

# 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 |             | 3782-0001 (AP-TSS10)       |
|                       |             | 3571-0081-02T (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                     |

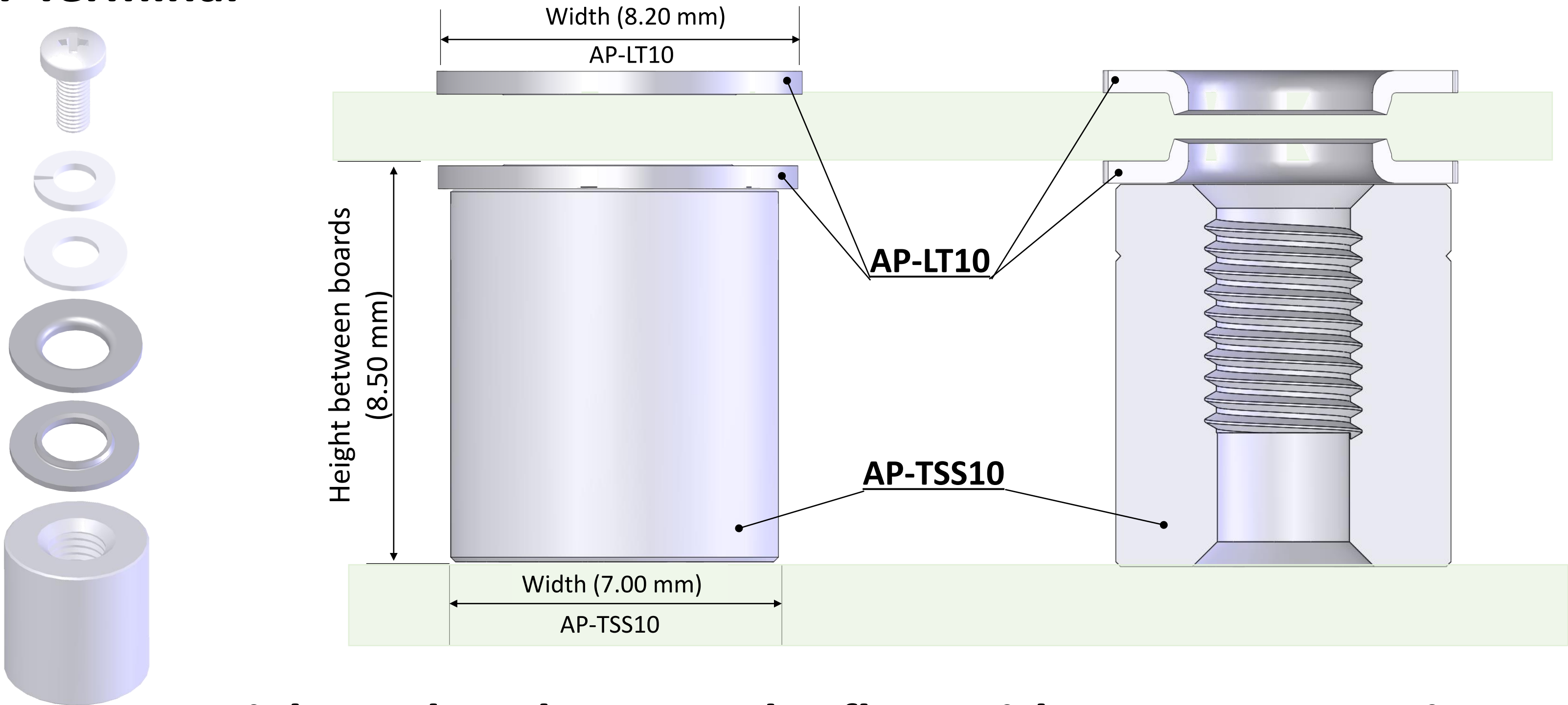
\* Please inquire for height range, size and current amperage.

Product Specifications:

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



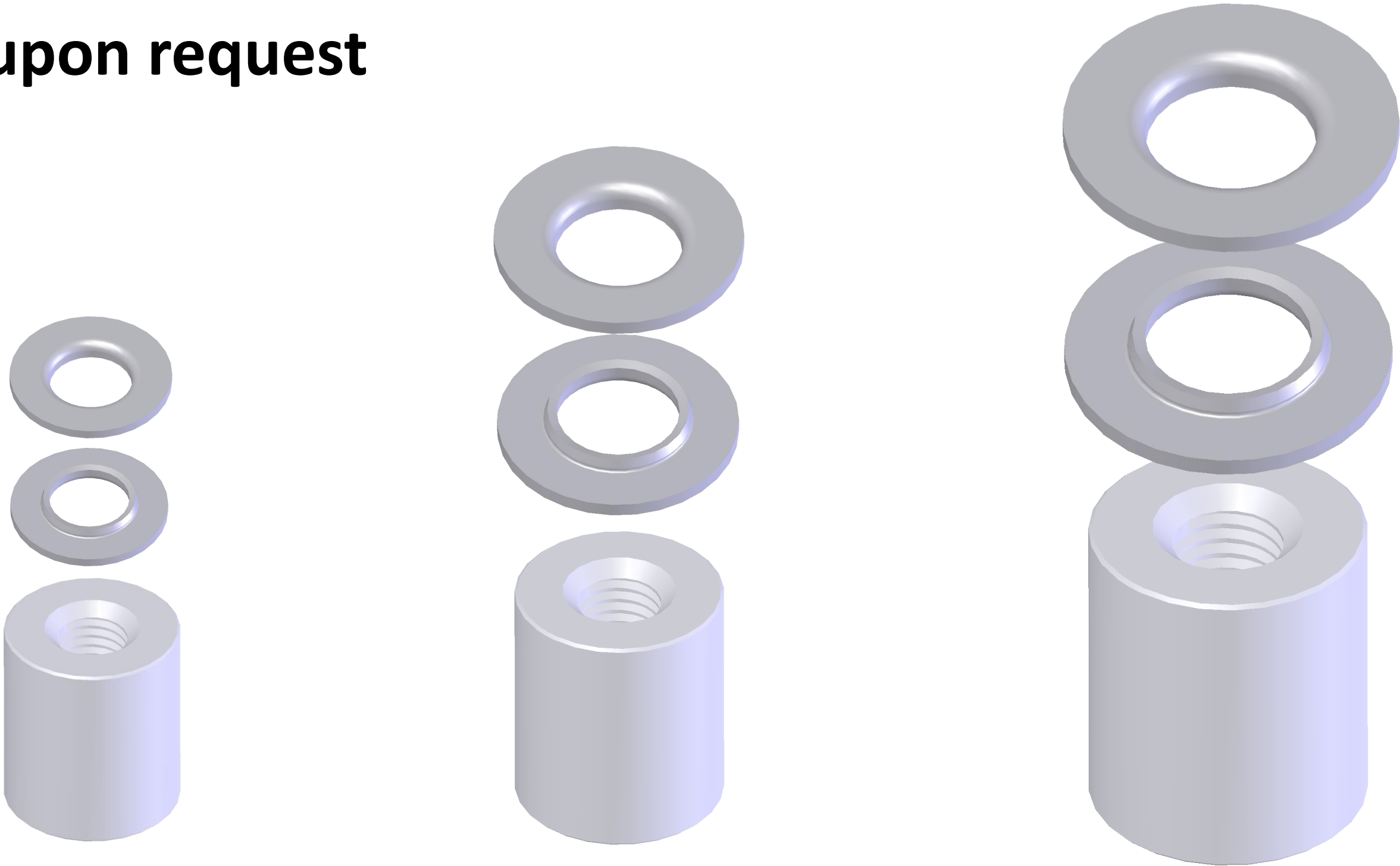
High current (32 A), high temperature (125 °C) Spacer/Power Terminal, and PCB SMT Terminal



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

|          | Connector structure                                                                                                                                             | 1 <sup>st</sup> mounted reflow | 2 <sup>nd</sup> reverse mounted reflow |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------|
| Brass    | <div>Unit : mg</div> <div>Material<br/>Brass : weight 8.5</div> <div>Layer plating<br/>Nickel</div> <div>Over Plating<br/>Tin-Plating</div>                     |                                |                                        |
| Aluminum | <div>Material<br/>Aluminum : weight 2.8</div> <div>Layer plating<br/>Nickel</div> <div>Over Plating<br/>Tin-Plating</div> <div>Weight ratio:<br/>67% down</div> |                                |                                        |

Special size available upon request



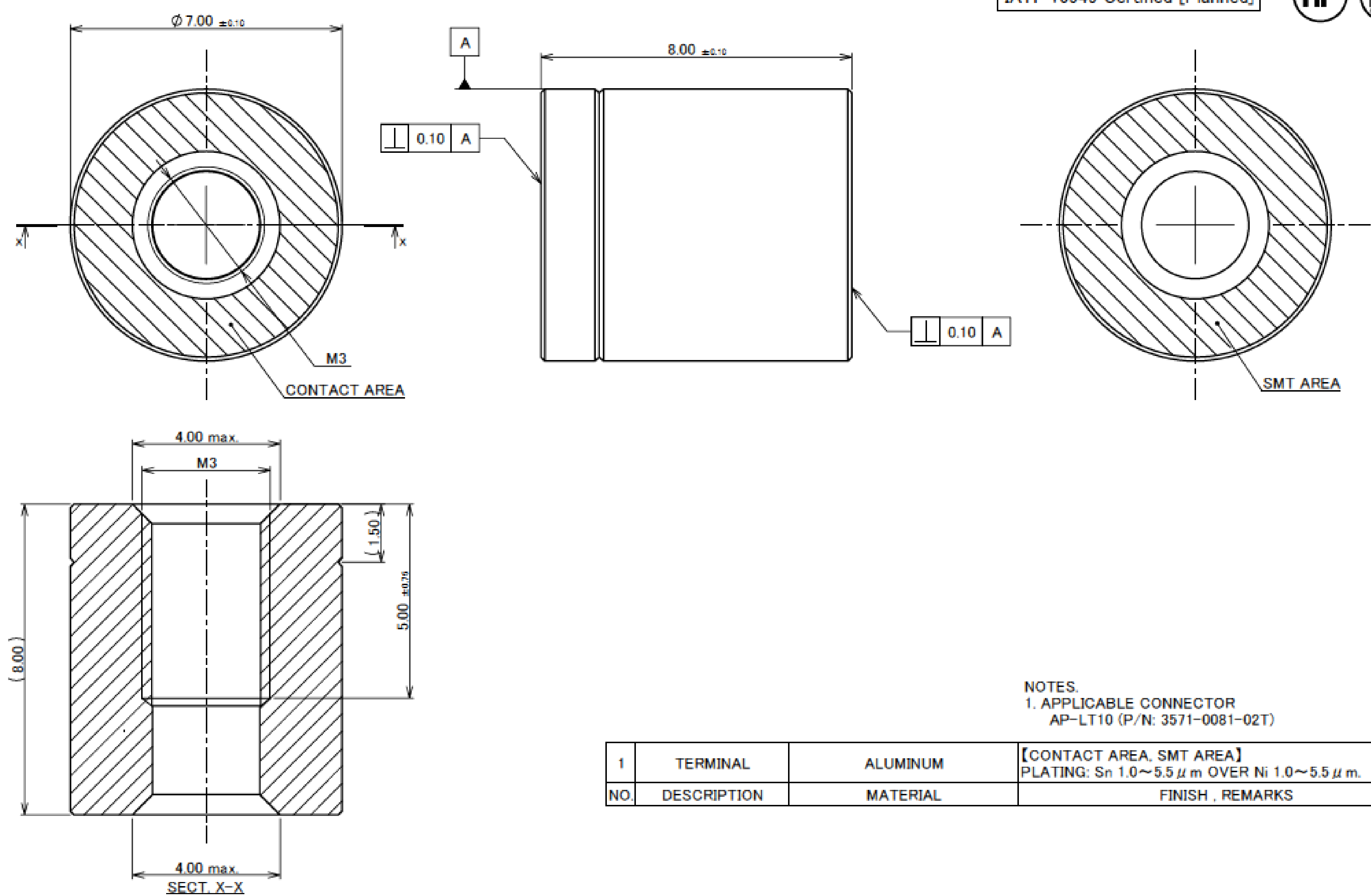
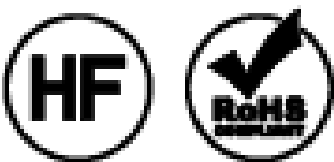


# Component Parts Details

## AP-TSS10

|                 |           |
|-----------------|-----------|
| Recommended P/N | 3782-0001 |
| PART No.        | 3782-0001 |

IATF 16949 Certified [Planned]

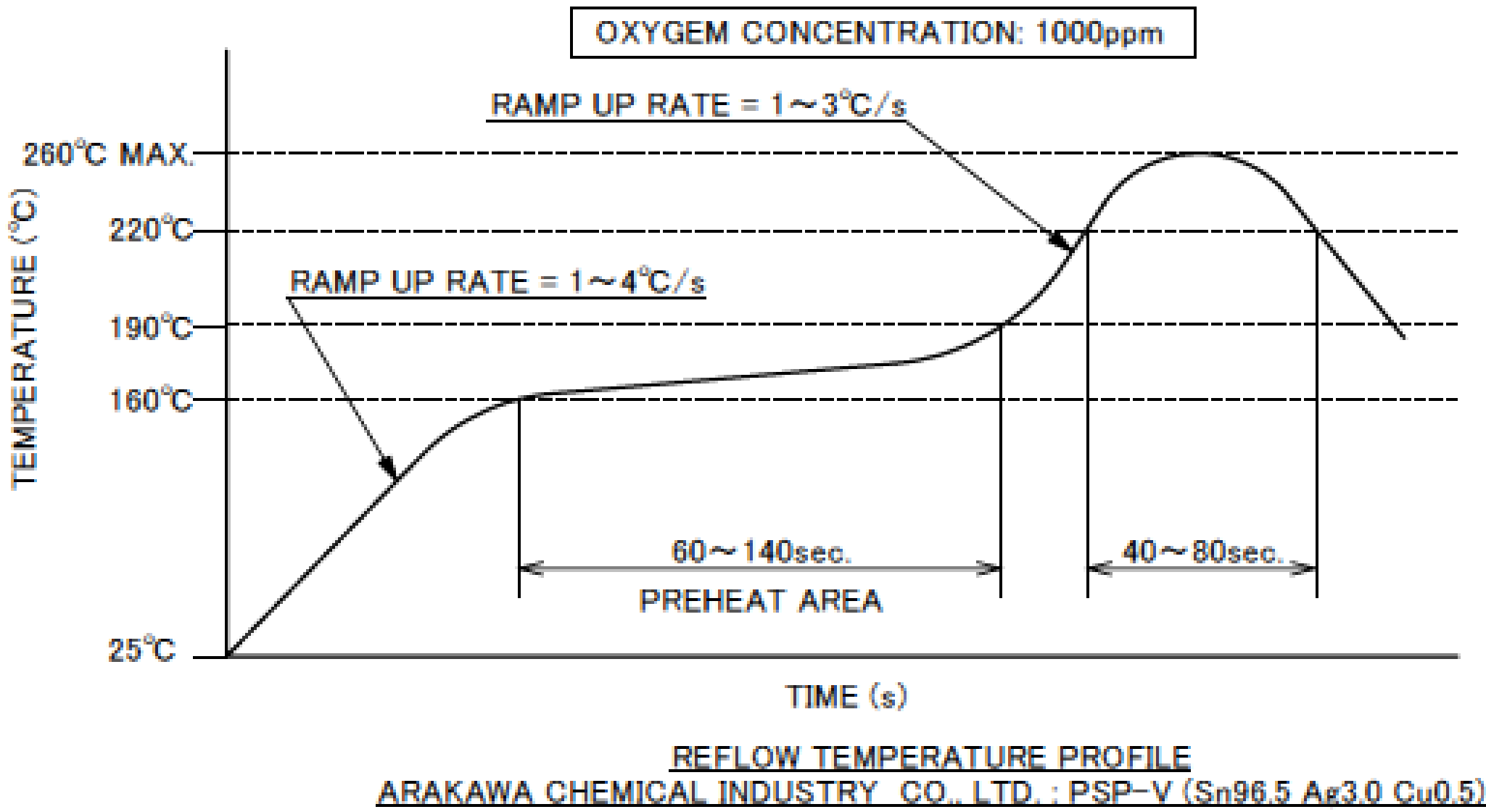
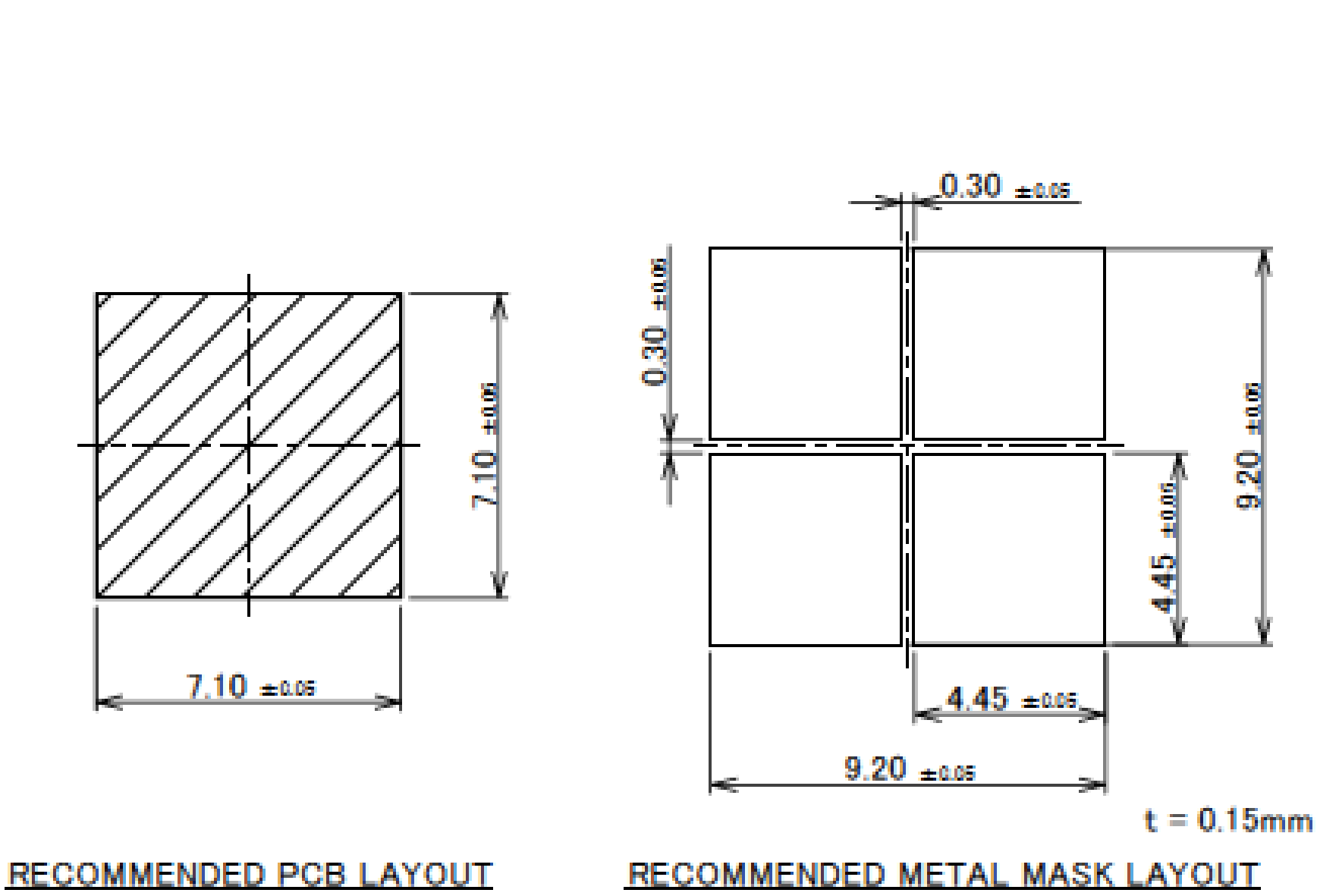


NOTES.  
1. APPLICABLE CONNECTOR  
AP-LT10 (P/N: 3571-0081-02T)

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



AP-TSS10



Rev.1

| 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***                                           |

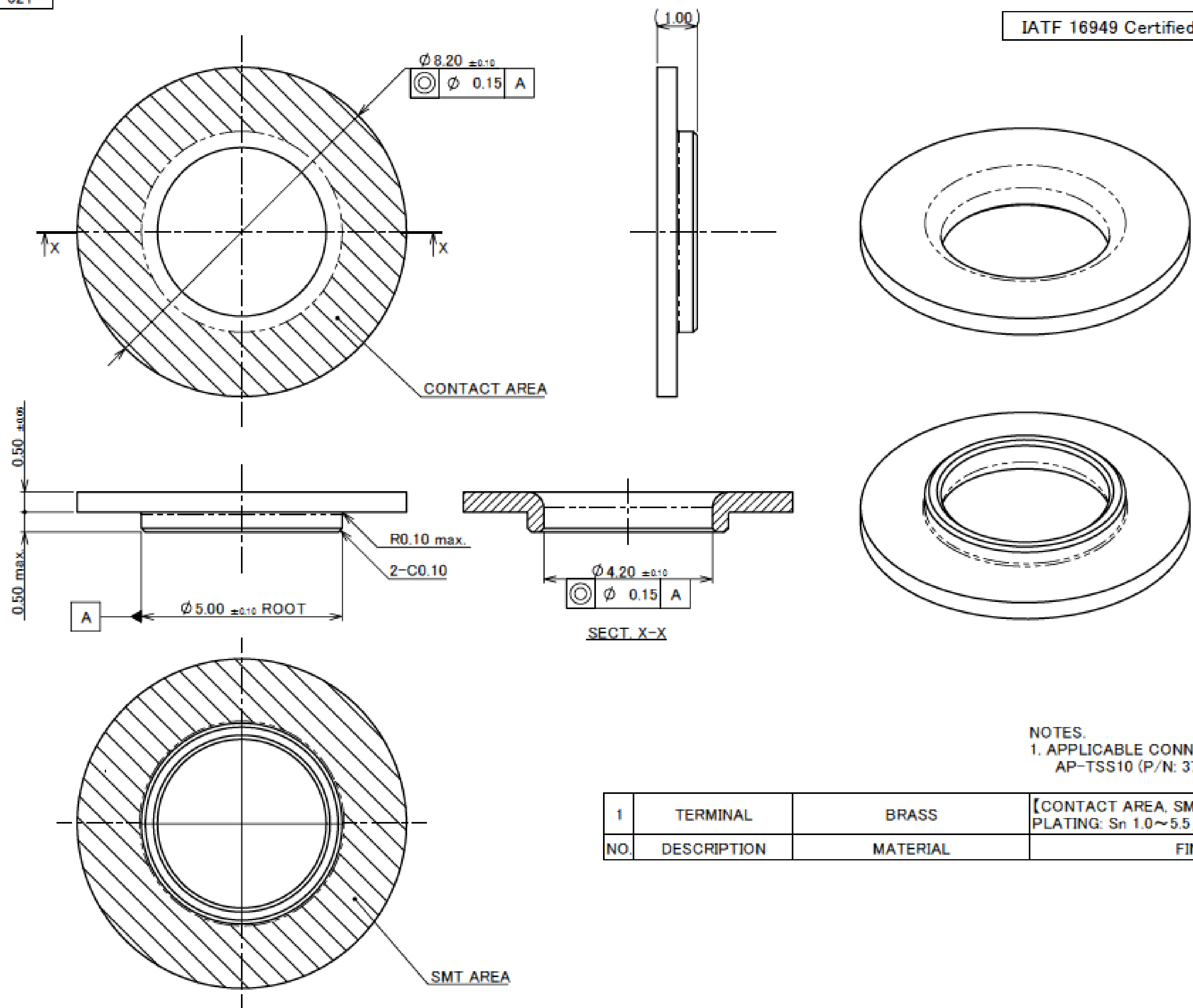
Rev.1



AP-LT10

|                 |               |
|-----------------|---------------|
| Recommended P/N | 3571-0081-02T |
| PART No.        |               |
| 3571-0081-02T   |               |

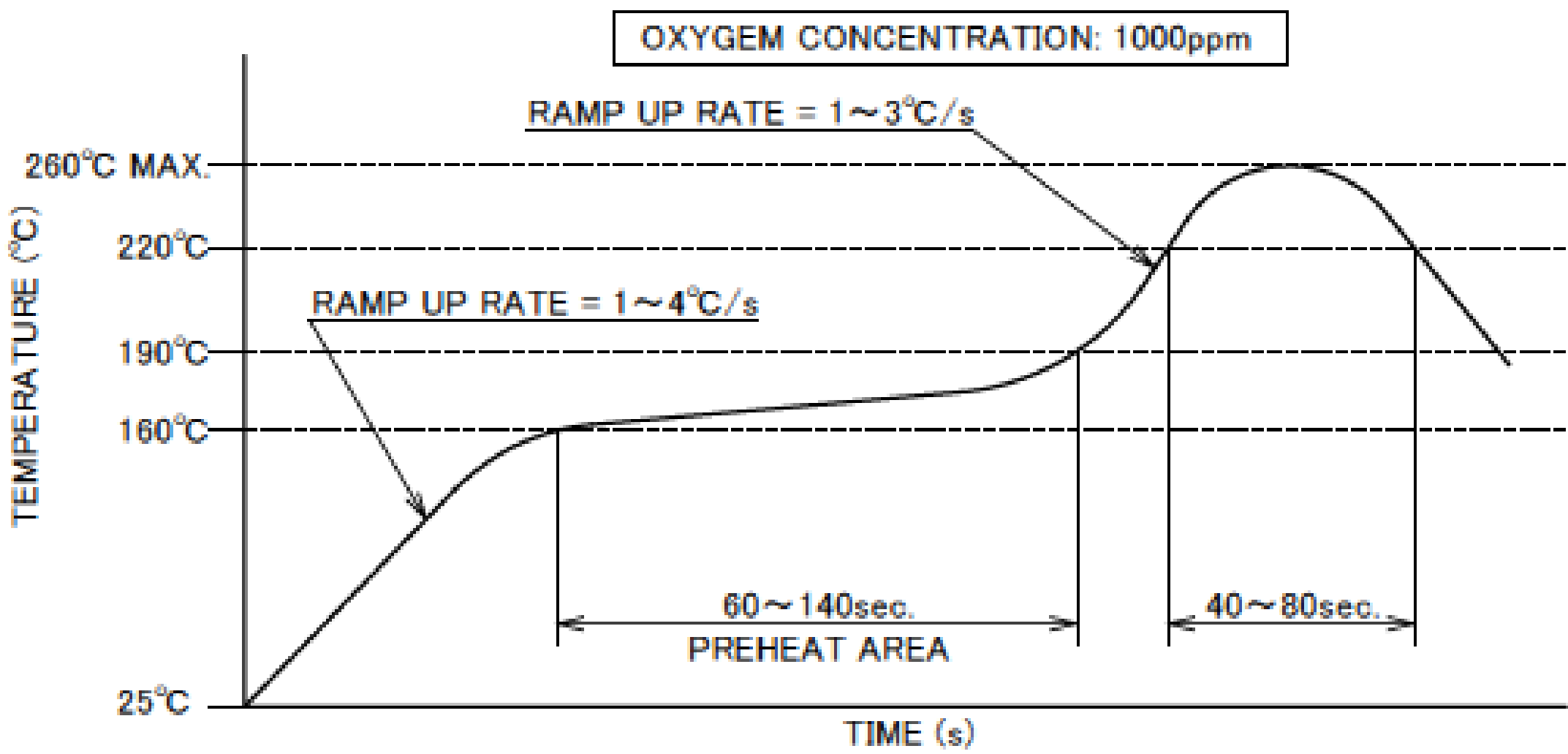
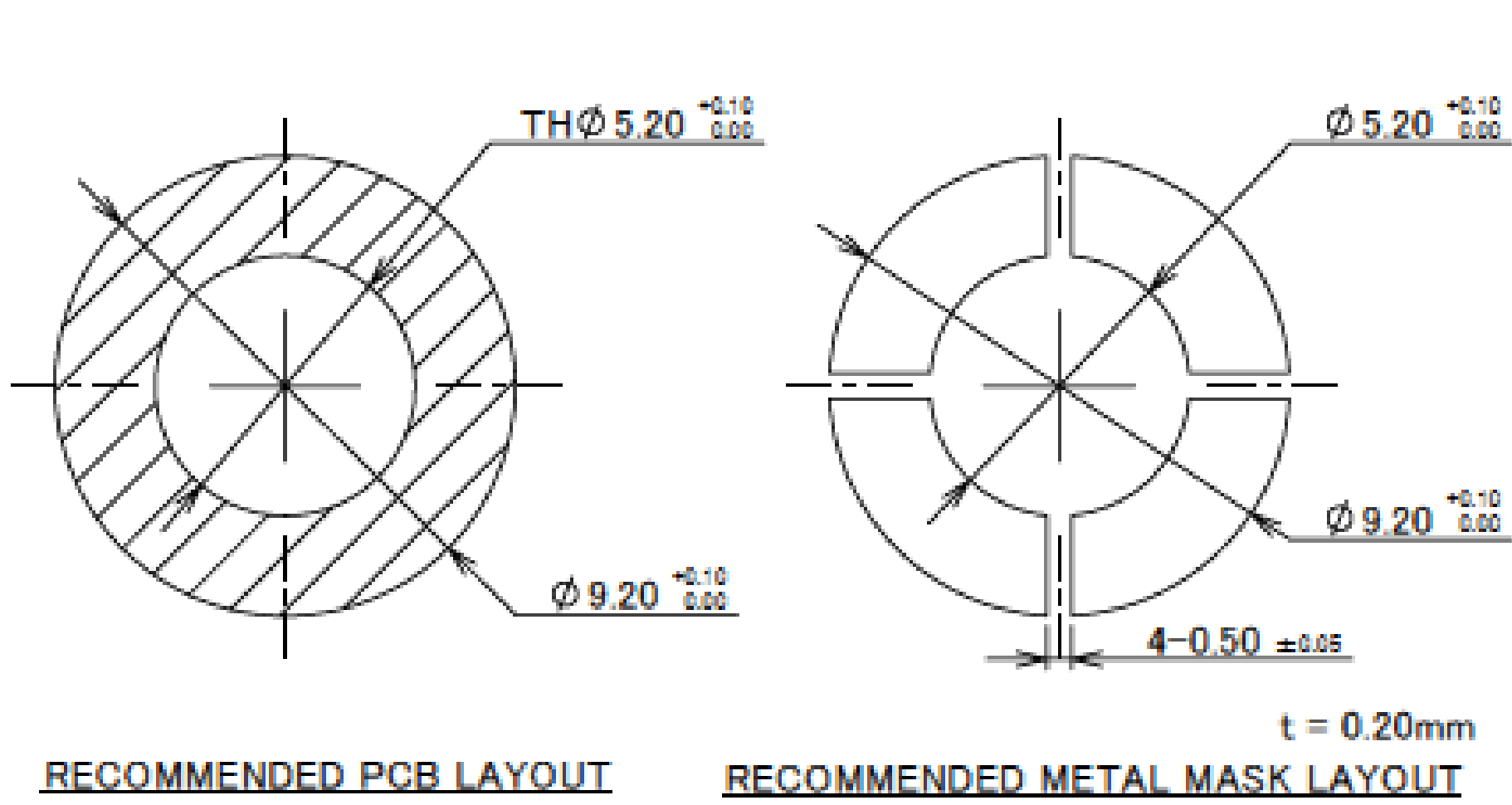
IATF 16949 Certified



NOTES.  
1. APPLICABLE CONNECTOR  
AP-TSS10 (P/N: 3782-0001)

| 1   | TERMINAL    | BRASS    | [CONTACT AREA, SMT AREA] |
|-----|-------------|----------|--------------------------|
| NO. | DESCRIPTION | MATERIAL | FINISH , REMARKS         |

Rev.0



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

Rev.0



AP-LT10

| 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-23064                                          |
| APPEARANCE CRITERIA No. | QLS-A***                                           |

Rev.0



# Custom Products Available

## RF Connector

MHF® series



## CABLINE® series Micro-coaxial/Twinax/ Discrete Wire Connector



## Optical Module

LIGHTPASS® series



NOVASTACK® series



## Board-to-Board Connector

## Power Connector/ Terminal

AP series

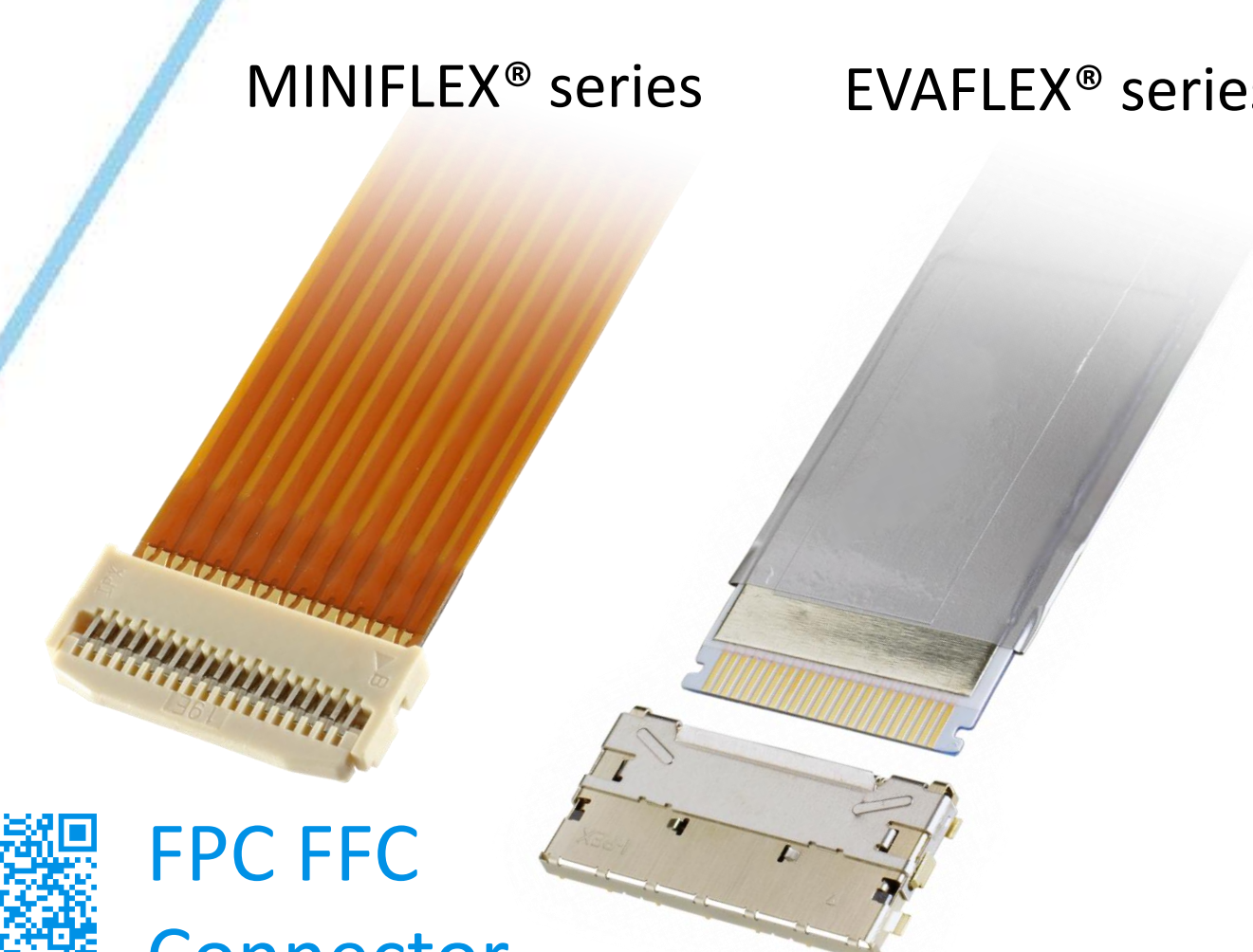
ISH® series



MINIFLEX® series

EVAFLEX® series

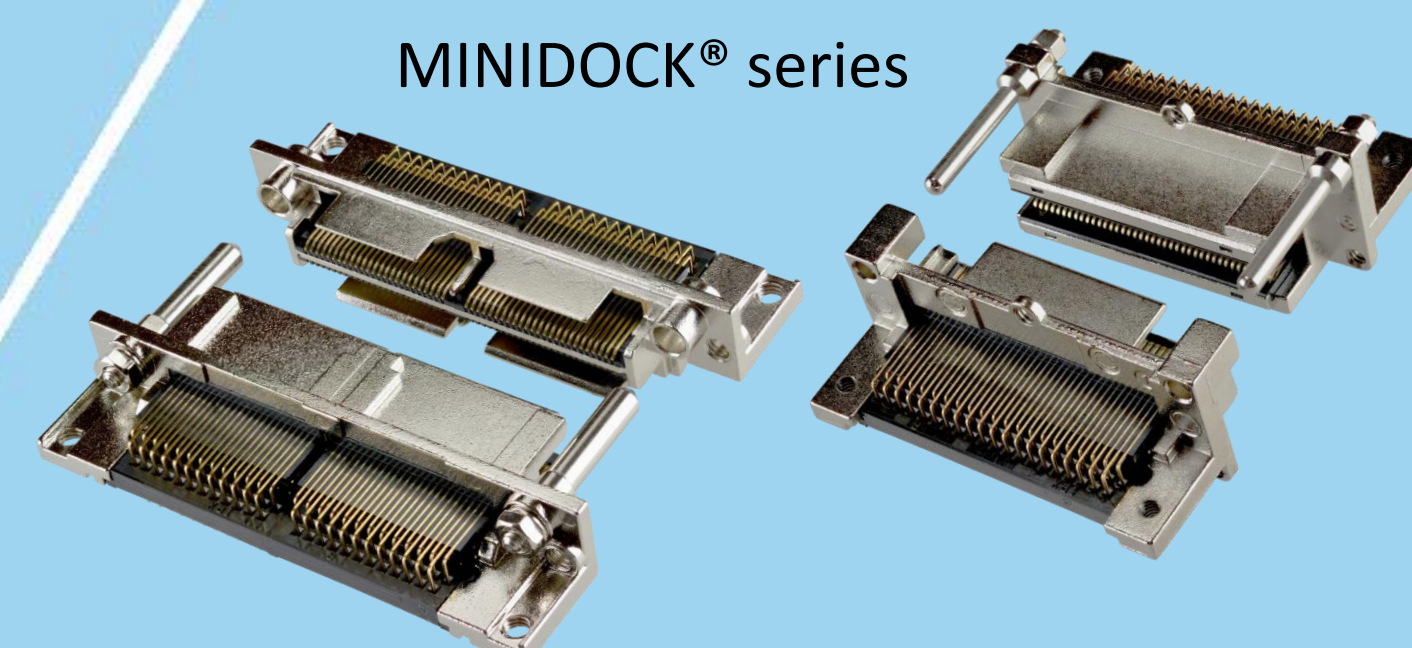
## FPC FFC Connector



Inquiry



MINIDOCK® series



## I/O Connector

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