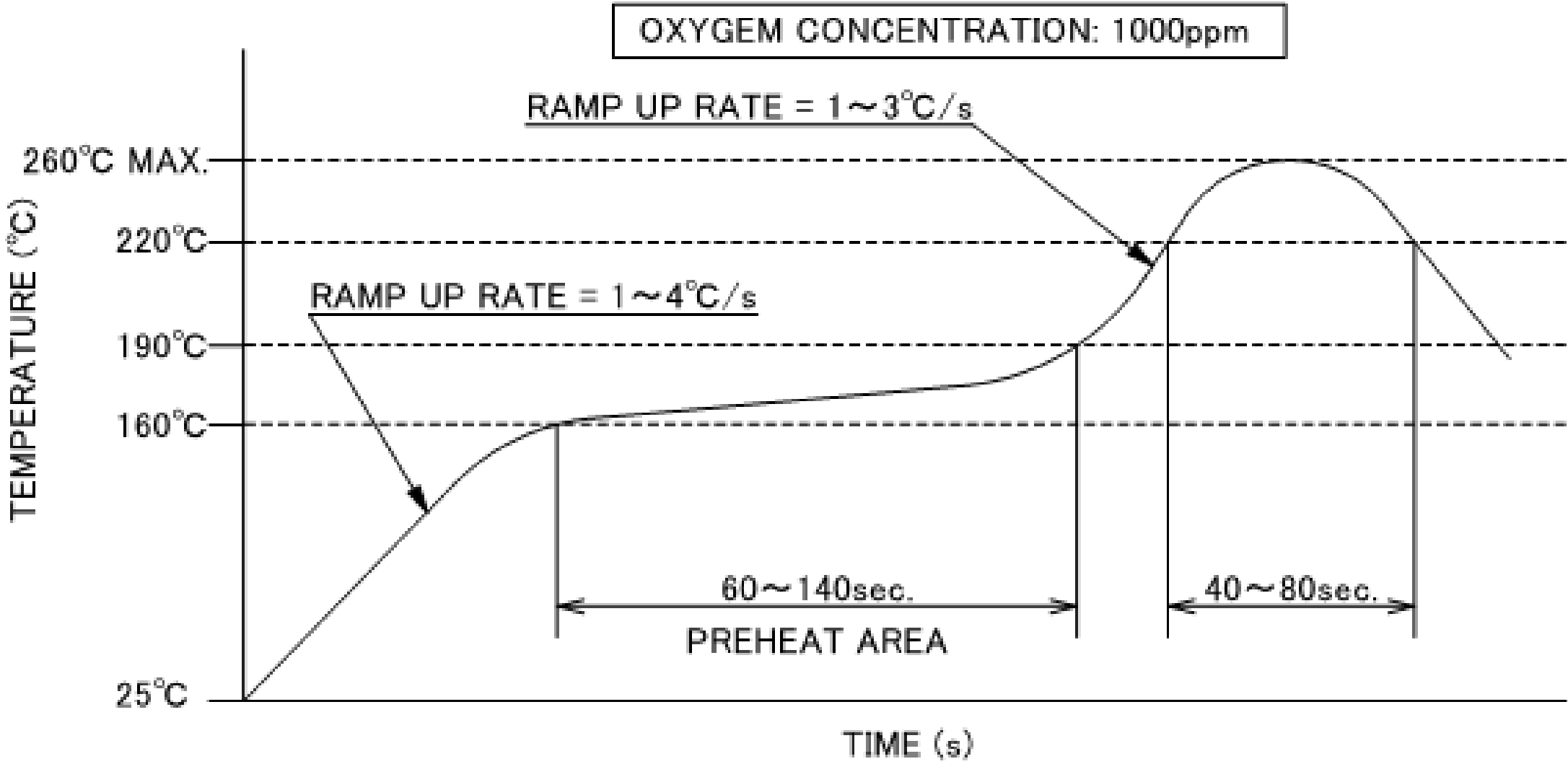
AP-TSS10



RECOMMENDED PCB LAYOUT



RECOMMENDED METAL MASK LAYOUT



REFLOW TEMPERATURE PROFILE
ARAKAWA CHEMICAL INDUSTRY CO., LTD. : PSP-V (Sn96.5 Ag3.0 Cu0.5)

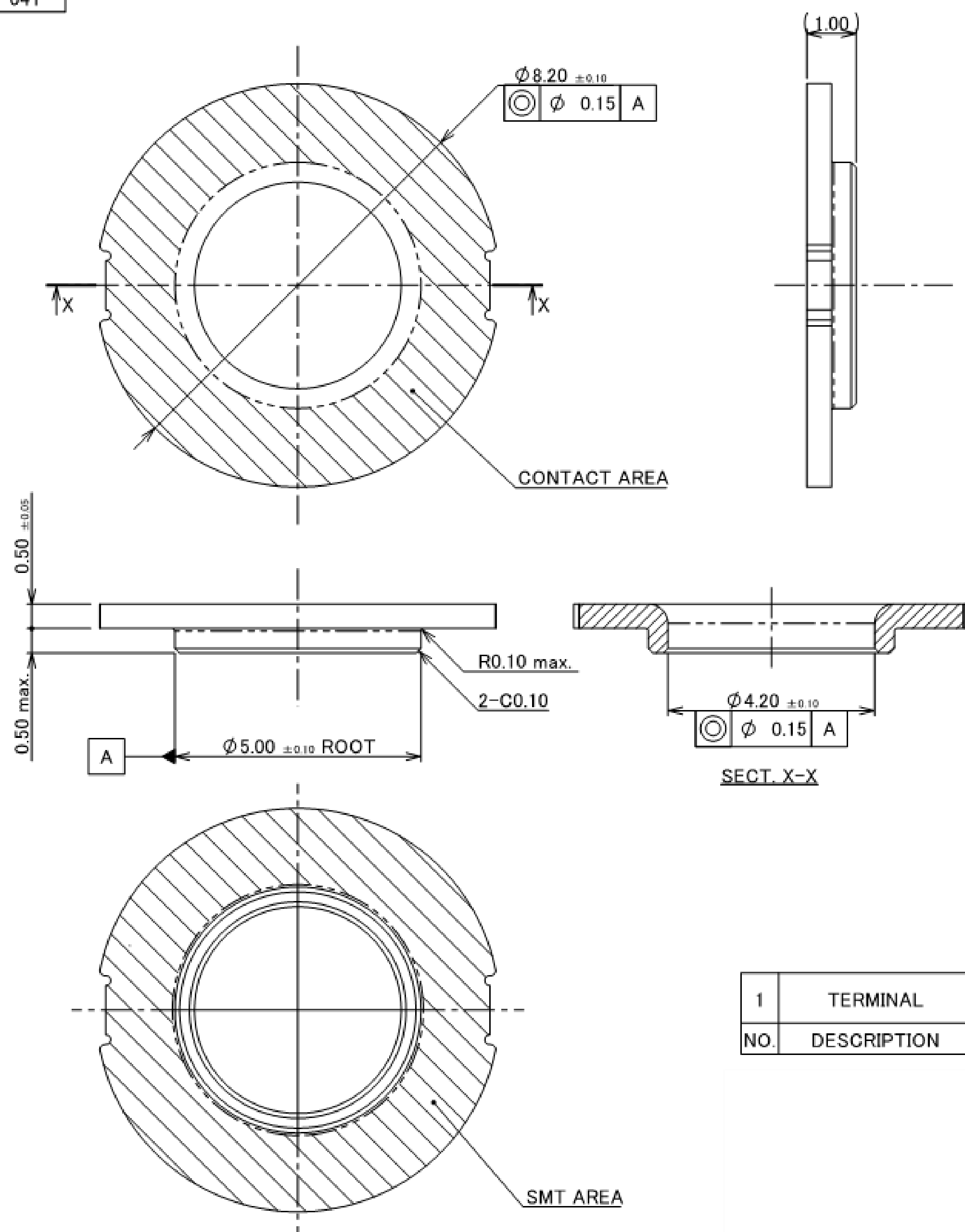
Rev.2

ITEMS	SPECIFICATION
RATING VOLTAGE	32A DC
OPERATING TEMPERATURE	233~398K(-40℃~+125℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 1.0mohm MAX. / AFTER TEST : 1.0mohm MAX.
SCREW TIGHTENING TORQUE	0.75~0.93 Nm(REFERENCE)
PRODUCT SPECIFICATION	PRS-2845
TEST REPORT	TR-23036
PACKING STANDARD	PST-23063
APPEARANCE CRITERIA No.	QLS-A***

Rev.2

AP-LT10

Recommended P/N	3571-0081-04T
PART No.	
3571-0081-04T	



IATF 16949 Certified



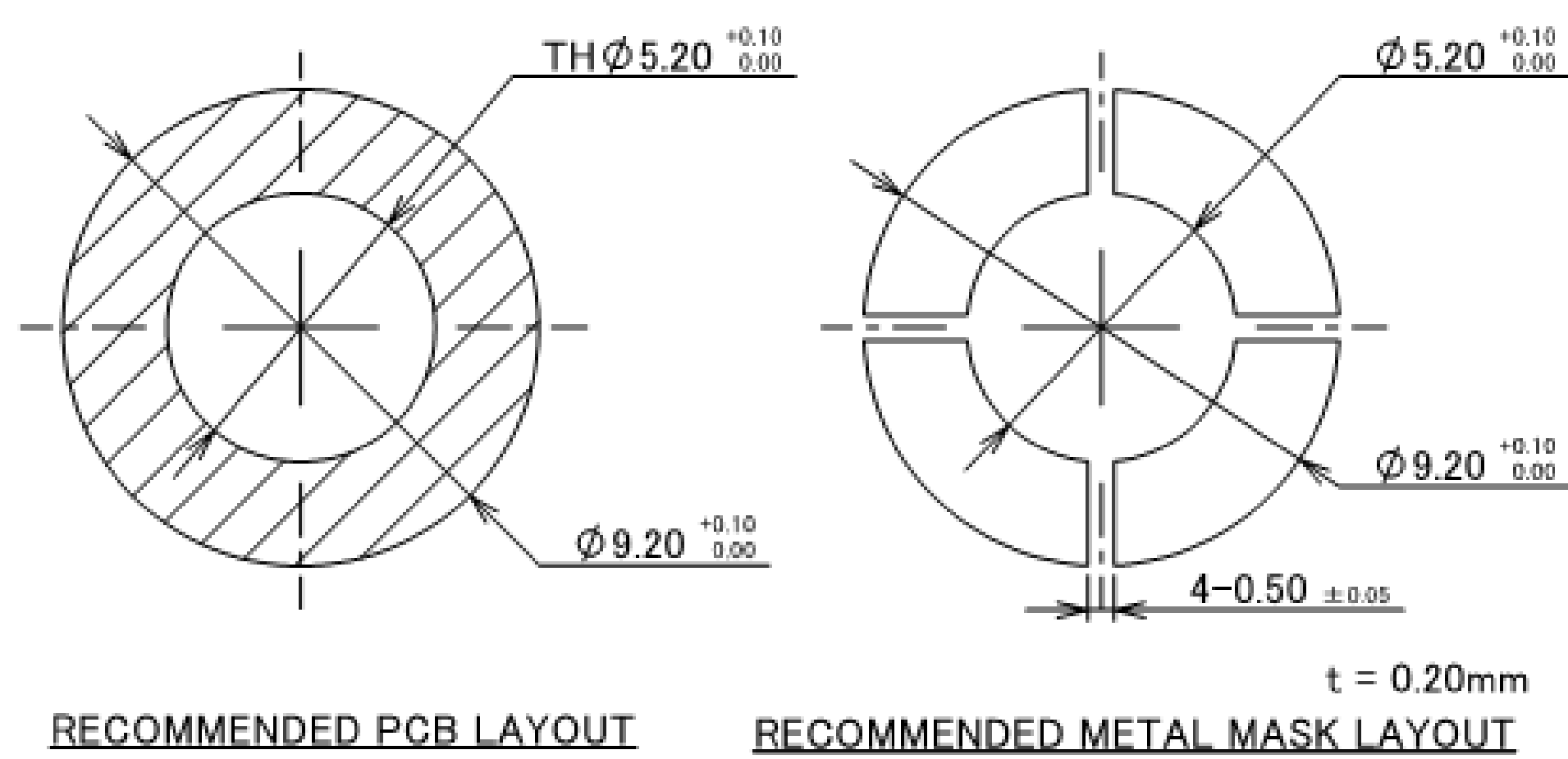
Halogen Free

RoHS Compliant

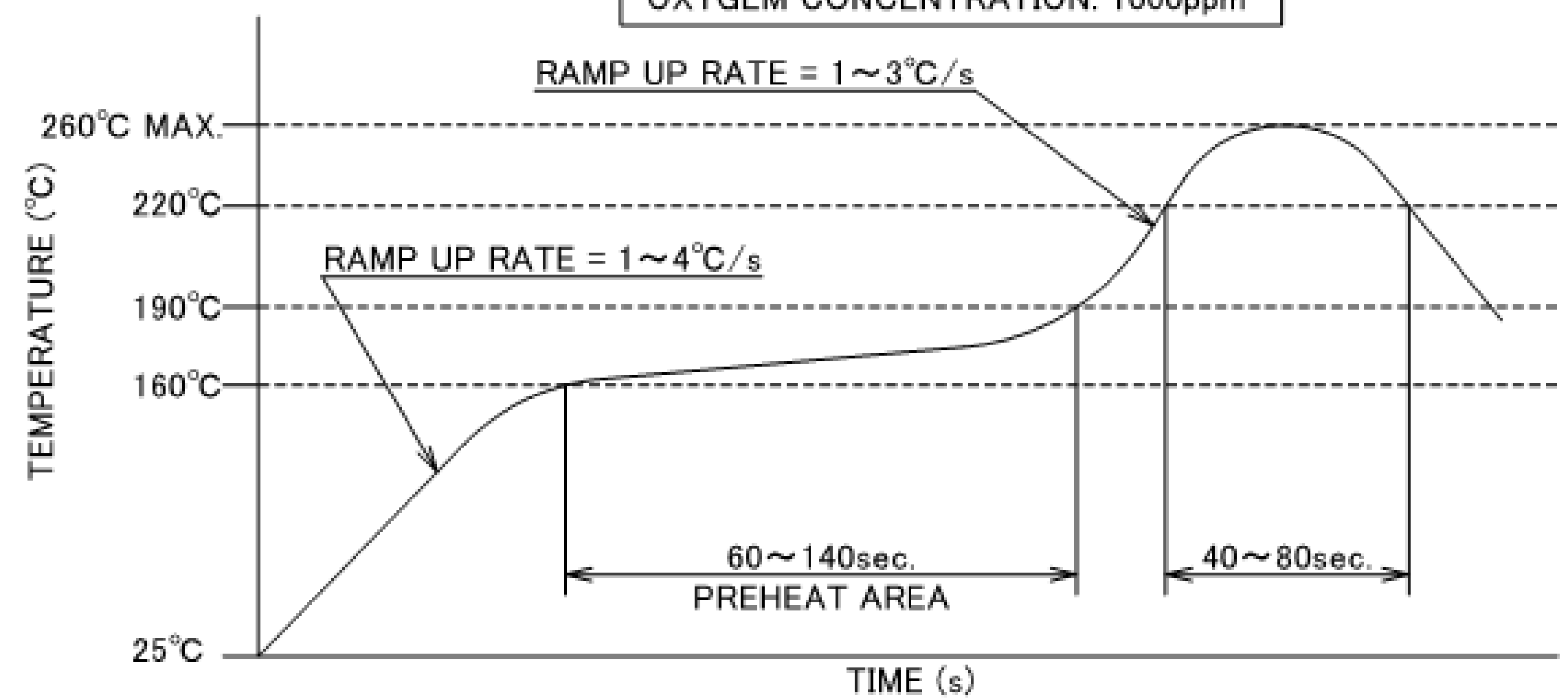
NOTES.
1. APPLICABLE CONNECTOR
AP-TSS10 (P/N: 3782-0002)

1	TERMINAL	BRASS	【CONTACT AREA, SMT AREA】 PLATING: Sn 1.0~5.5 μm OVER Ni 1.0~5.5 μm
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

Rev.1



OXYGEN CONCENTRATION: 1000ppm



REFLOW TEMPERATURE PROFILE
ARAKAWA CHEMICAL INDUSTRY CO., LTD. : PSP-V (Sn96.5 Ag3.0 Cu0.5)

Rev.1

AP-LT10

ITEMS	SPECIFICATION
RATING VOLTAGE	32A DC
OPERATING TEMPERATURE	233~398K(−40℃~+125℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 1.0mohm MAX. / AFTER TEST : 1.0mohm MAX.
SCREW TIGHTENING TORQUE	0.75~0.93 Nm(REFERENCE)
PRODUCT SPECIFICATION	PRS-2845
TEST REPORT	TR-23036
PACKING STANDARD	PST-23064
APPEARANCE CRITERIA No.	QLS-A***

Rev.1

Custom Connectors Available

 RF
Connectors

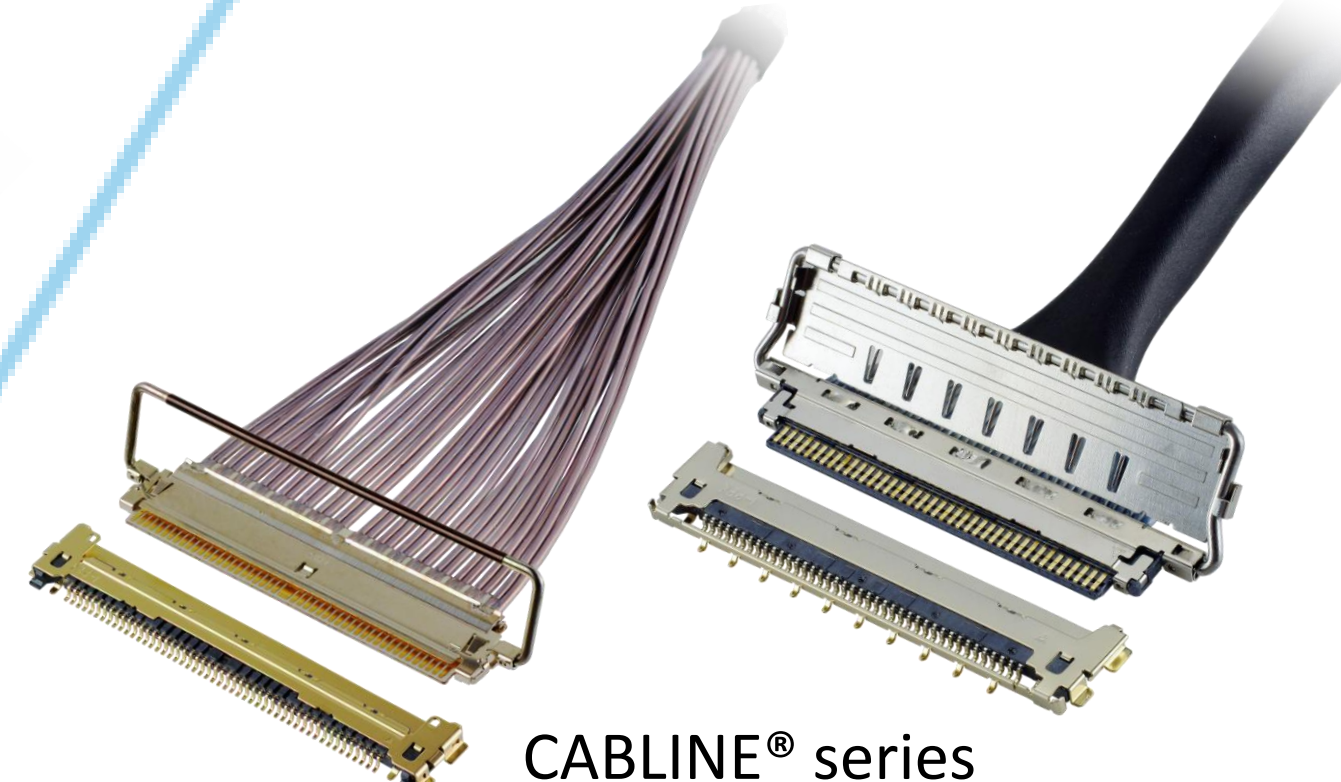
MHF® series



CABLINE® series



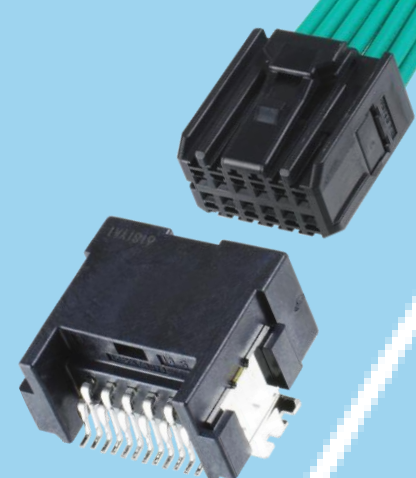
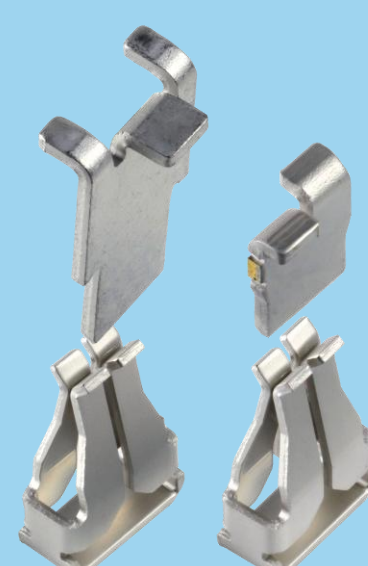
Micro-Coaxial/Twinaxial
Connectors



Wire-to-Board
Connectors/
Terminals

AP series

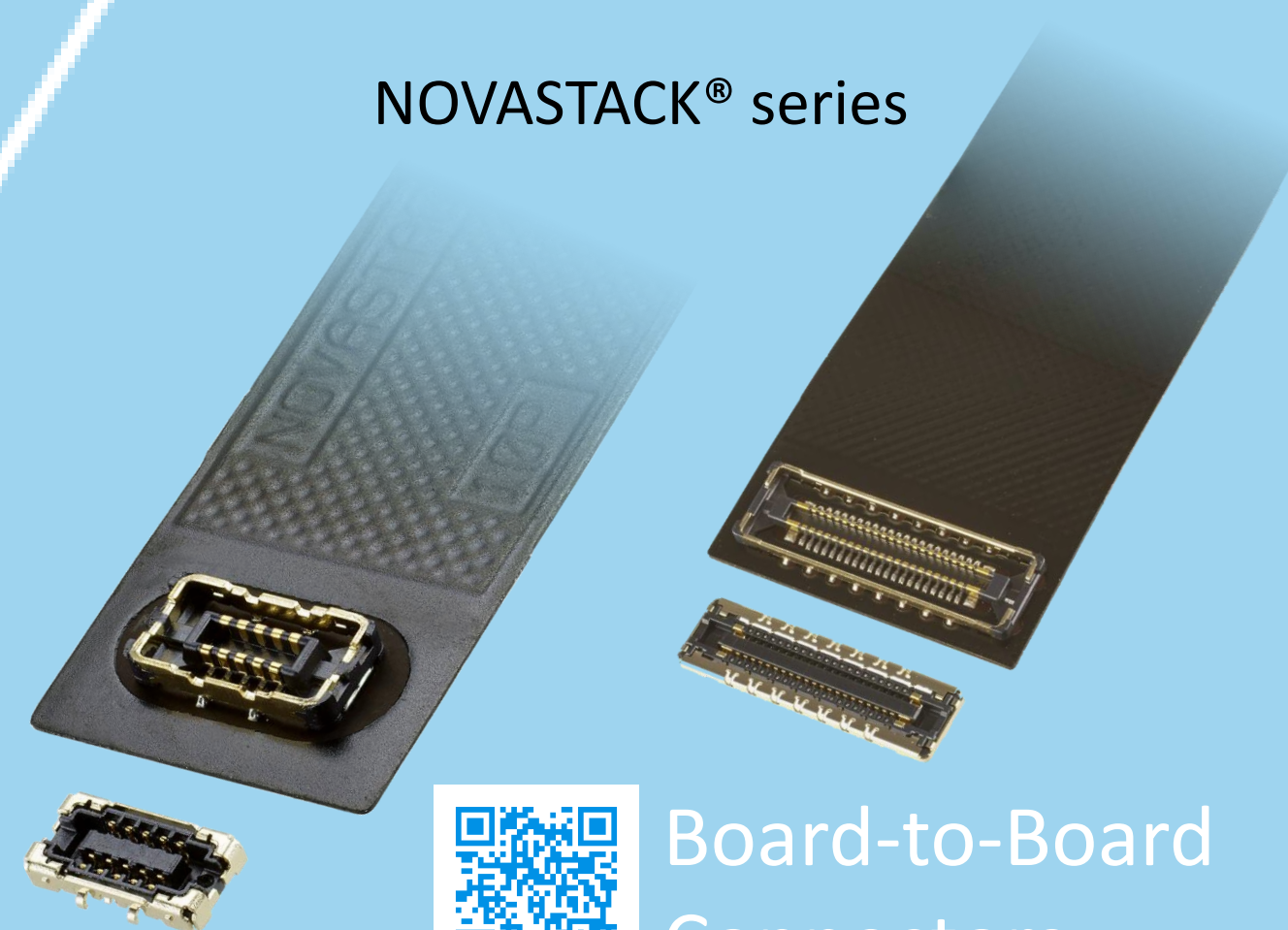
ISH® series



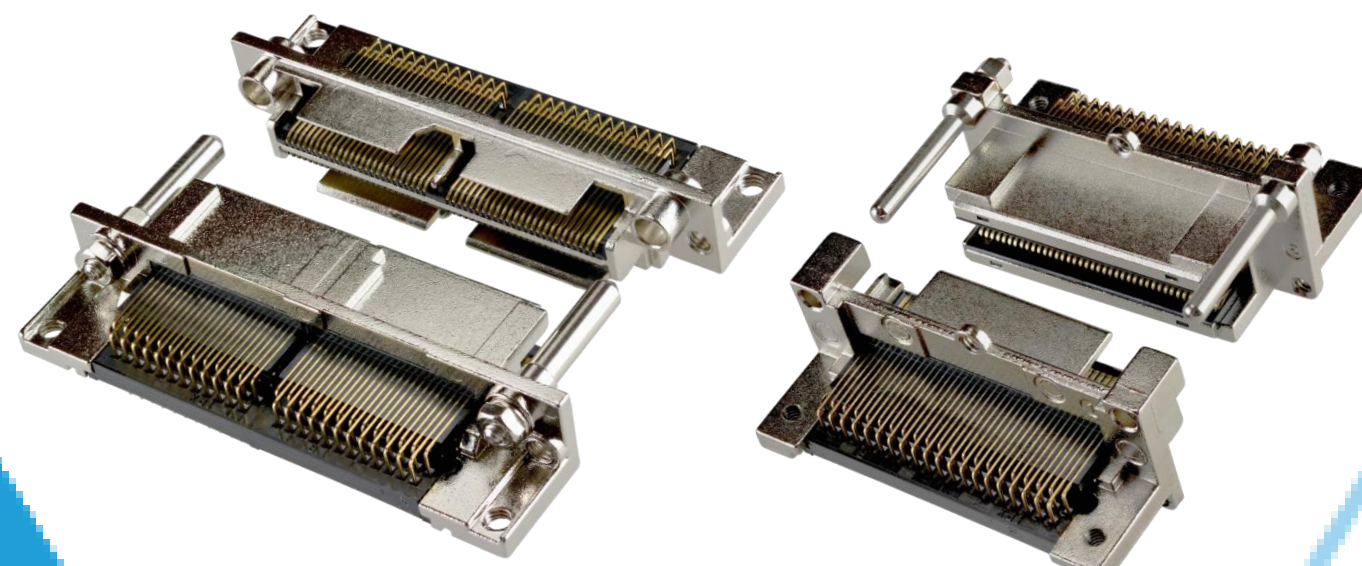
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



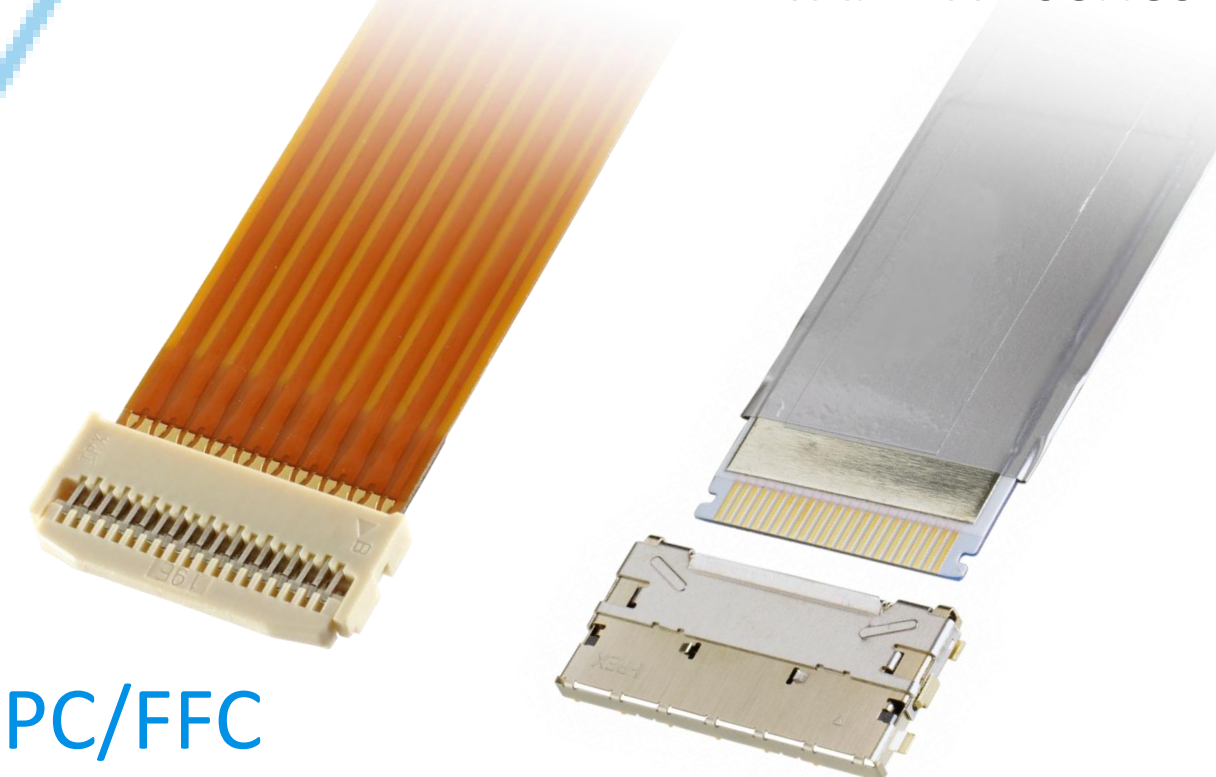
MINIDOCK™ series

MINIFLEX® series

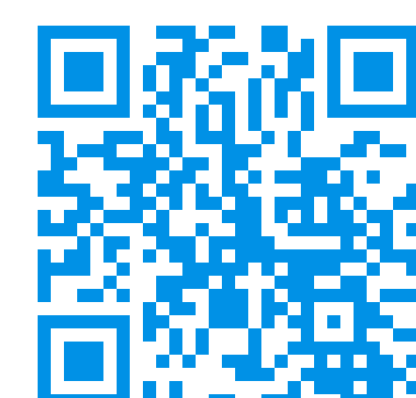
EVAFLEX® series



FPC/FFC
Connectors



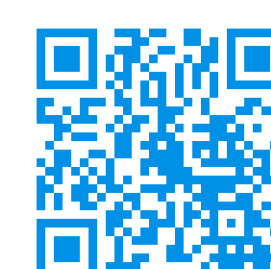
Inquiry



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