

MP-S

Leaf spring connector on PCB for grounding and power connection

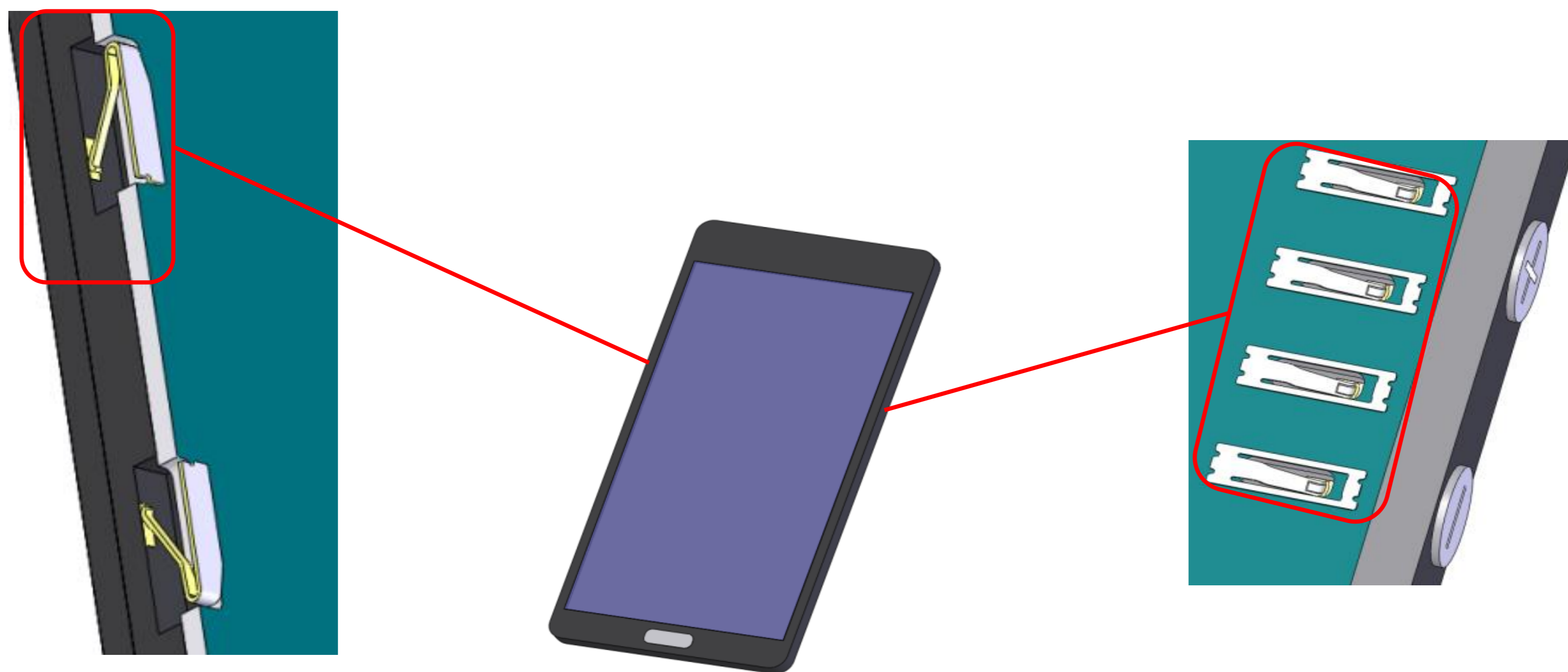


Product Specifications:

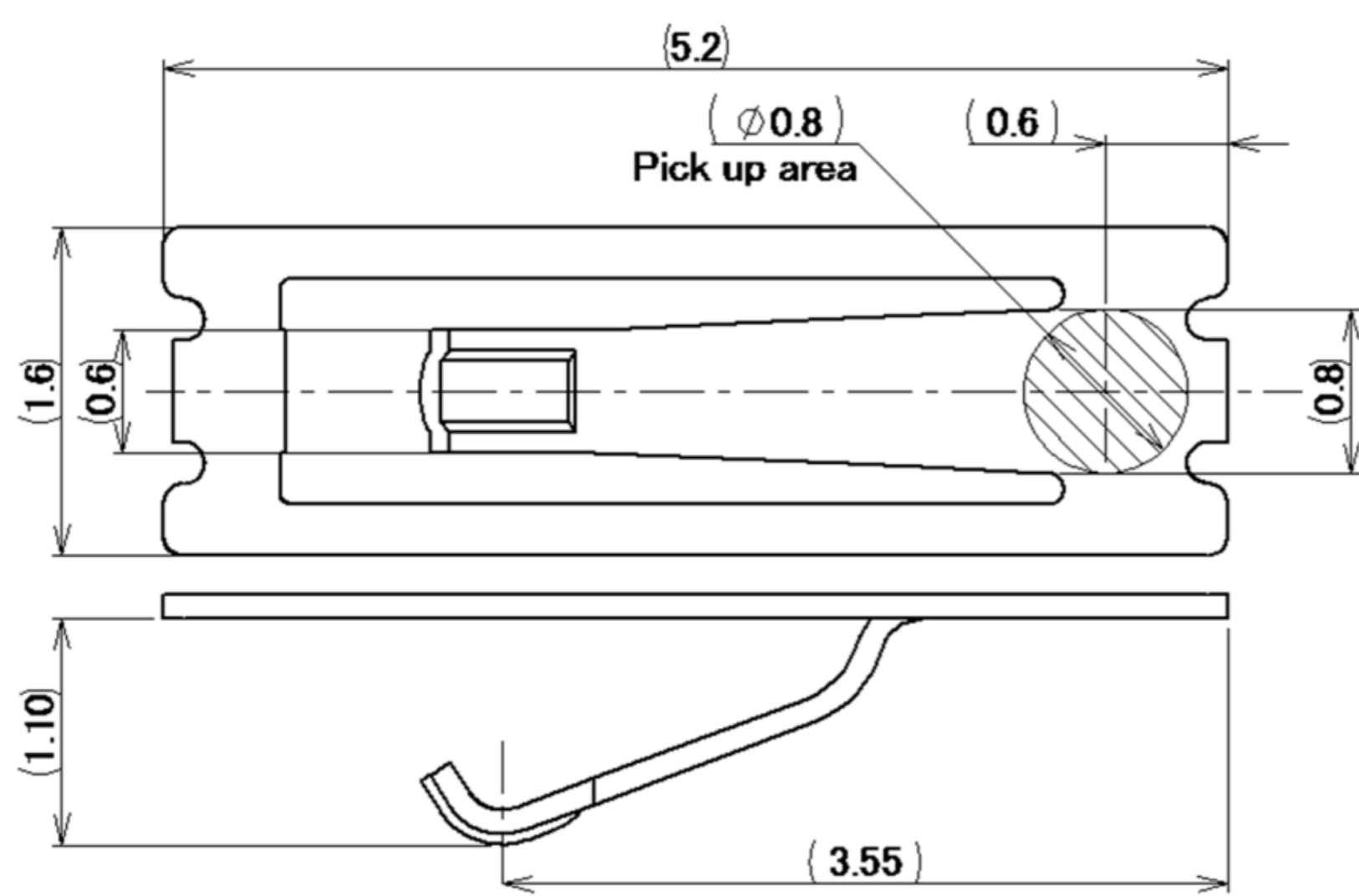
Rating Voltage	5v Ac (Per A Contact)
Operating Temperature	233~358 K (-40 °C ~ + 85 °C)
Operating Humidity	85 % Max. (Non-Condensing)
Durability	5 CYCLES
Contact Force	0.30 ~ 0.95 N (MP-S01)
Coplanarity	0.08 Max.

* Please inquire for pin counts not listed or outside of the pin count range.

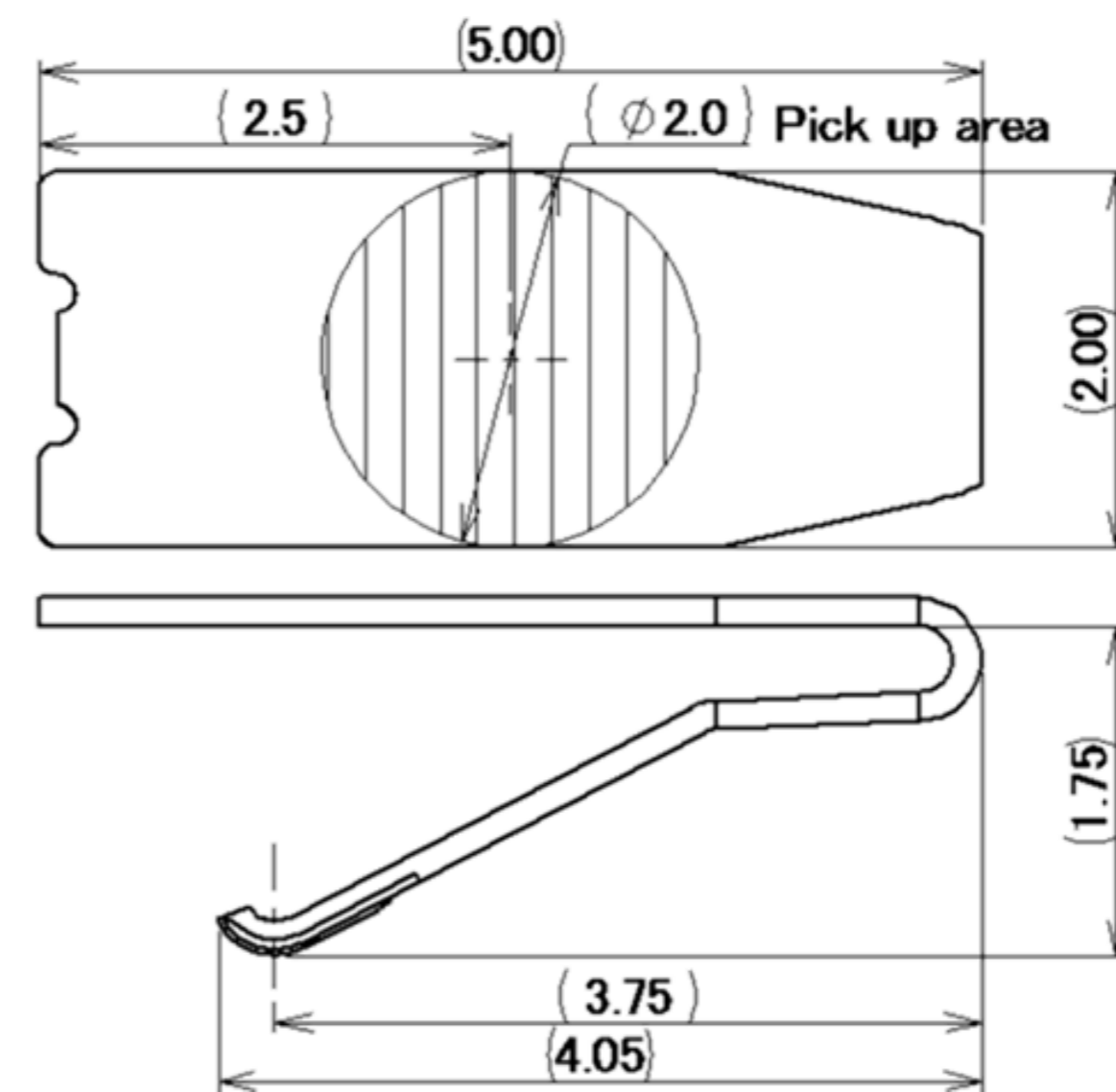
► Enables reverse side contact for grounding and power connection



► Working height: 0.65 mm - 0.95 mm (MP-S01), 0.85 mm - 1.25 mm (MP-S03)



MP-S01



MP-S03

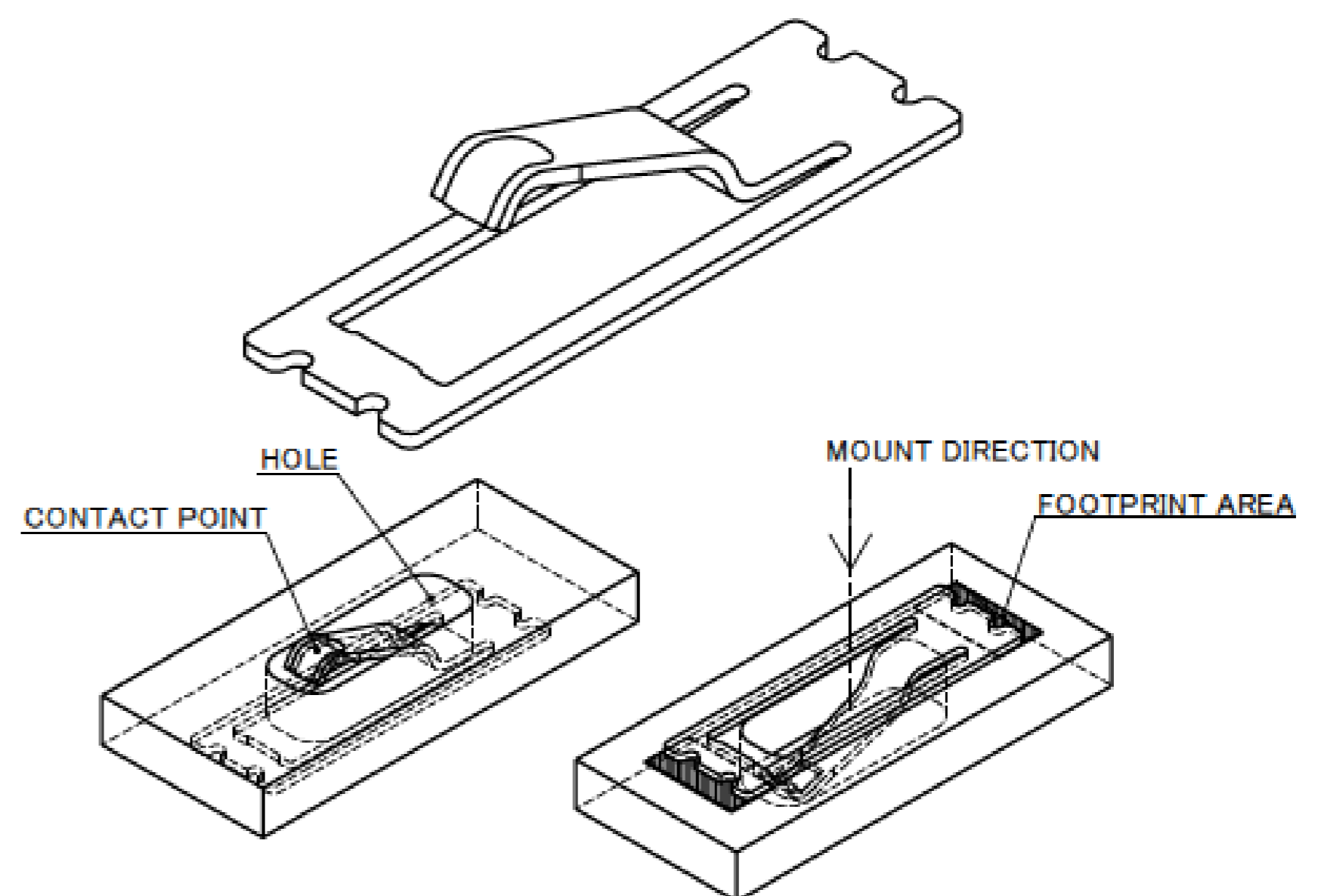
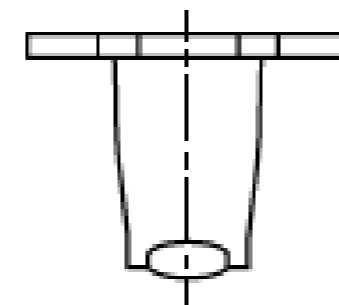
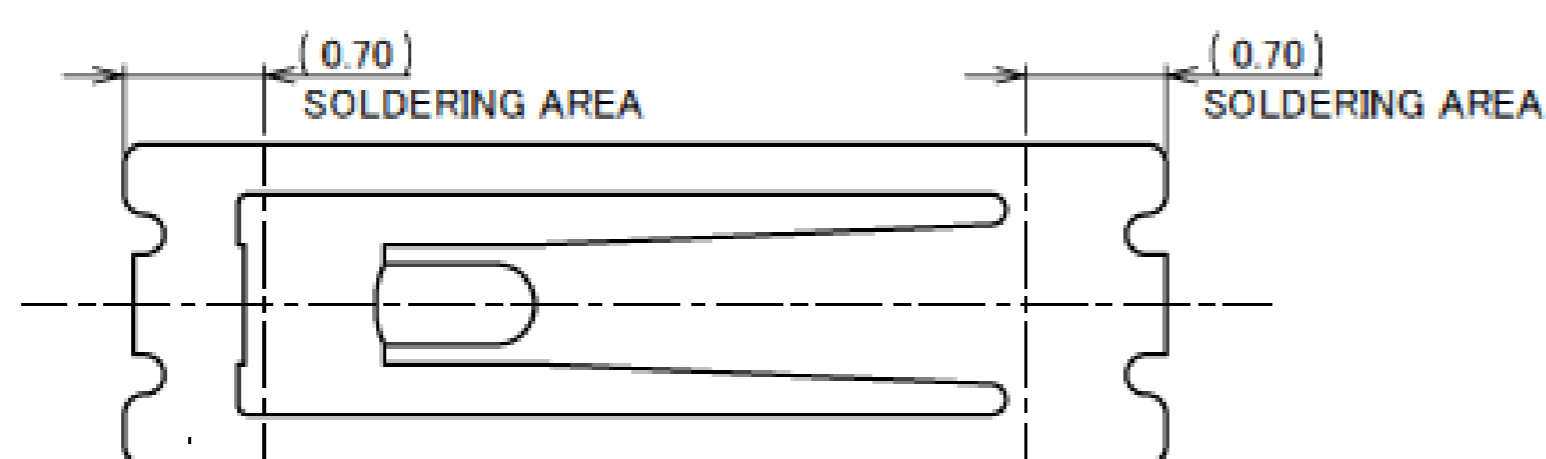
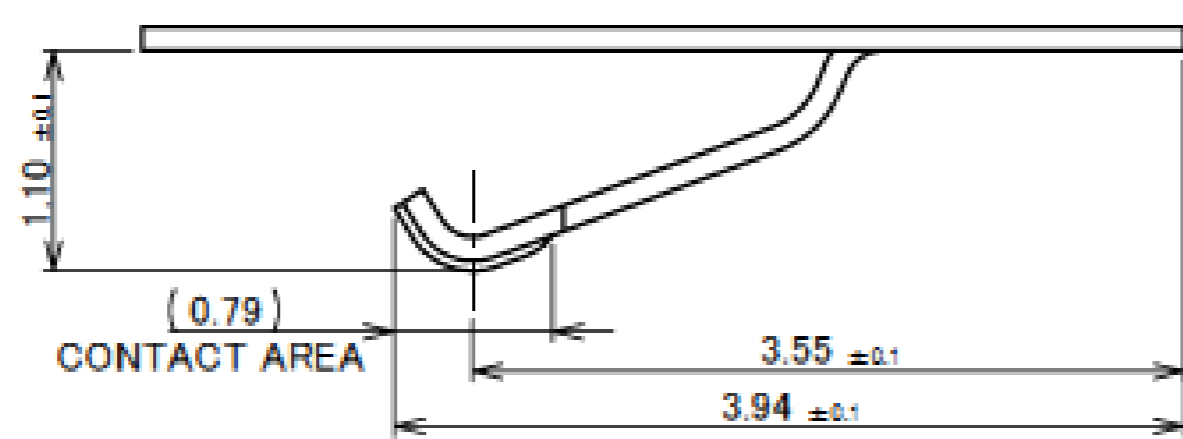
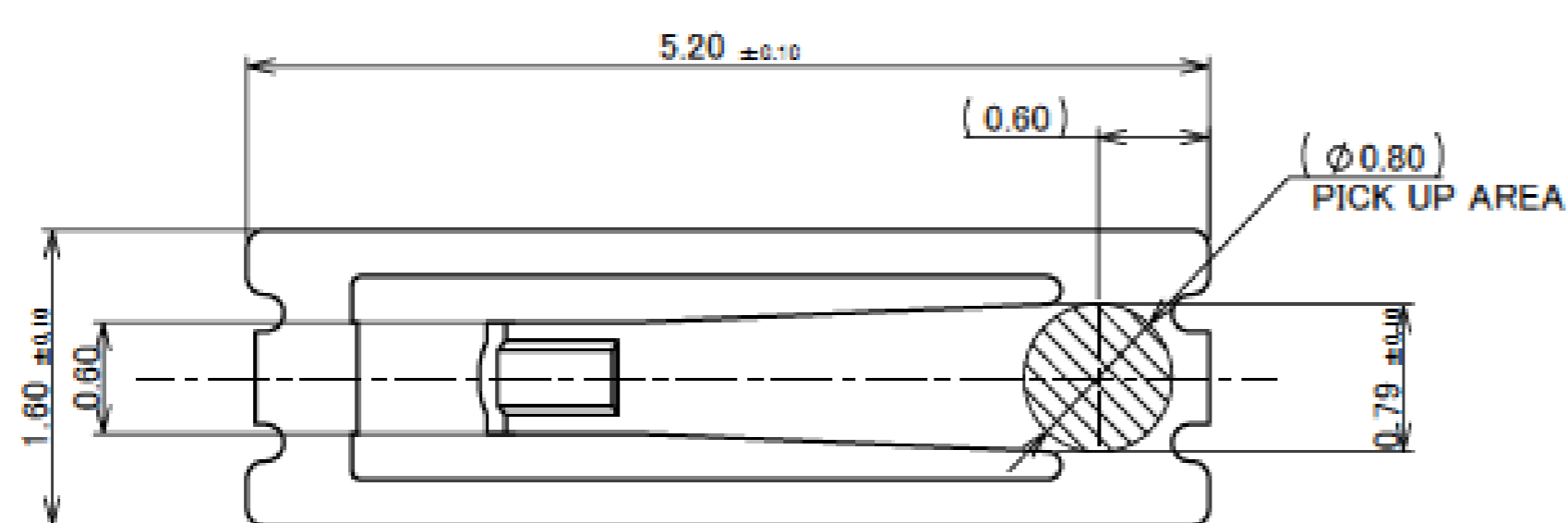
► Contact force 0.3 - 1.10 N

	MP-S01	MP-S03
Item		
Contact Force	0.3 N - 0.95 N	0.3 N - 1.10 N

Component Parts Details

MP-S01

Recommended P/N	3110-0001
PART NO.	3110-0001

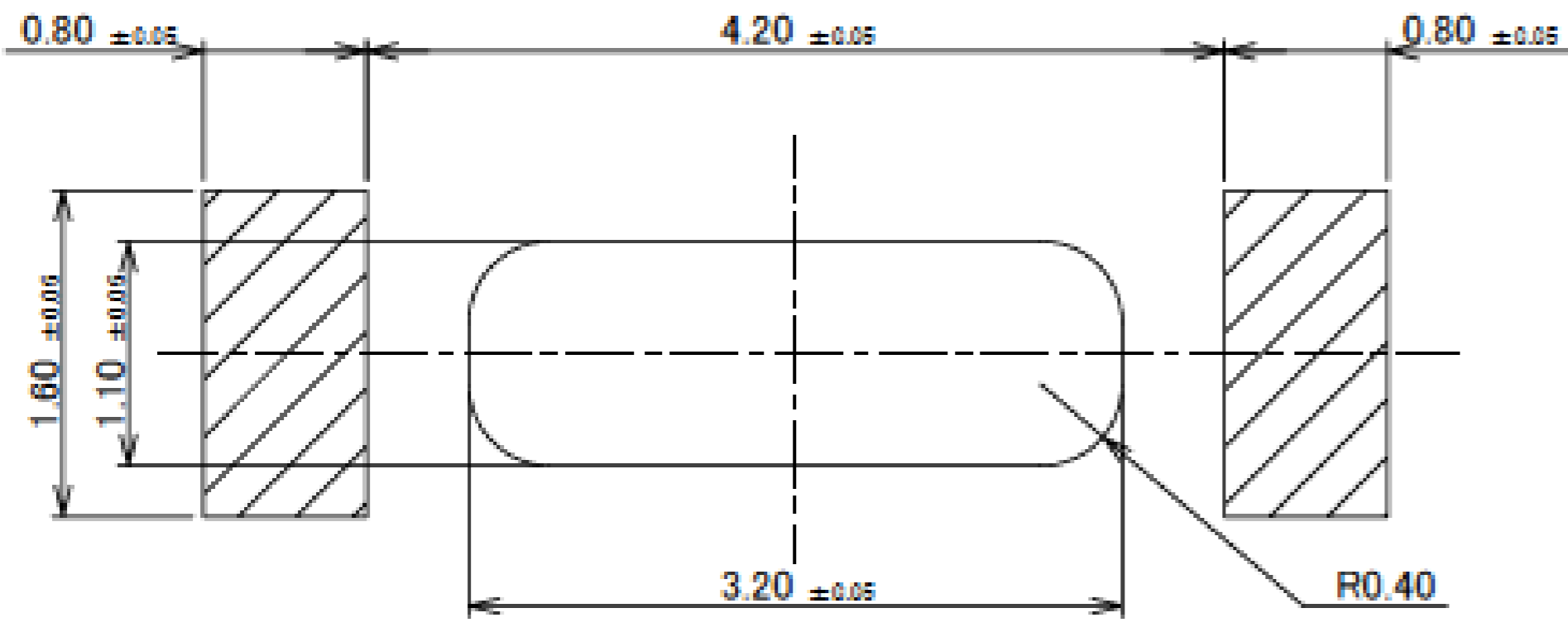


1	CONNECTOR	PHOSPHOR BRONZE T=0.12mm	UNDER PLATE Ni 1.27 μm MIN. CONTACT AREA Au 0.1 μm MIN.
NO.	DISCRPTION	MATERIAL	FINISH . REMARKS

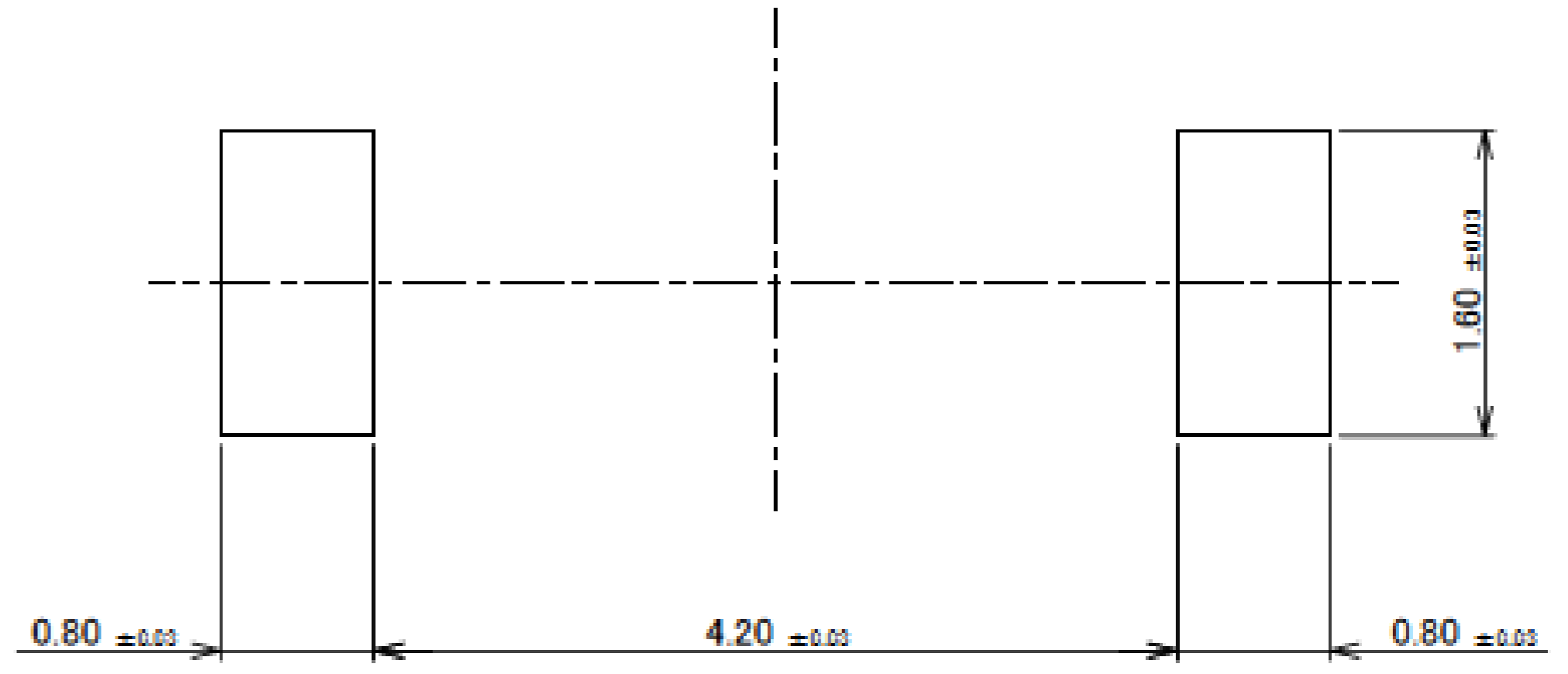
NOTES.
1.WORKING HEIGHT=0.75±0.10
2.BOARD THICKNESS=0.85 MAX.

Rev.5

MP-S01

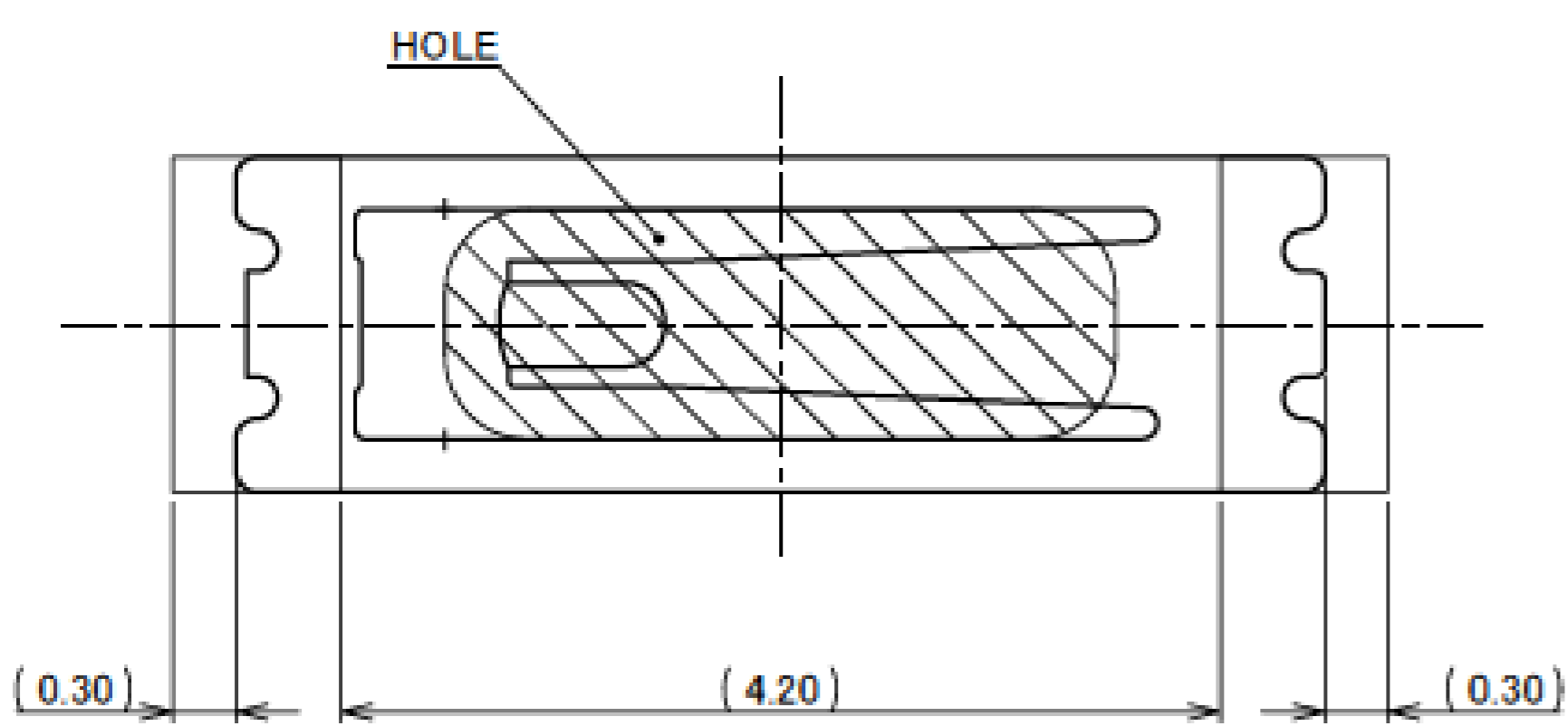


RECOMMENDED FOOTPRINT PATTERN LAYOUT

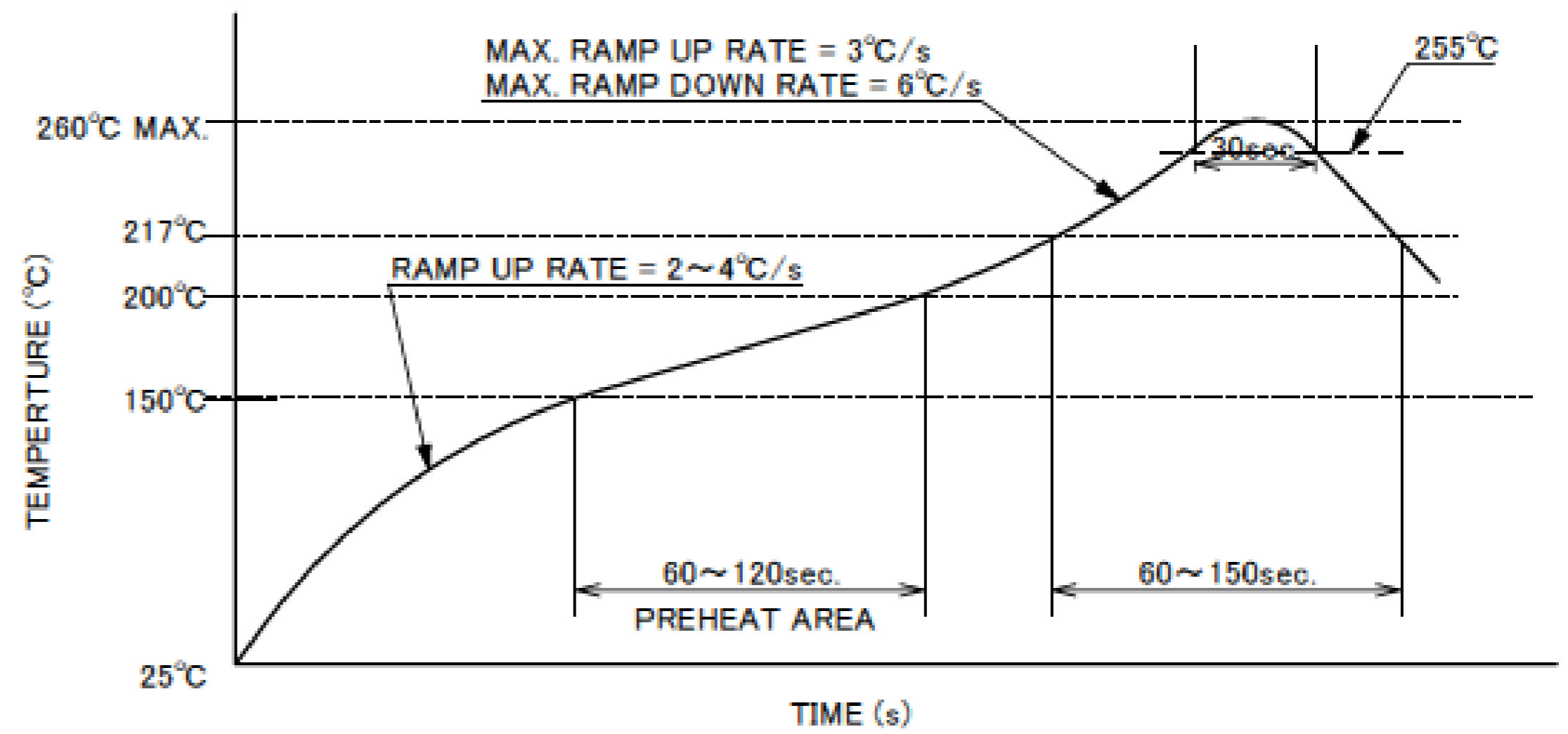


RECOMMENDED METAL MASK LAYOUT
METAL MASK THICKNESS : T=0.10mm

Rev.5



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

Rev.5

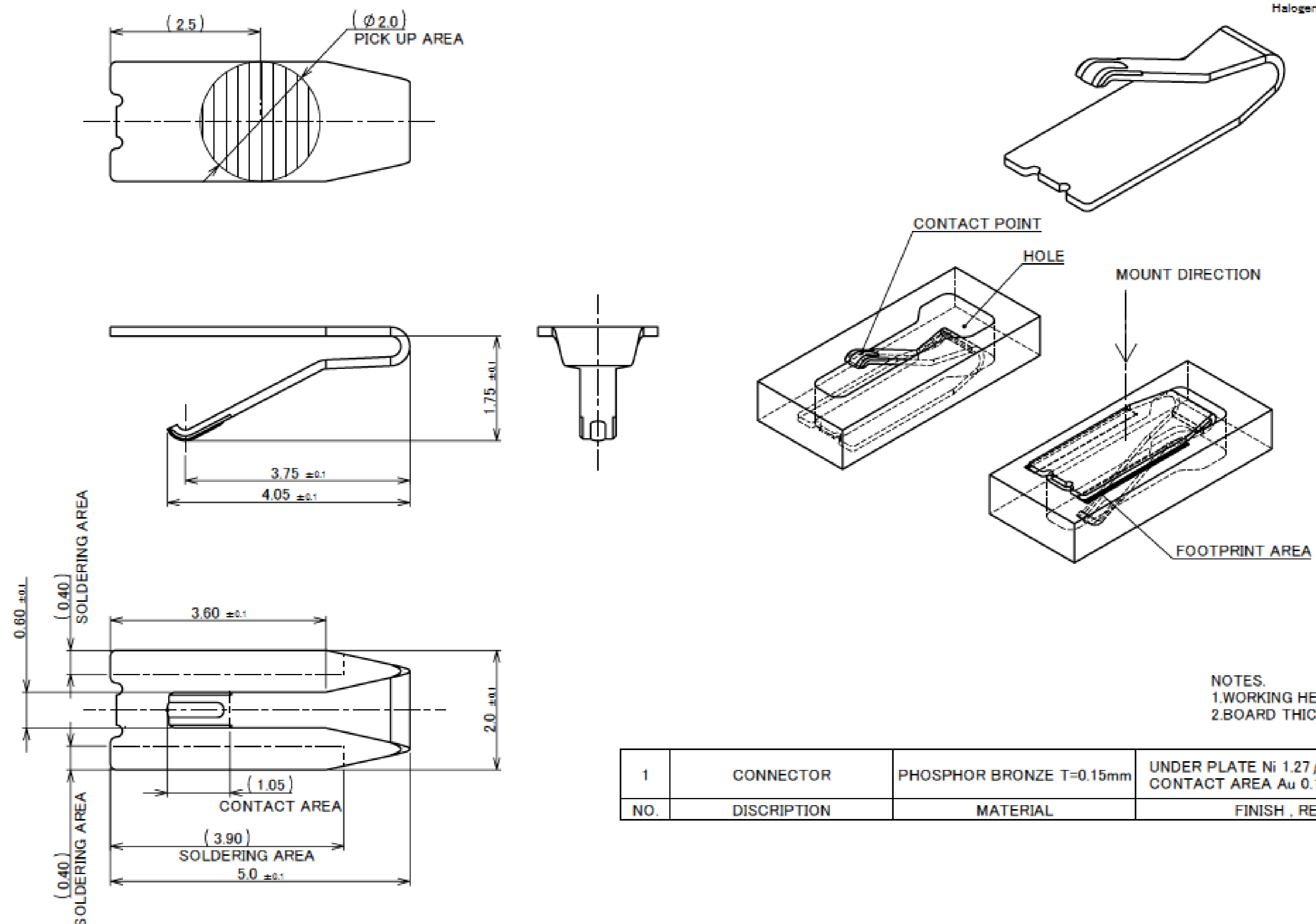
MP-S01

ITEMS	SPECIFICATION
RATING VOLTAGE	5 V AC (PER A CONTACT)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.7 A AC (PER A CONTACT)
OPERATING TEMPERATURE	248~358K(-40°C~85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 25 mohm MAX. / AFTER TEST : 25 mohm MAX.
DURABILITY	10 CYCLES
CONTACT FORCE	0.30~0.95 N
COPLANARITY	0.08 MAX.
PRODUCT SPECIFICATION	PRS-2227
TEST REPORT	TR-16040
PACKING STANDARD	PST-18050
APPEARANCE CRITERIA No.	QLS-A***

Rev.5

MP-S03

Recommended P/N	3112-0001
PART NO.	3112-0001

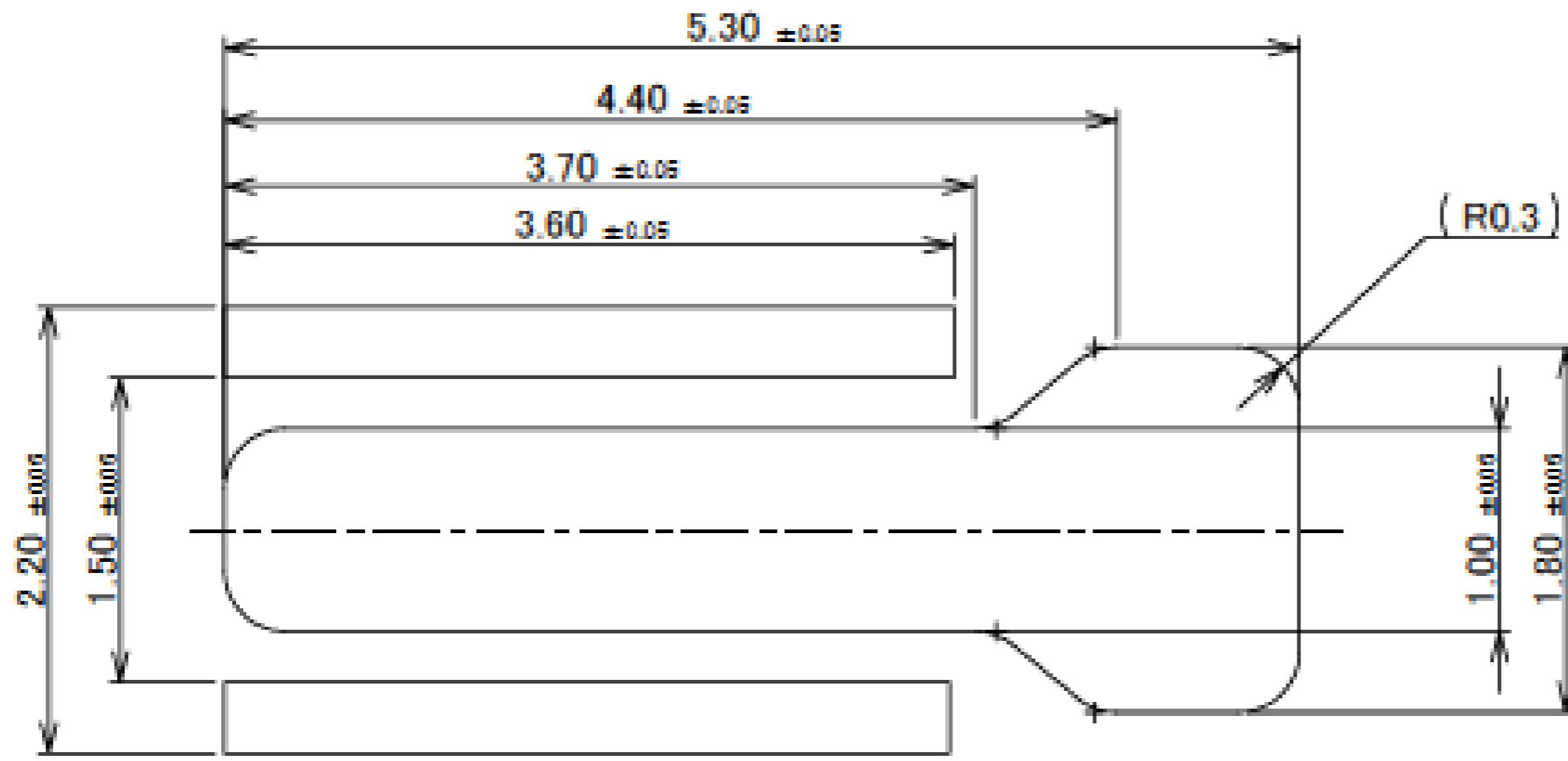


NOTES.
1.WORKING HEIGHT=1.05±0.2
2.BOARD THICKNESS=1.25 MAX.

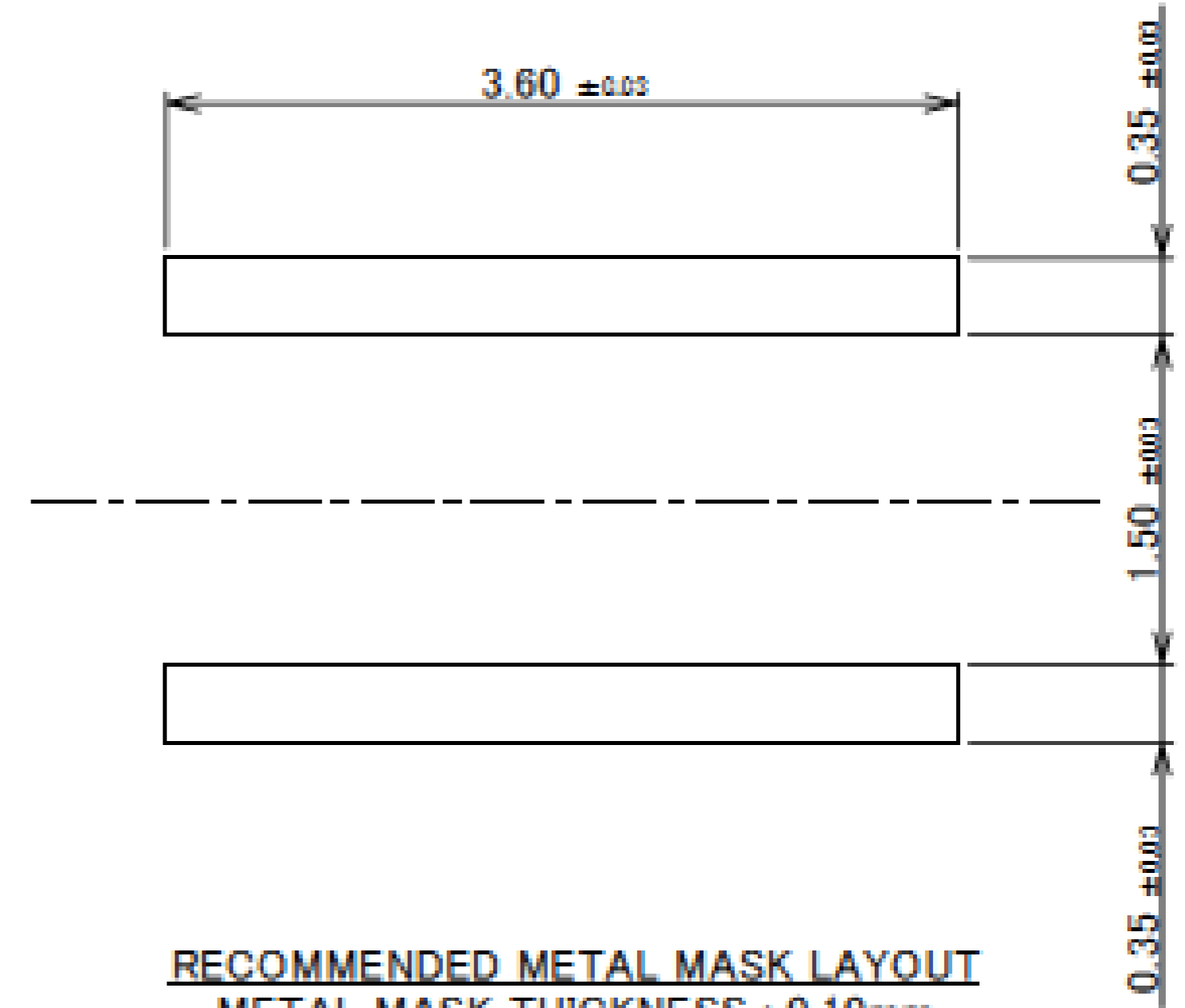
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
1	CONNECTOR	PHOSPHOR BRONZE T=0.15mm	UNDER PLATE Ni 1.27 μ m MIN. CONTACT AREA Au 0.1 μ m MIN.

Rev.5

MP-S03

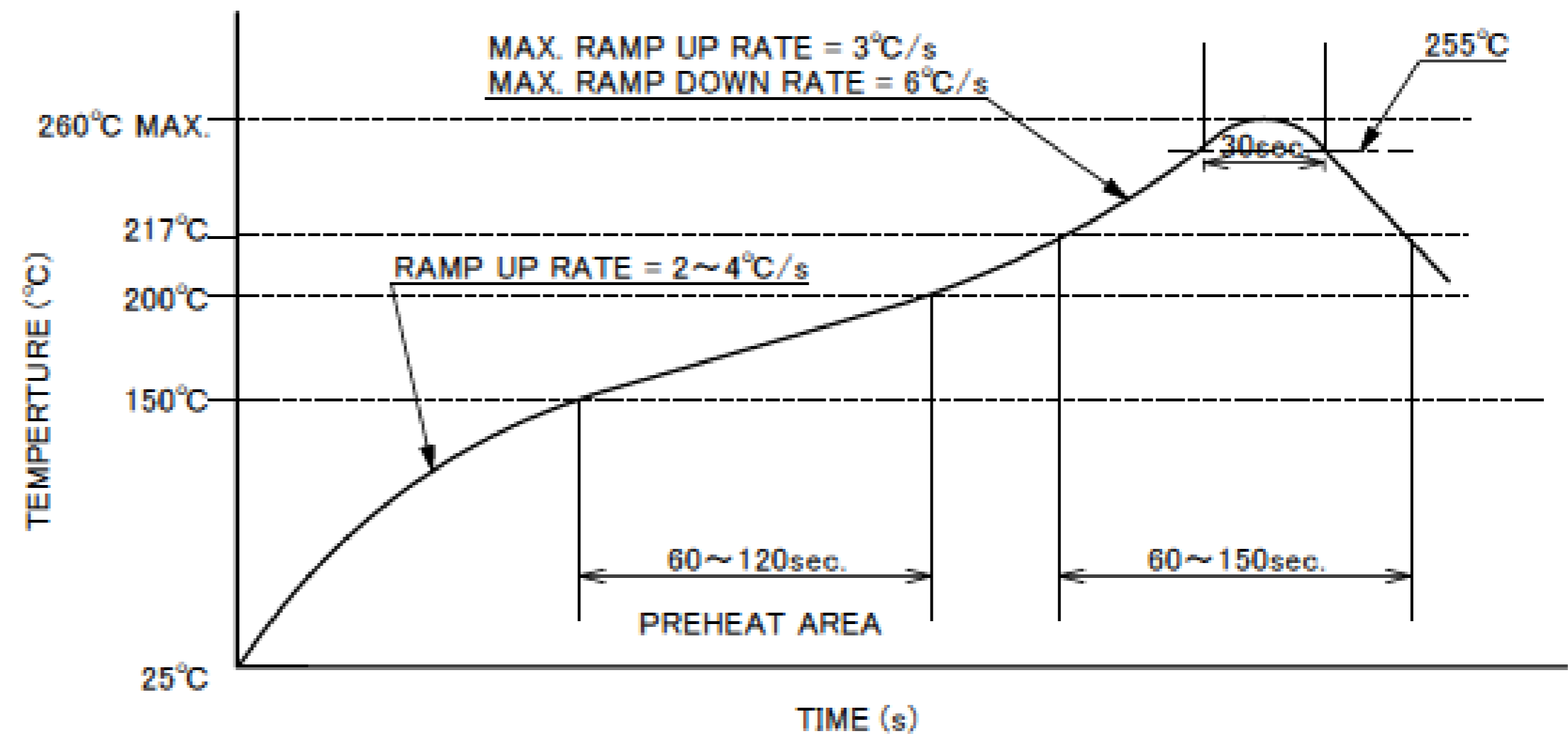
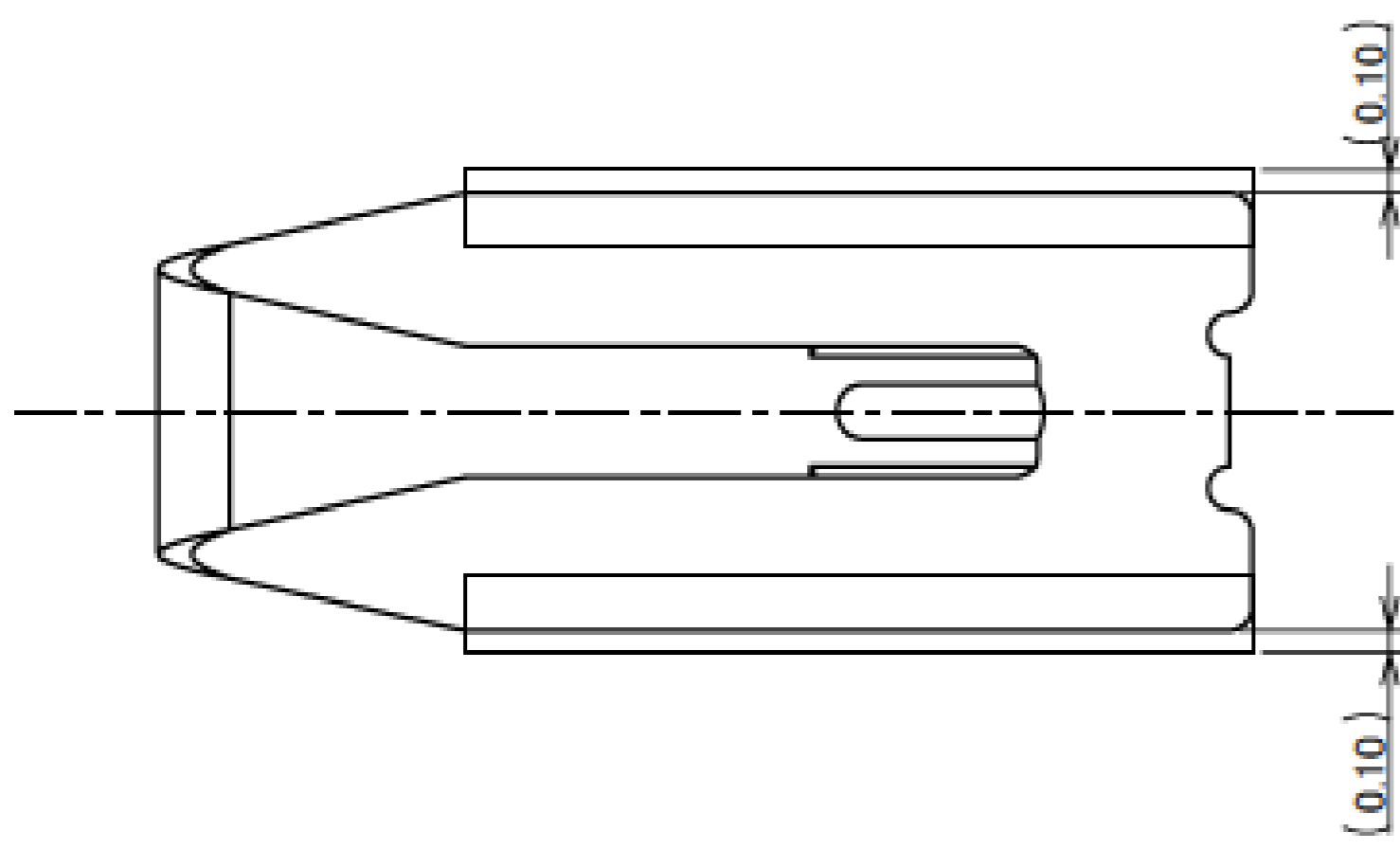


RECOMMENDED FOOTPRINT PATTERN LAYOUT



RECOMMENDED METAL MASK LAYOUT
METAL MASK THICKNESS : 0.10mm

Rev.5



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

Rev.5

MP-S03

ITEMS	SPECIFICATION
RATING VOLTAGE	5 V AC (PER A CONTACT)
RATING AMPERAGE (FOR SIGNAL CONTACT)	3 A AC (PER A CONTACT)
OPERATING TEMPERATURE	248~358K(-40°C~85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 70 mohm MAX. / AFTER TEST : 70 mohm MAX.
DURABILITY	10 CYCLES
CONTACT FORCE	0.30~1.10 N
COPLANARITY	0.08 MAX.
PRODUCT SPECIFICATION	PRS-2228
TEST REPORT	TR-16041
PACKING STANDARD	PST-18051
APPEARANCE CRITERIA No.	QLS-A***

Rev.5

Board to Board



High-Density



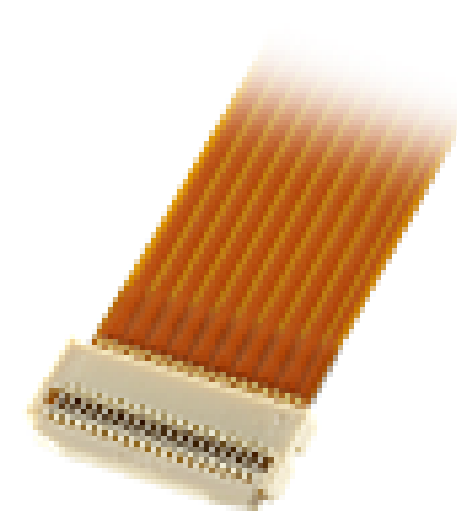
Autolocking FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial / Discrete Cable



High-Speed



RF



High-Frequency



Optical Module



High-Speed



Effector



Power



High-Power



I/O (Input/Output)



Quick charge



Inquiry



Custom Connectors Available



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