

AP-TSS10, AP-LT10

大電流(32A)、高温対応(125℃) スペーサー/電源端子、PCB SMT端子をSMTとM3(8.00mm) ネジにて簡単接続

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)	φ7.00 ± 0.10 mm (AP-TSS10) φ8.20 ± 0.10 mm (APLT-10)
Mating Type		Vertical (M3 thread screw)
Plating Type		Sn / Ni plating
Packing standard		EMBOSS

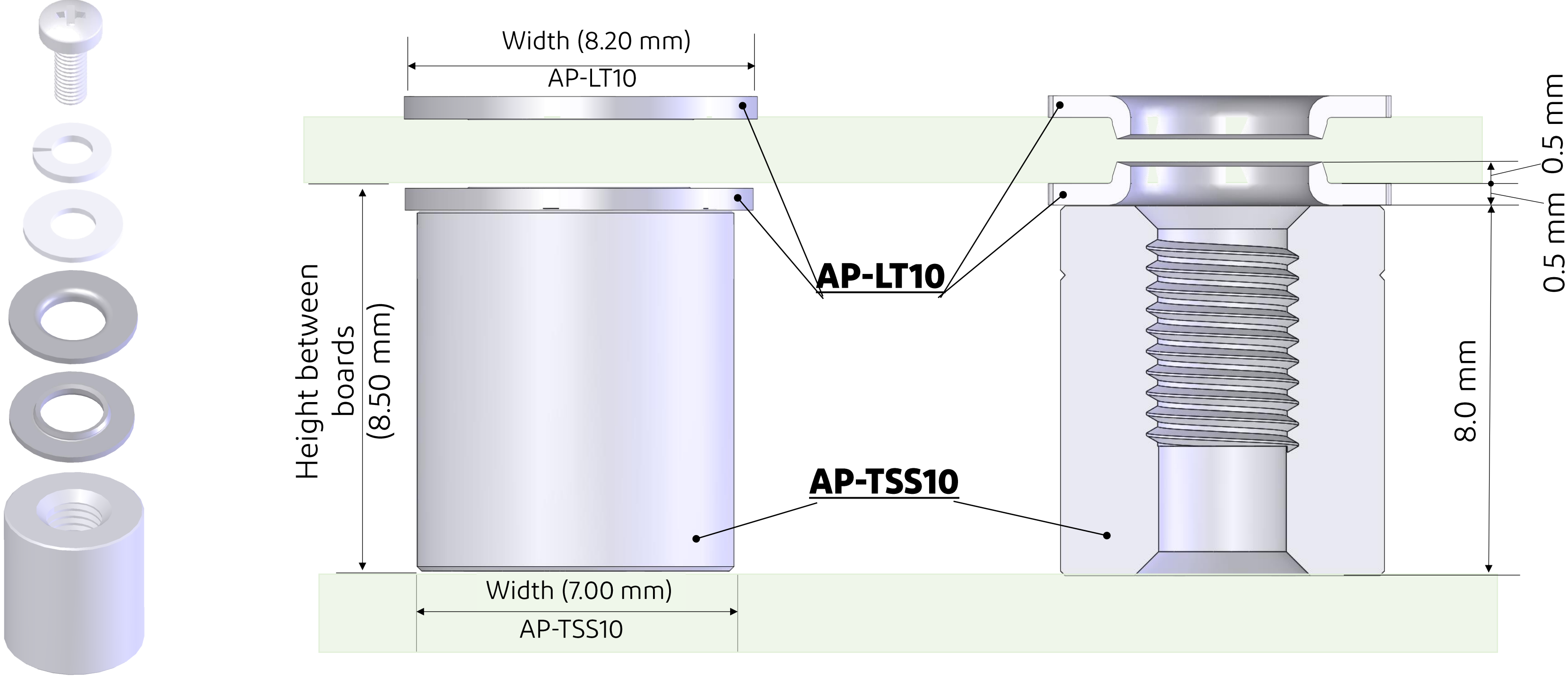
* 高さ範囲、サイズ、電流アンペア数についてはお問い合わせください。

Product Specifications:

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



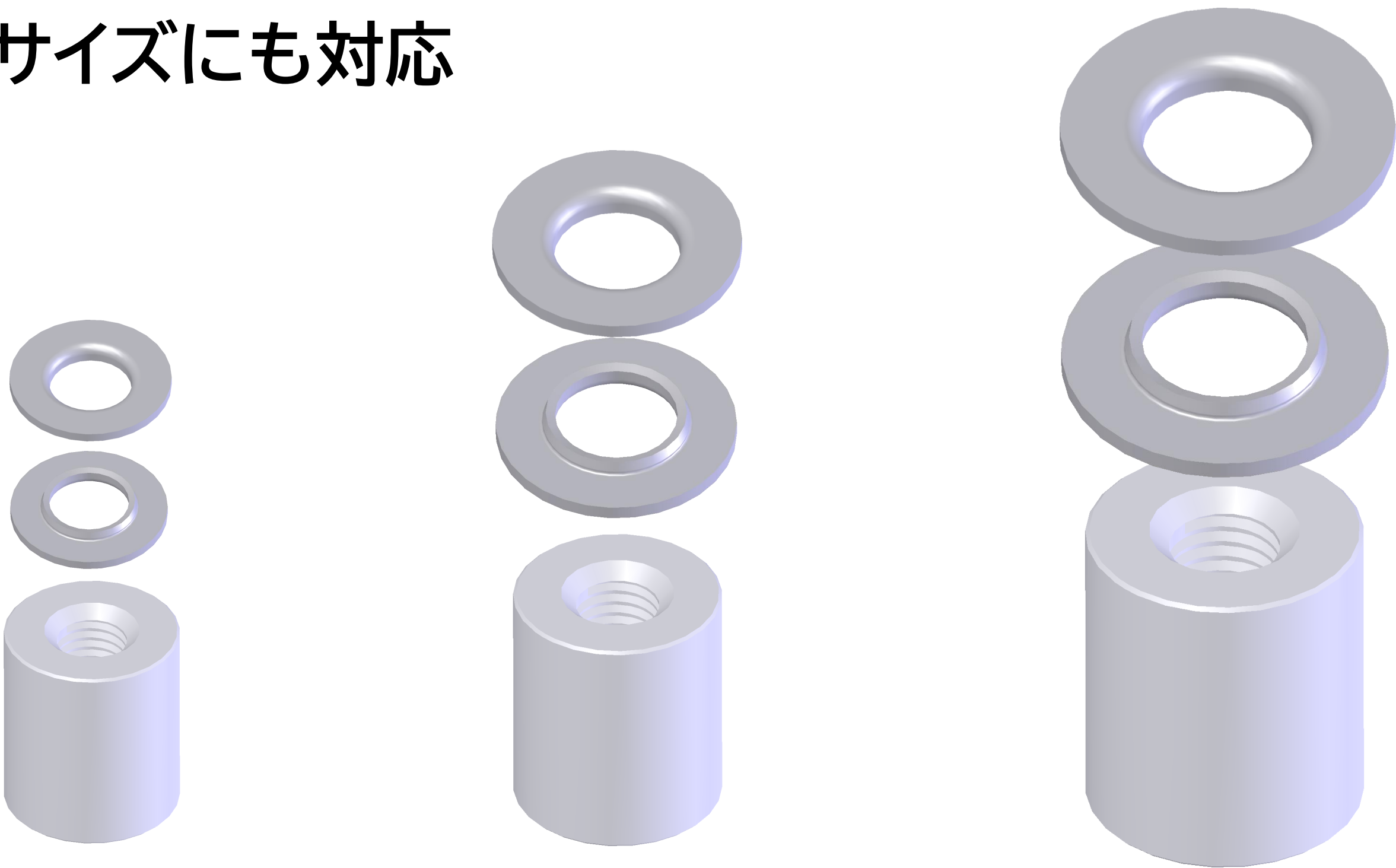
▶ 大電流 (32A)、高温対応 (125℃)、スペーサー/電源端子とPCB SMT端子



▶ コネクタの軽量化により、逆さ実装に対応し、柔軟なSMT設計に貢献

項目	材料構成	1回目リフロー実装	2回目逆さ実装
黄銅材	母材 黄銅：比重8.5 下地メッキ ニッケル メッキ 錫		
アルミ材	母材 アルミ：比重2.8 下地メッキ ニッケル メッキ 錫 比重約 67%Down		

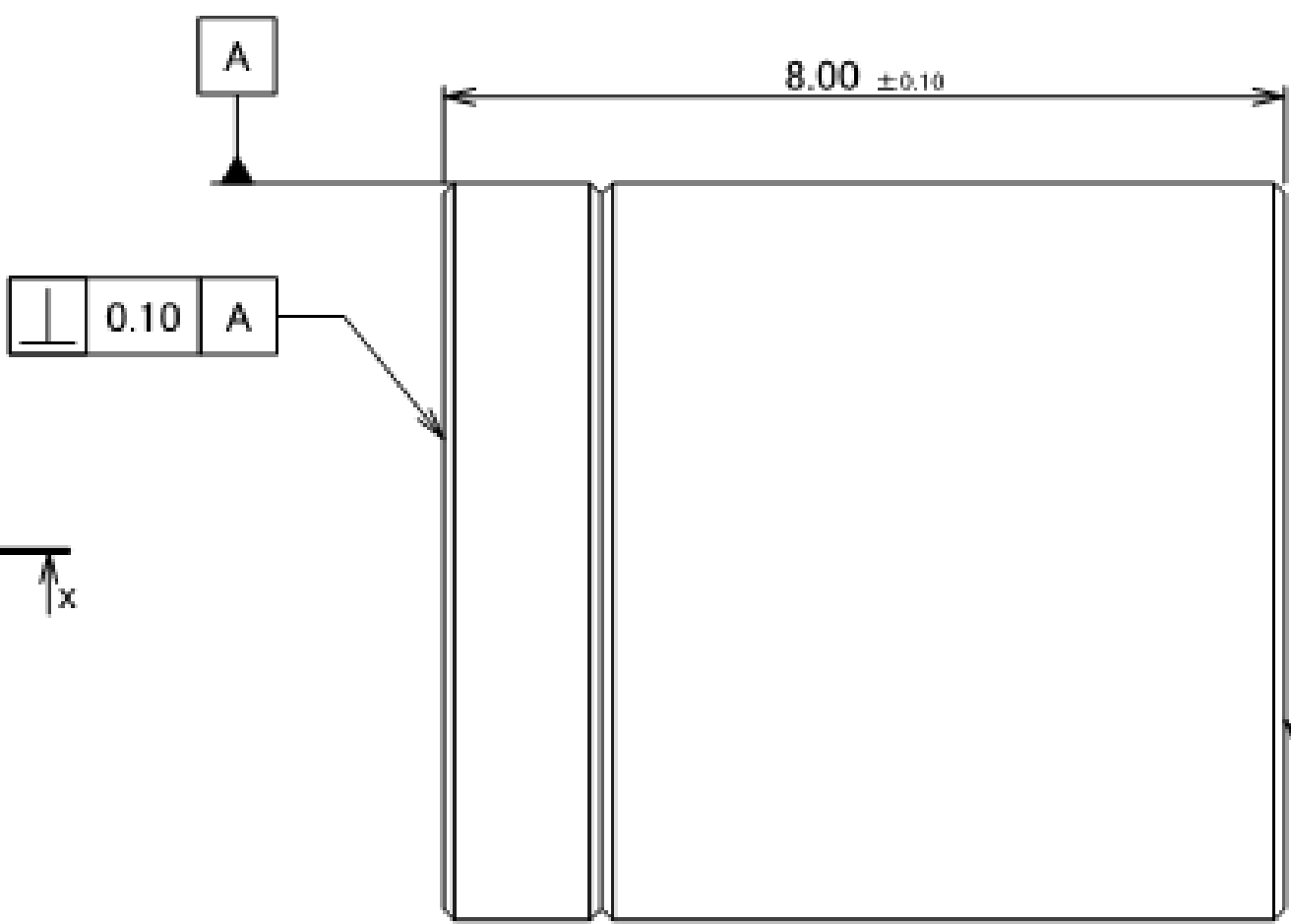
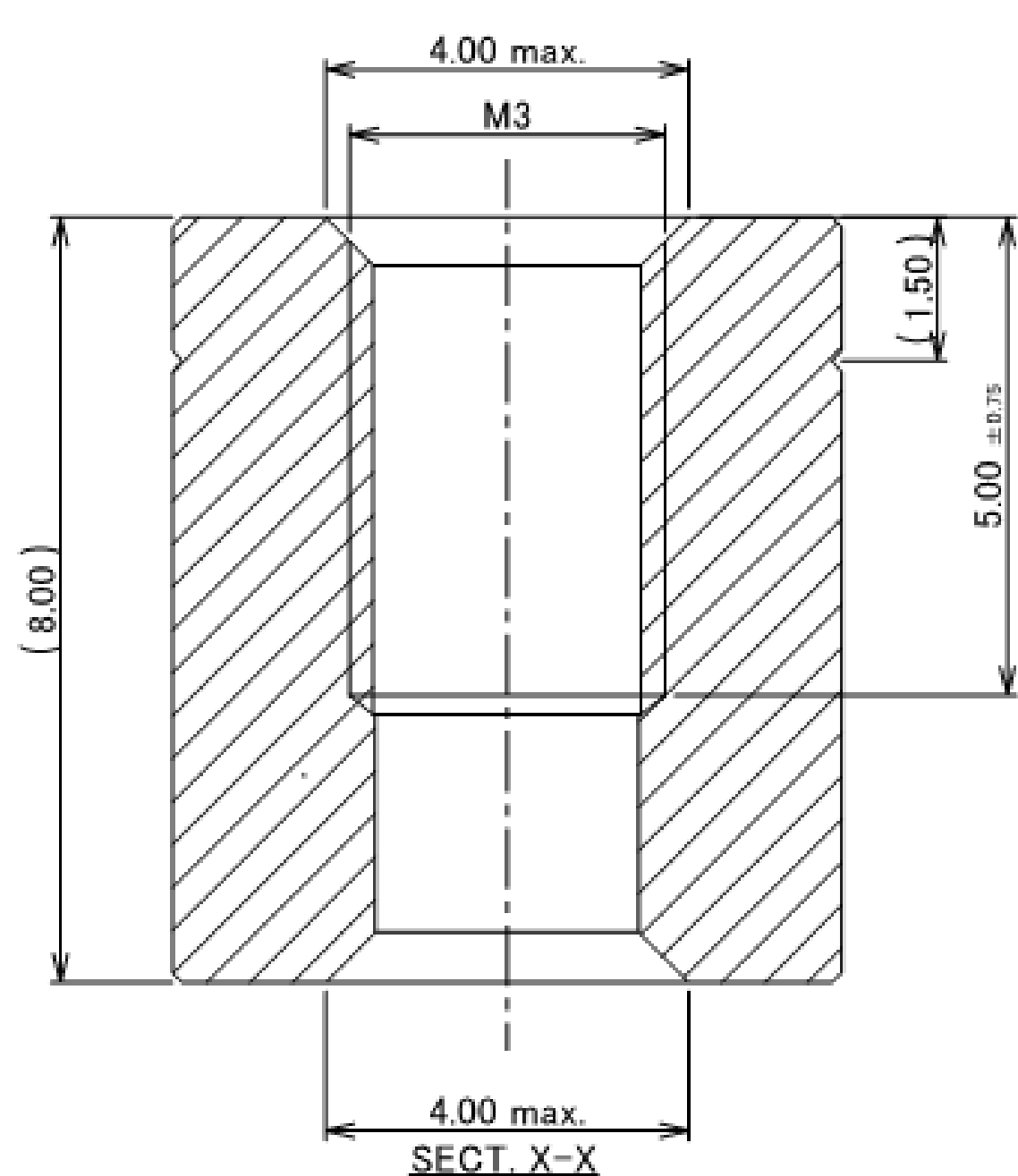
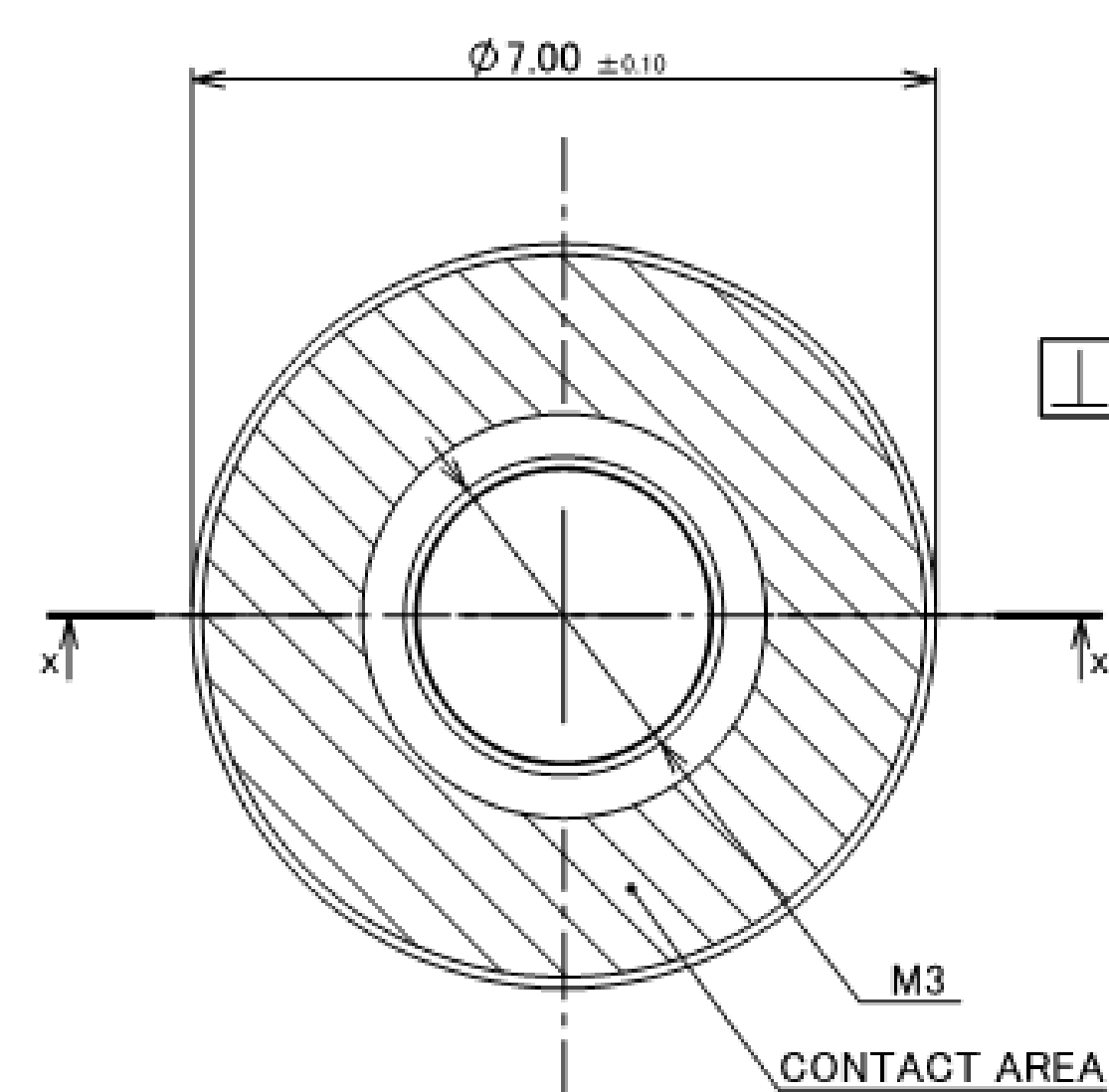
▶ ご要望に応じて特別サイズにも対応



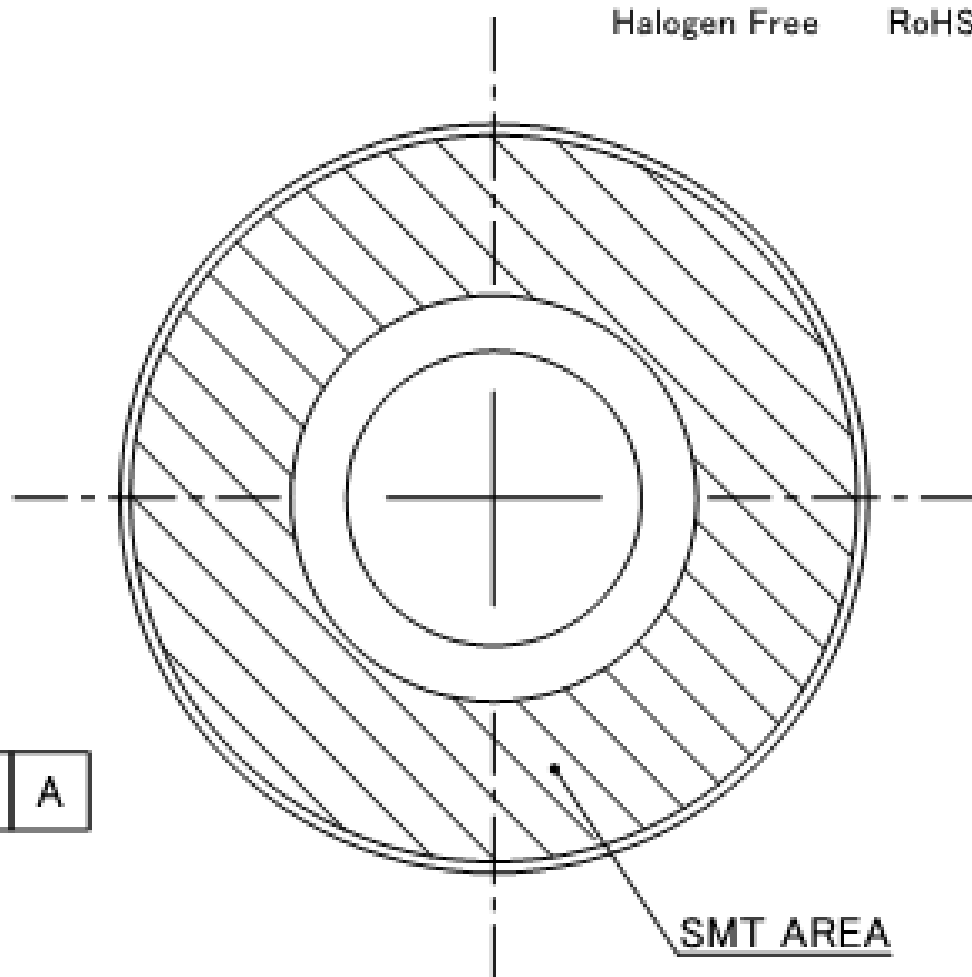
Component Parts Details

AP-TSS10

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



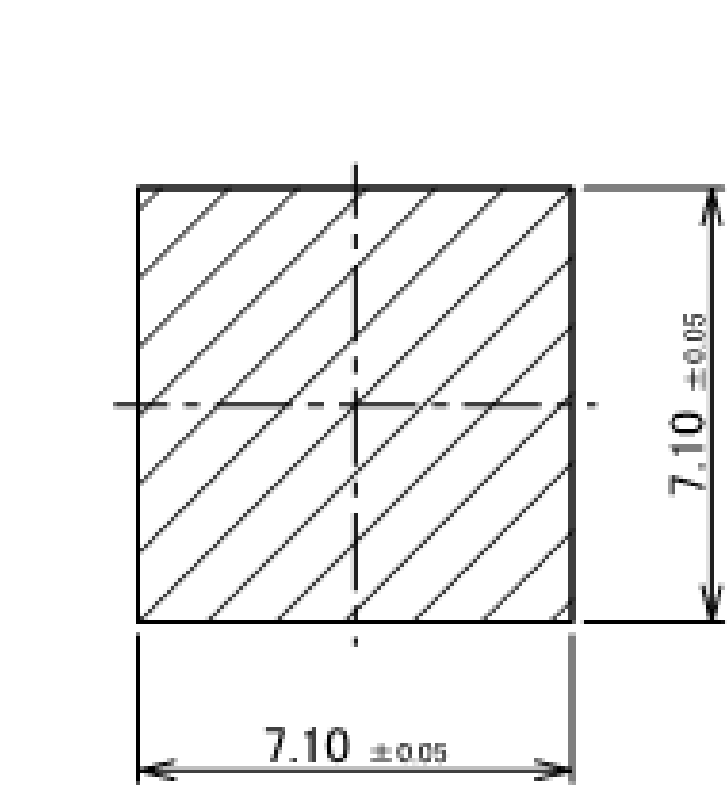
IATF 16949 Certified



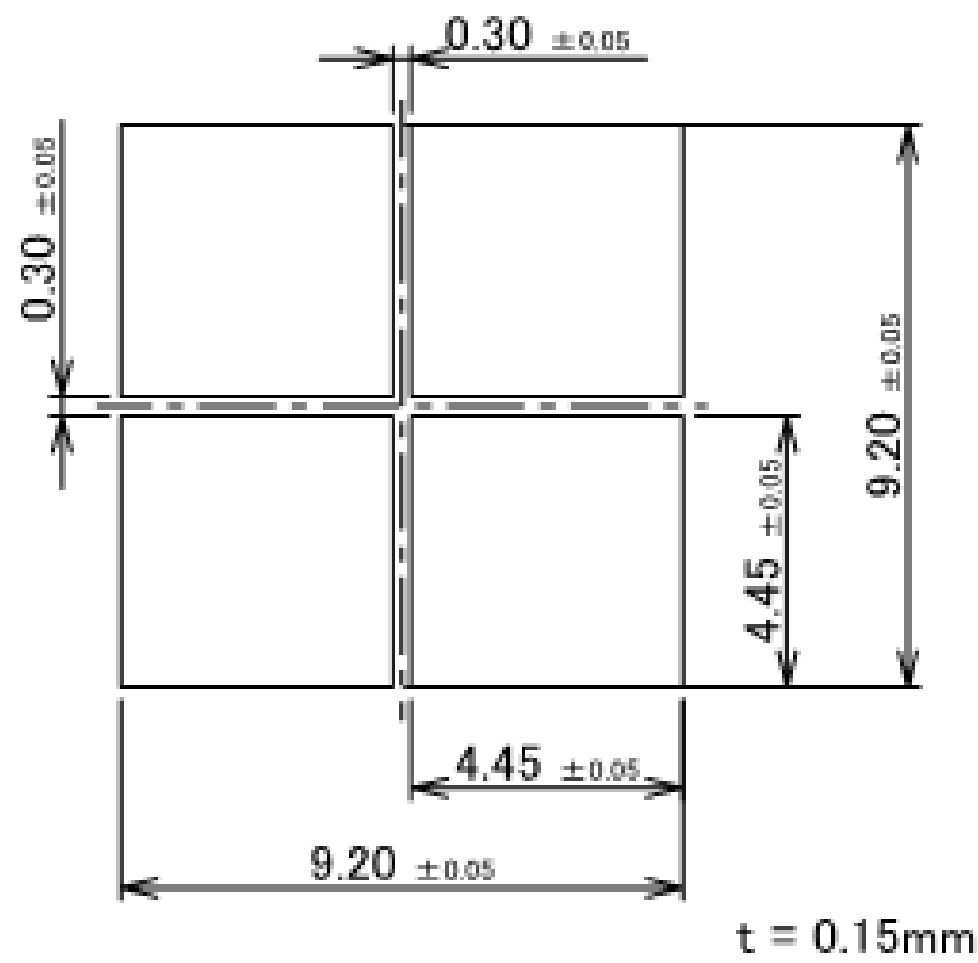
NOTES.
1. APPLICABLE CONNECTOR
AP-LT10 (P/N: 3571-0081-04T)

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

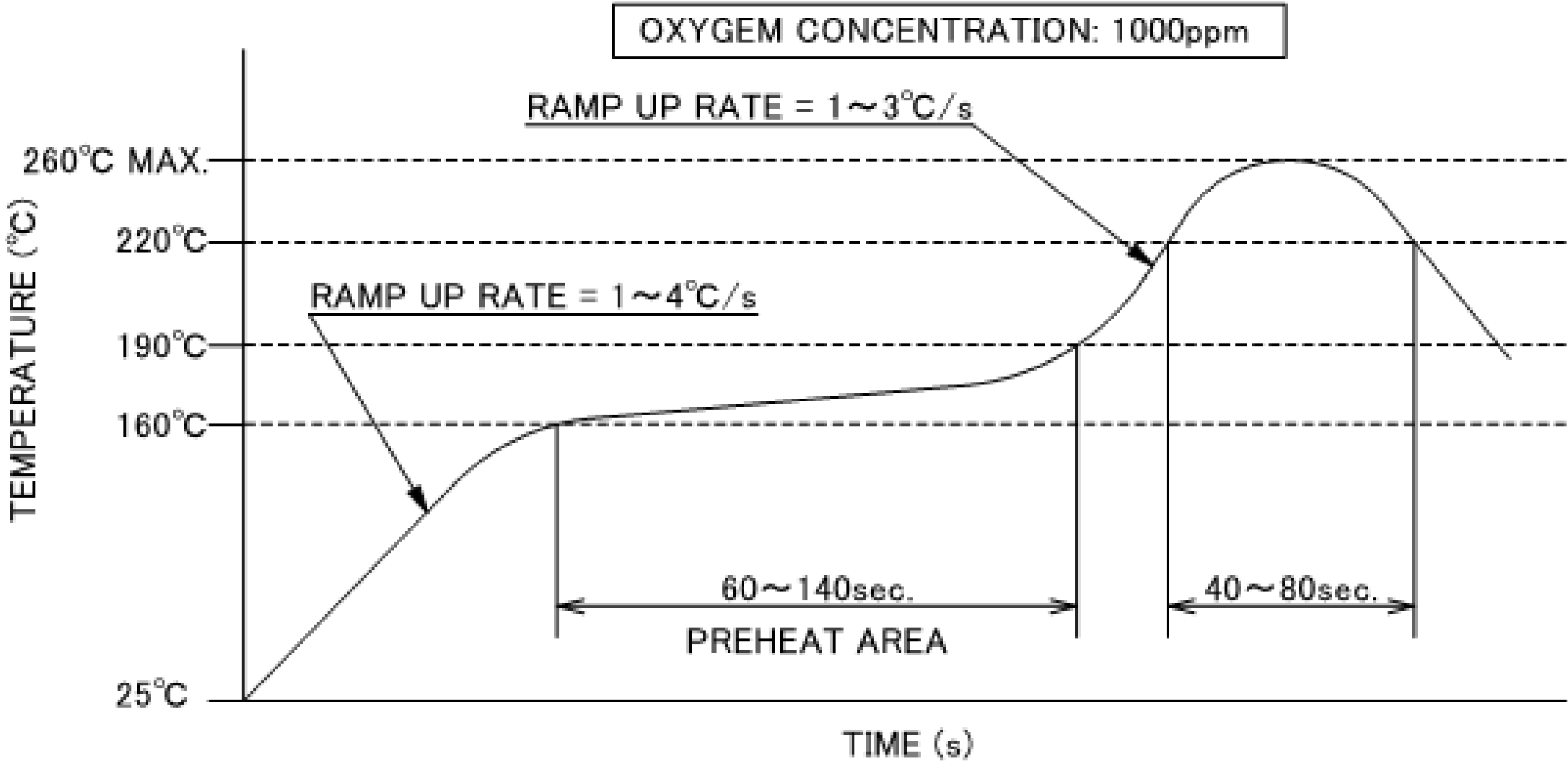
AP-TSS10



RECOMMENDED PCB LAYOUT



RECOMMENDED METAL MASK LAYOUT



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

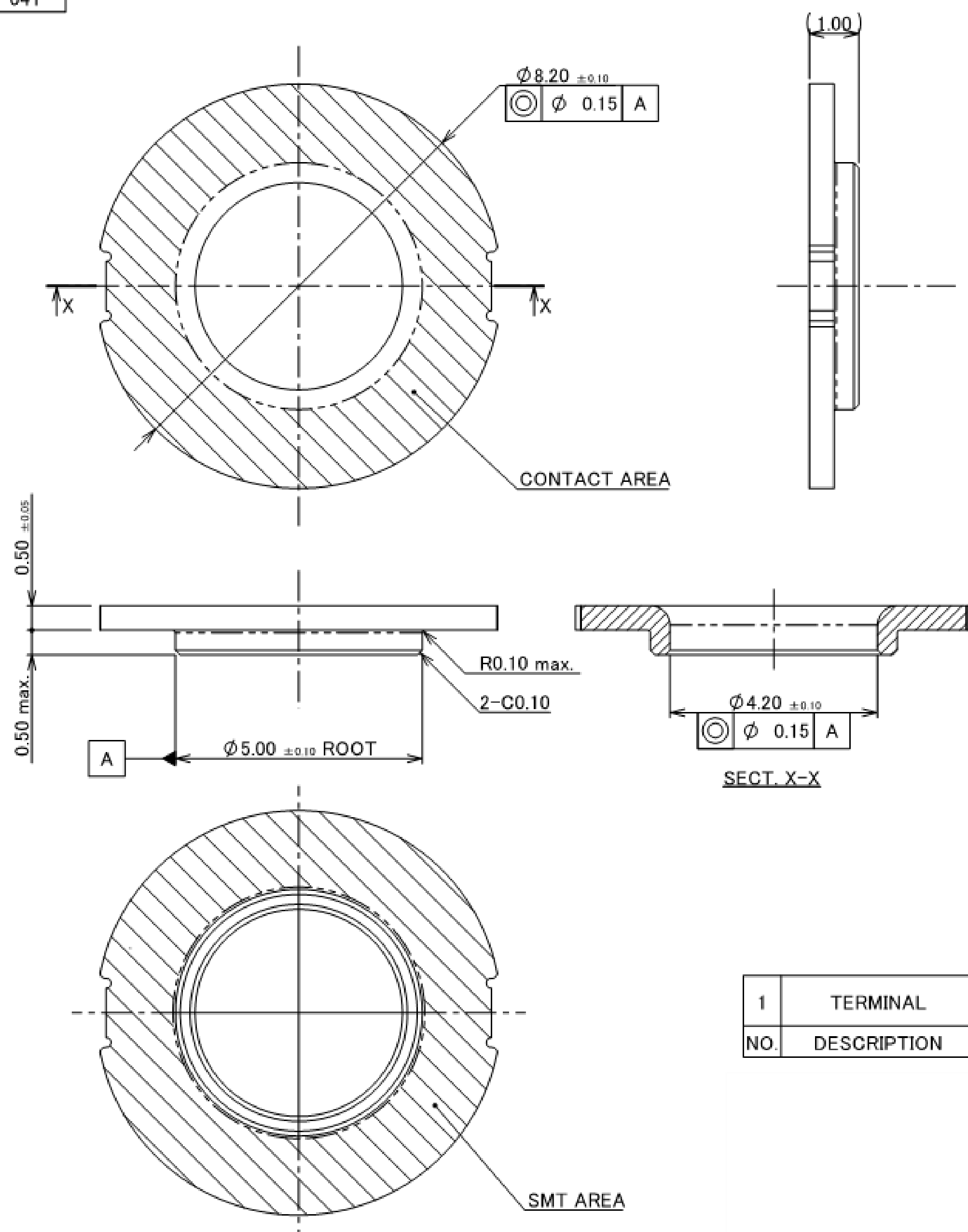
Rev.2

ITEMS	SPECIFICATION
RATING VOLTAGE	32A DC
OPERATING TEMPERATURE	233~398K(-40°C~+125°C)
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



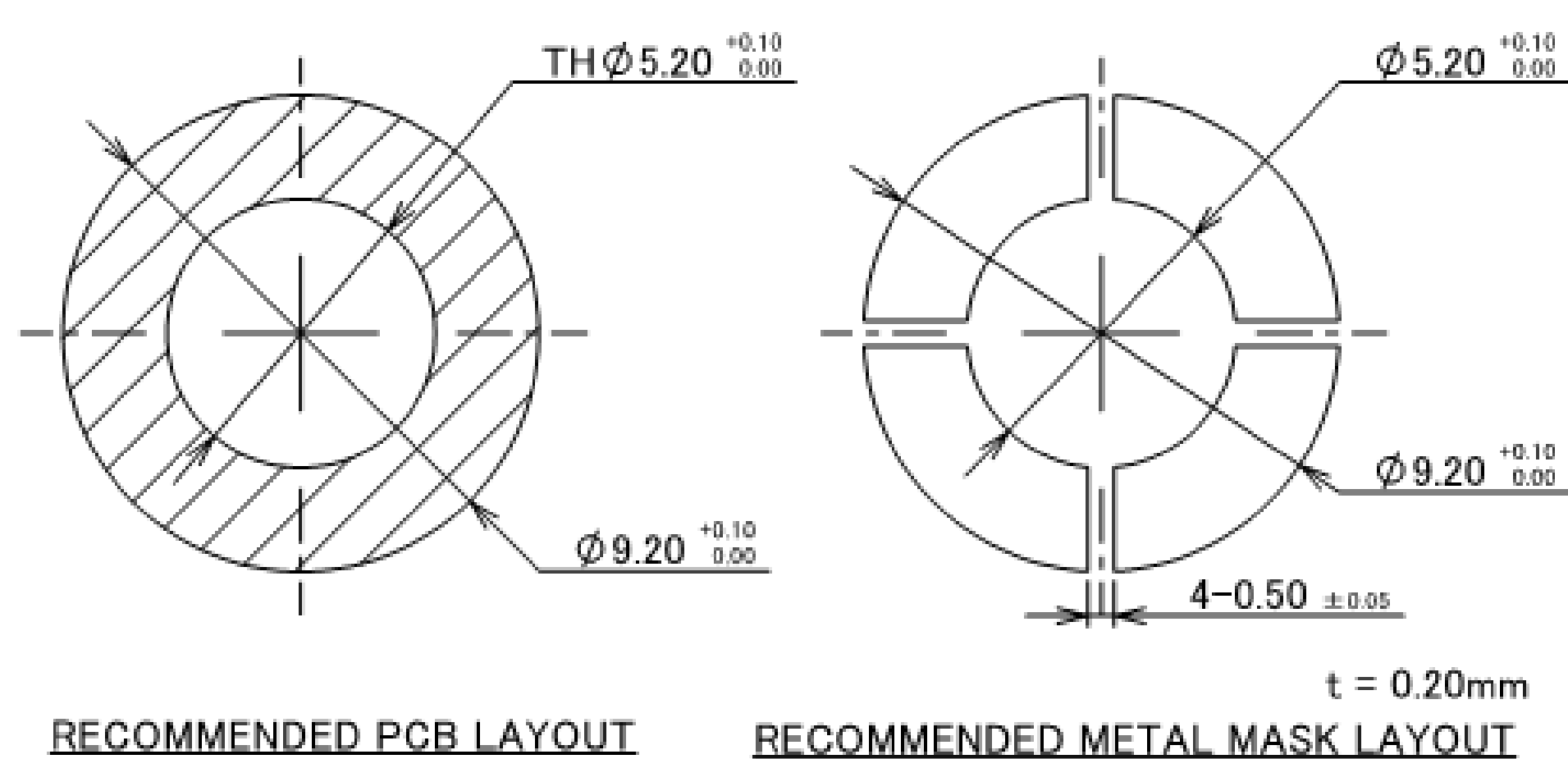
Halogen Free

RoHS Compliant

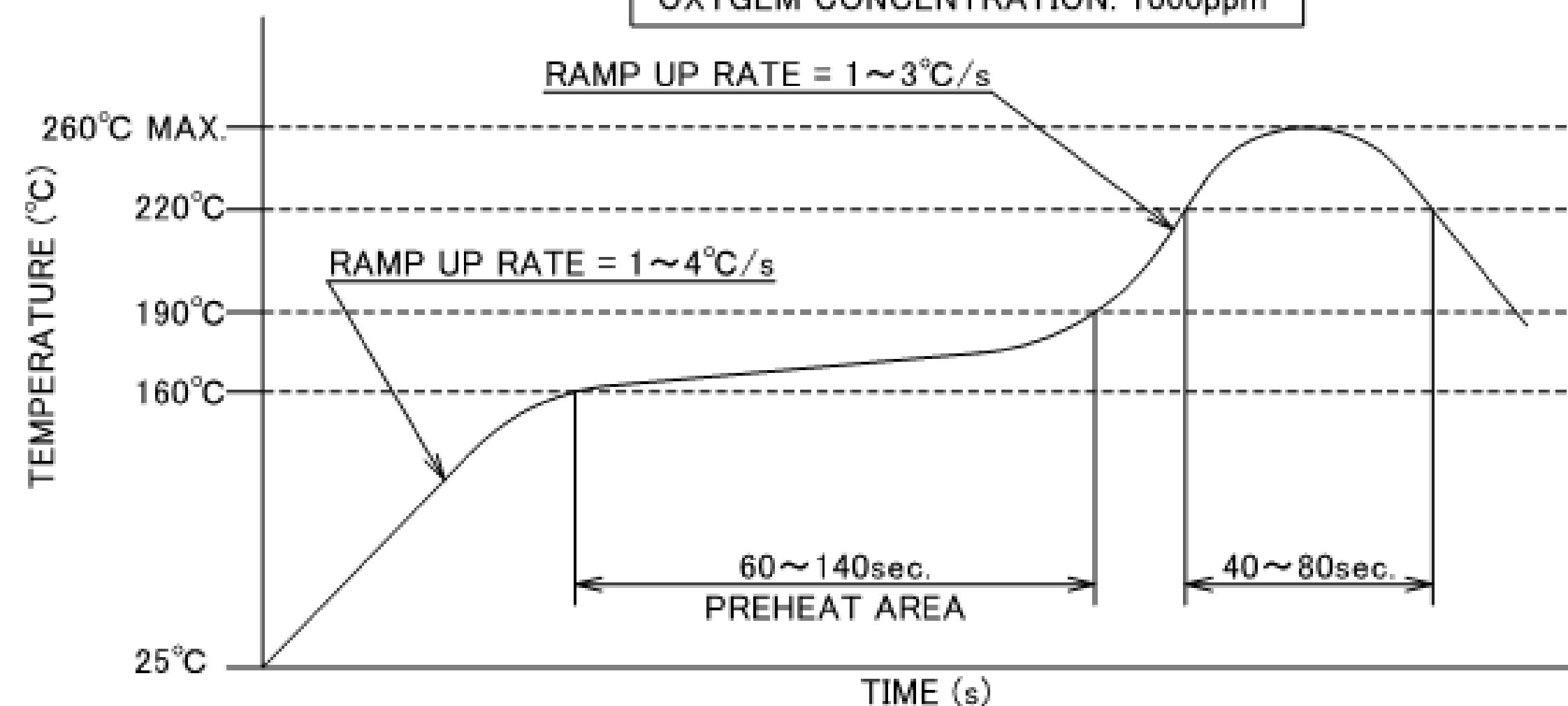
NOTES.
1. APPLICABLE CONNECTOR
AP-TSS10 (P/N: 3782-0002)

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



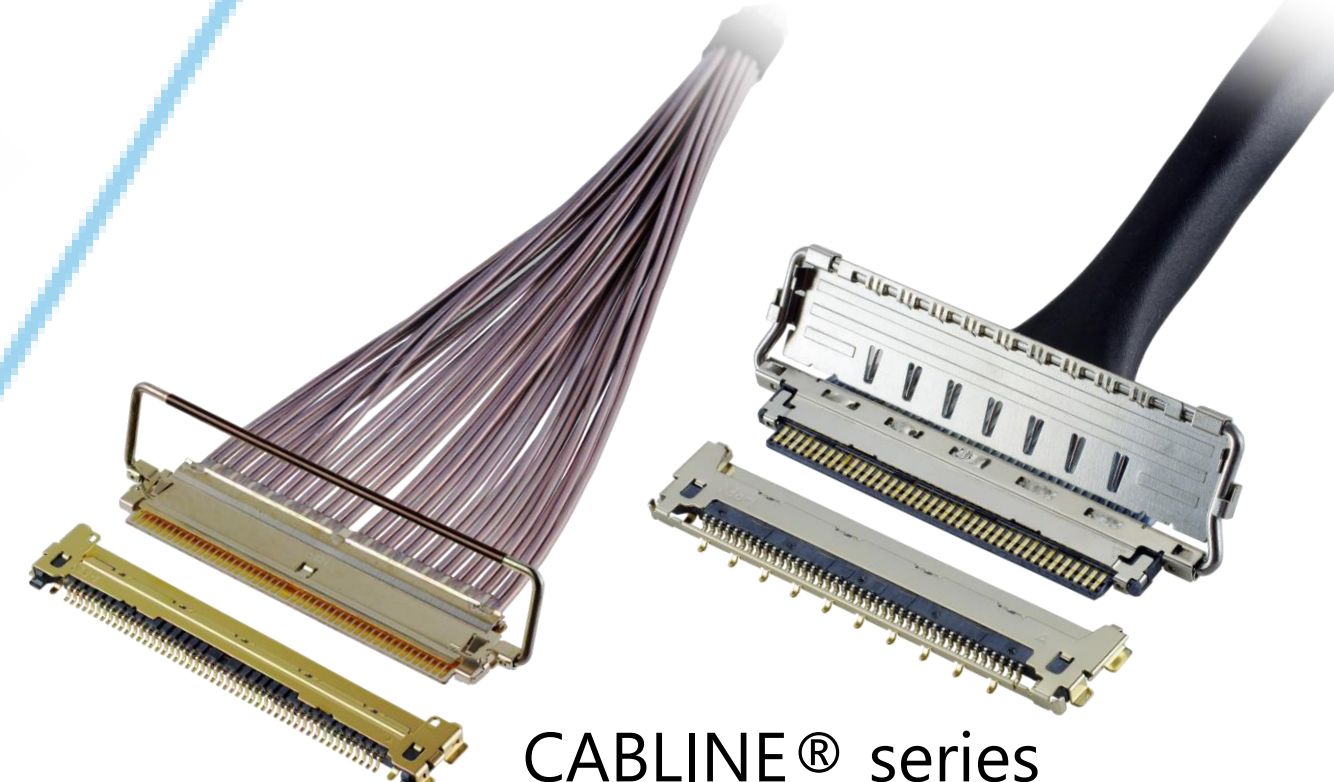
RF Connectors

MHF® series



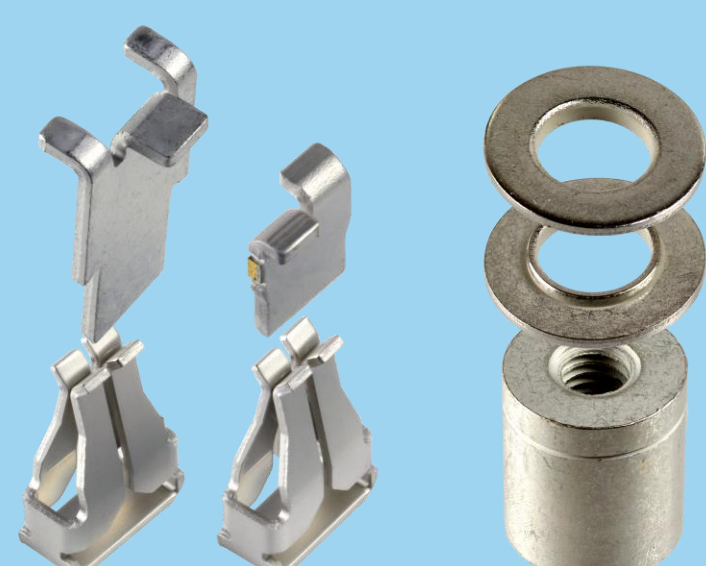
Micro-Coaxial/Twinaxial Connectors

CABLINE® series



Wire-to-Board Connectors/ Terminals

AP series

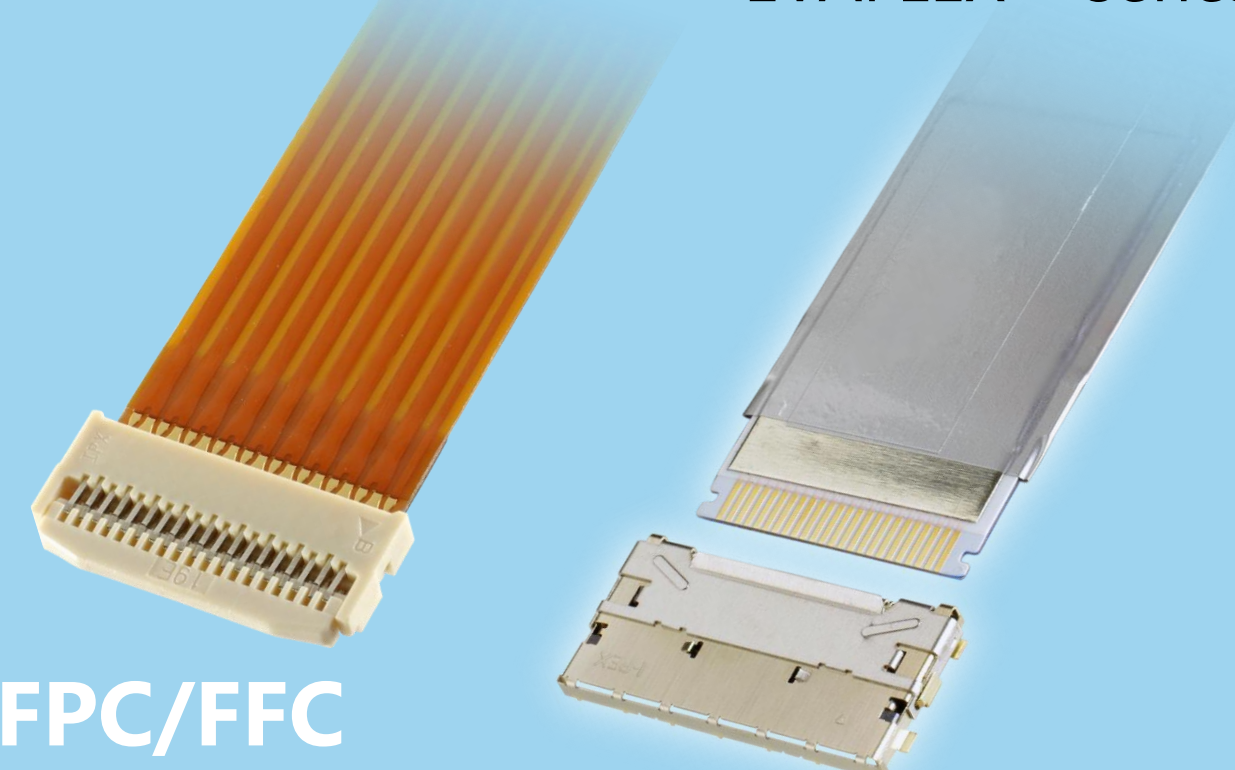


ISH® series



FPC/FFC Connectors

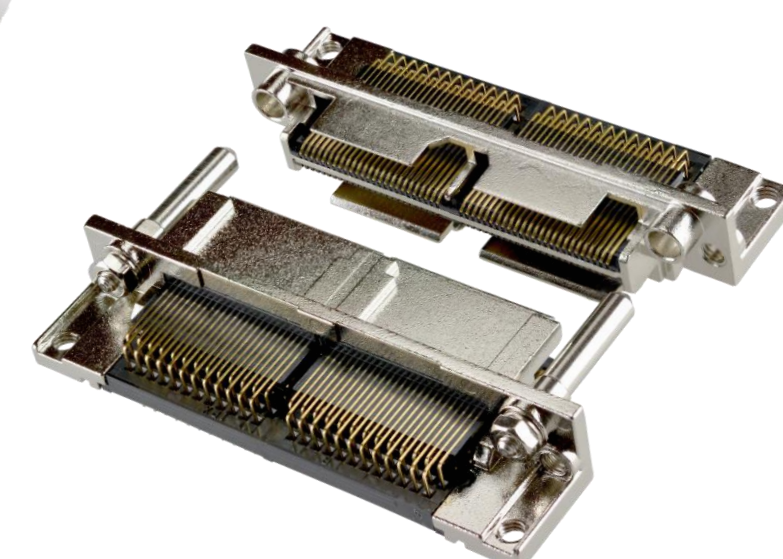
MINIFLEX® series EVAFLEX® series



NOVASTACK® series



MINIDOCK™ series



Board-to-Board Connectors



Inquiry



I-PEX, MHF, CABLINE, NOVASTACK, ISH, IARPB, MINIFLEX, EVAFLEX, MINIDOCK, i-Fit and ZenShield are registered trademarks of I-PEX Inc. Please note that the contents in the catalog might be changed without prior notification. I-PEX Inc. assumes no responsibility for any inaccuracies or obligation to update Information on these documents. Please be sure to read and understand the latest "Precautions for Use" and "Instruction Manual" before you use our products. We shall not be responsible for any defects, damages or troubles in case you use our products without following the precautions for use. Please feel free to contact our sales representatives when you use our products for any applications that require very high reliability and safety, or that relate to human life (ex. nuclear power control, aerospace, transportation, medical equipment, safety equipment etc.).

Contact your sales representative
or more detailed information.

www.i-pex.com



I-PEX

© I-PEX Inc. 2026
All rights reserved