

AP-10

고온 환경에 대응하는 기판 대 기판 전원 단자, Power Electronics 장치의 소형화에 공헌, 결합 높이 차이에도 대응 가능합니다.

Product Specifications:

Mating type		Vertical
Wiping Length (mm)		2.55 (Plug: 7.5) 4.80 (Plug 14.5)
Size (mm)	Height (mm)	13.6 ~ 16.1 (Plug: 7.5) 16.1 ~ 23.1 (Plug: 14.5)
		7.6 (Rece)
	Width (mm)	3.4 (Plug: 7.5) 5.2 (Plug: 14.5)
		3.4 +/- 0.2 (Rece)
	Depth	6.0 +/- 0.1 (Plug: 7.5) 7.6 +/- 0.1 (Plug: 14.5)

Product Specifications:

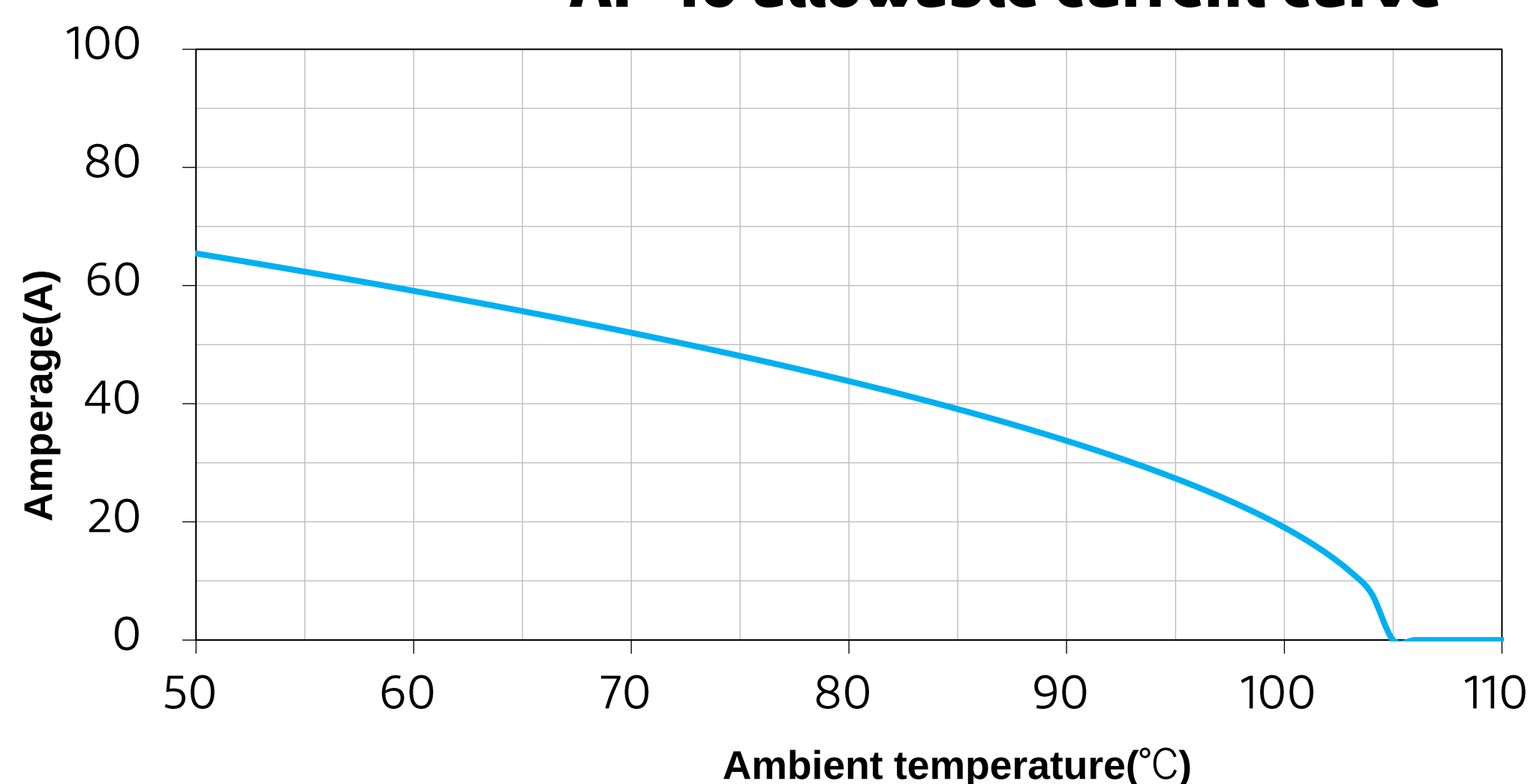
Operating Temperature	-40 ~ 105°C
Mating force	15N Max.
Contact resistance	1.0 mΩ Max.



*기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의해 부탁드립니다.

▶ 대전류, 고온 대응, 기판간 접촉 전원 단자

AP-10 allowable current curve



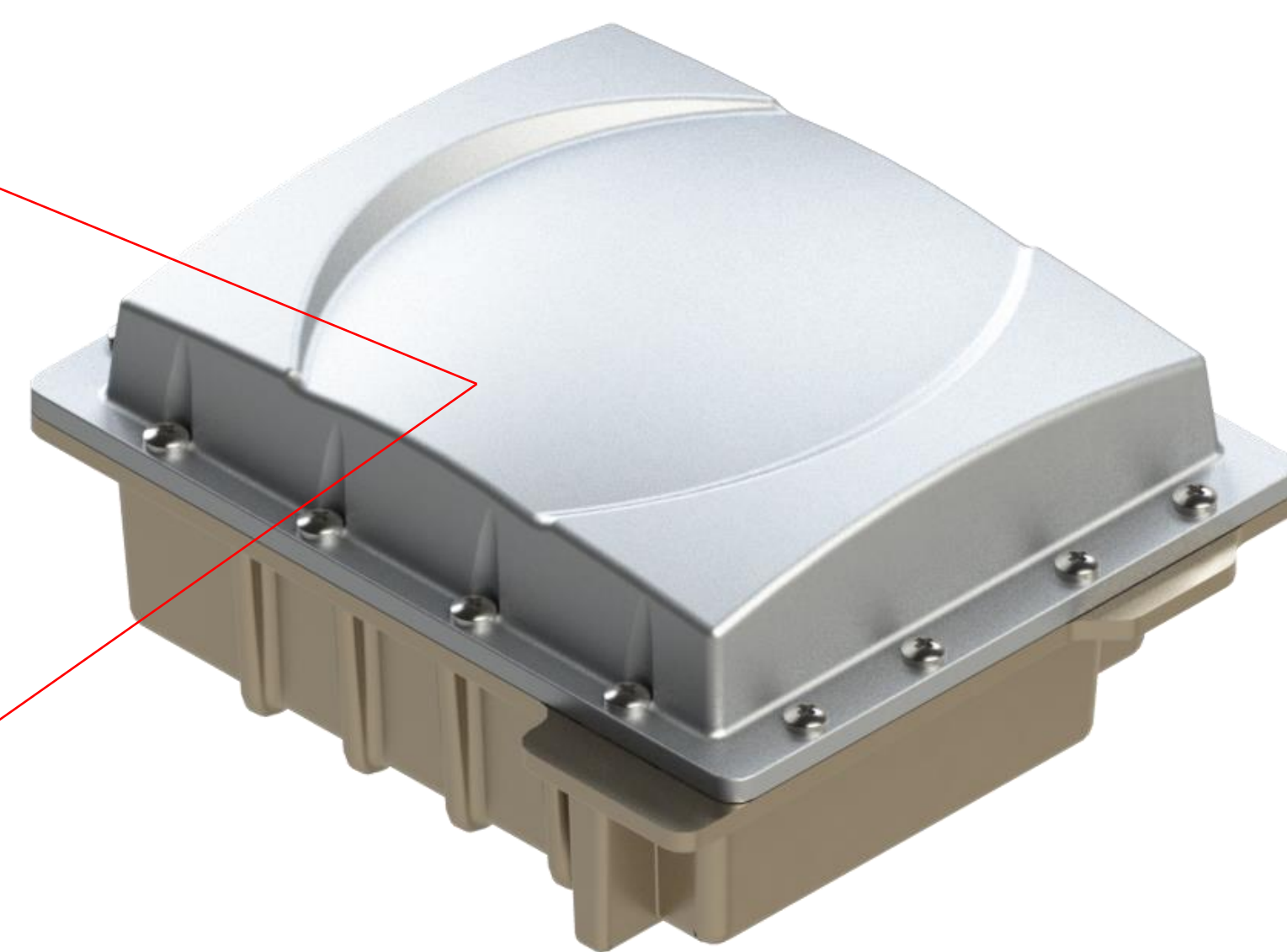
플로어팅량
①X축 방향 : 0.55mm
②Y축 방향 : 0.70mm

*상기 결과는 당사에서 정한 시험 조건에서 실측한 결과입니다.
*사용환경에 따라 달라지므로 자세한 내용은 문의해 주시기 바랍니다.

▶ 소형화를 통한 기판의 공간 절약 설계에 기여

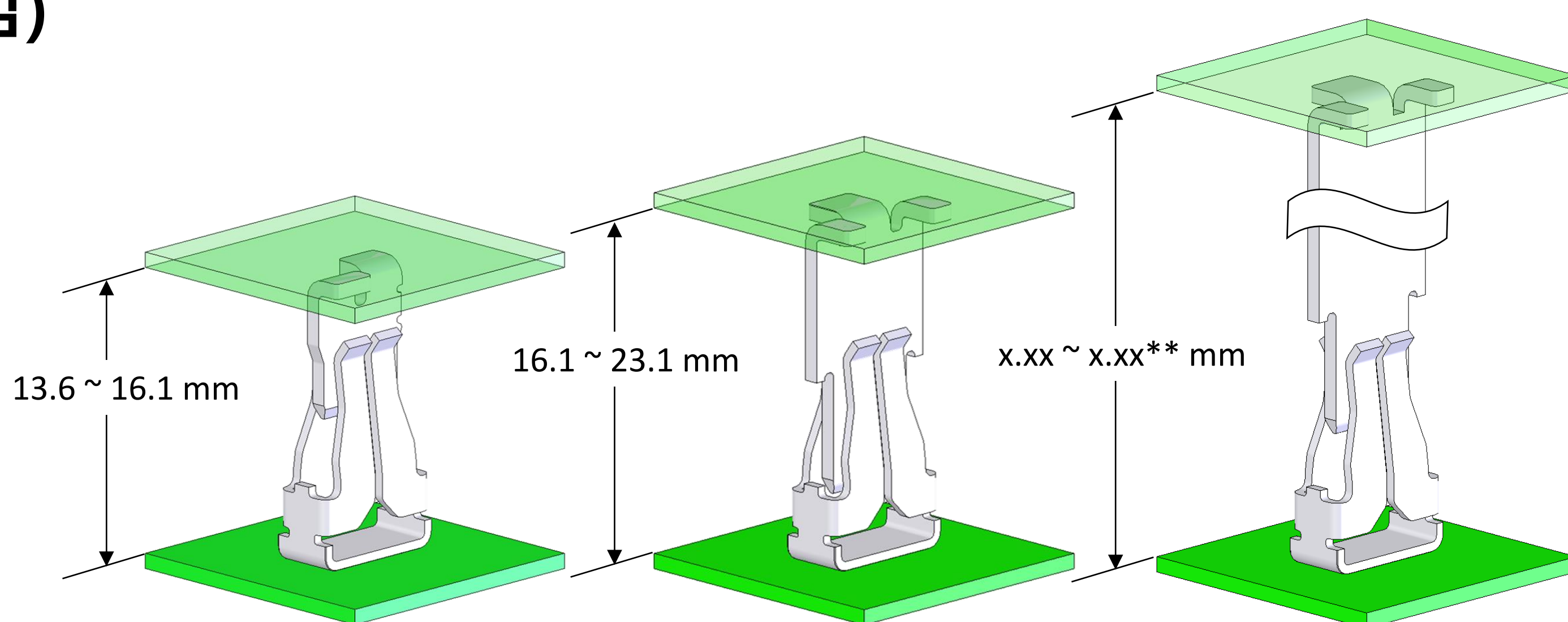
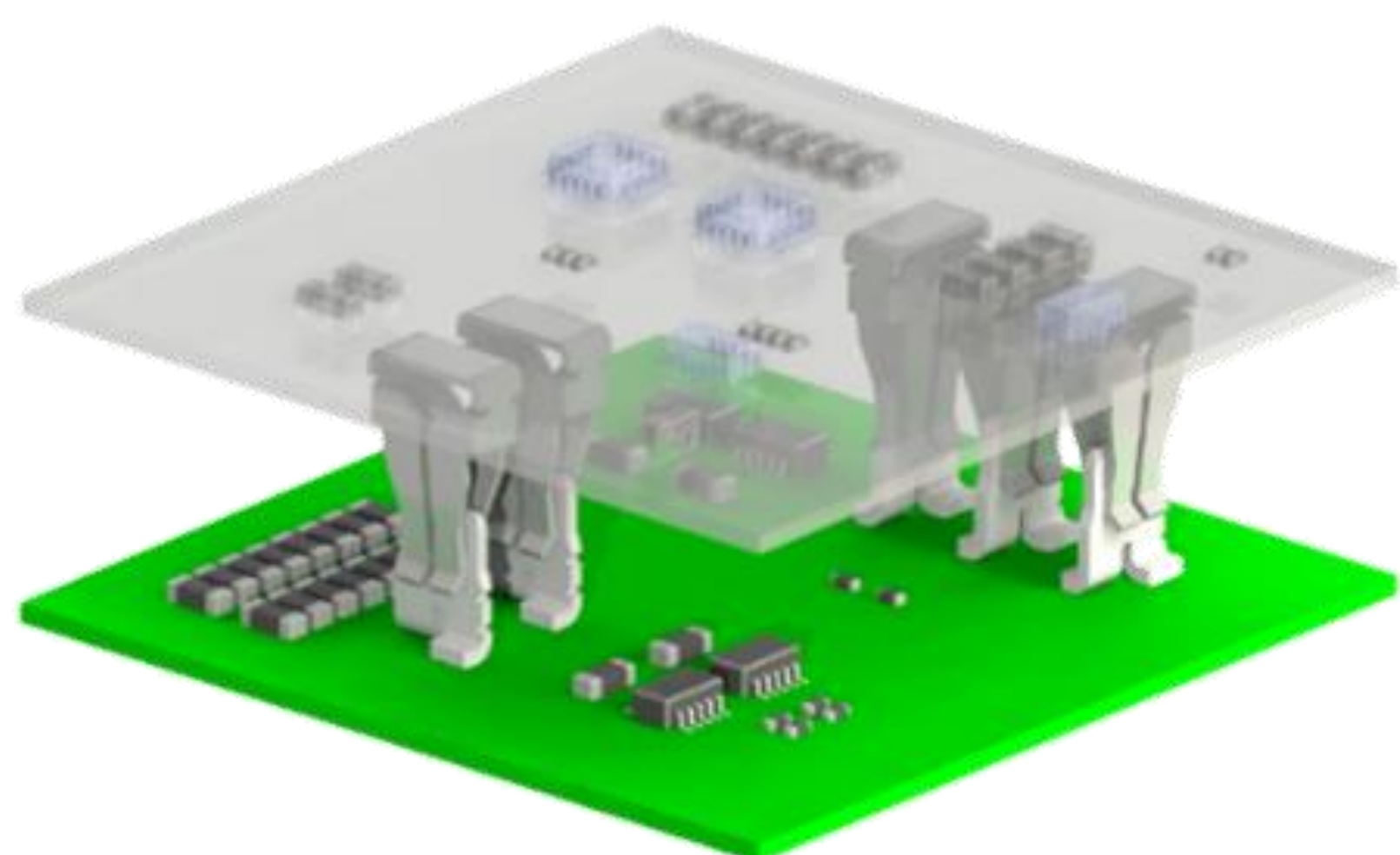
기존 접속 방식과의 비교

항목	금속 버스 바	기판 실장 커넥터
개념도		
점유 면적	X	O
작업성	△	O



DC-DC Converter나 Inverter 등
Power Electronics 장치에 최적함

▶ 공간에 맞춘 설계에 대응(커스텀)



I-PEX는 다양한 높이의 AP-10을 제공합니다.

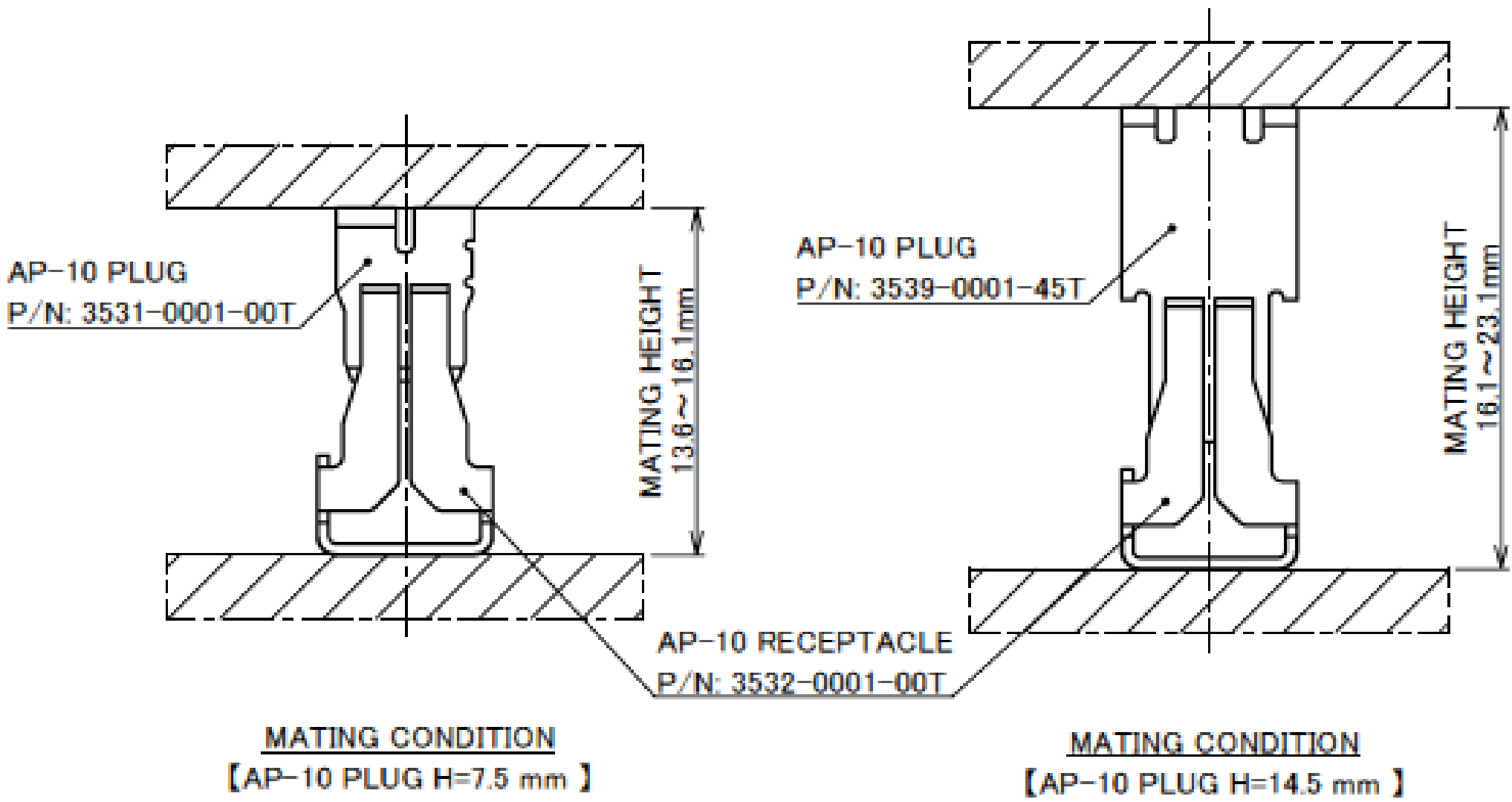
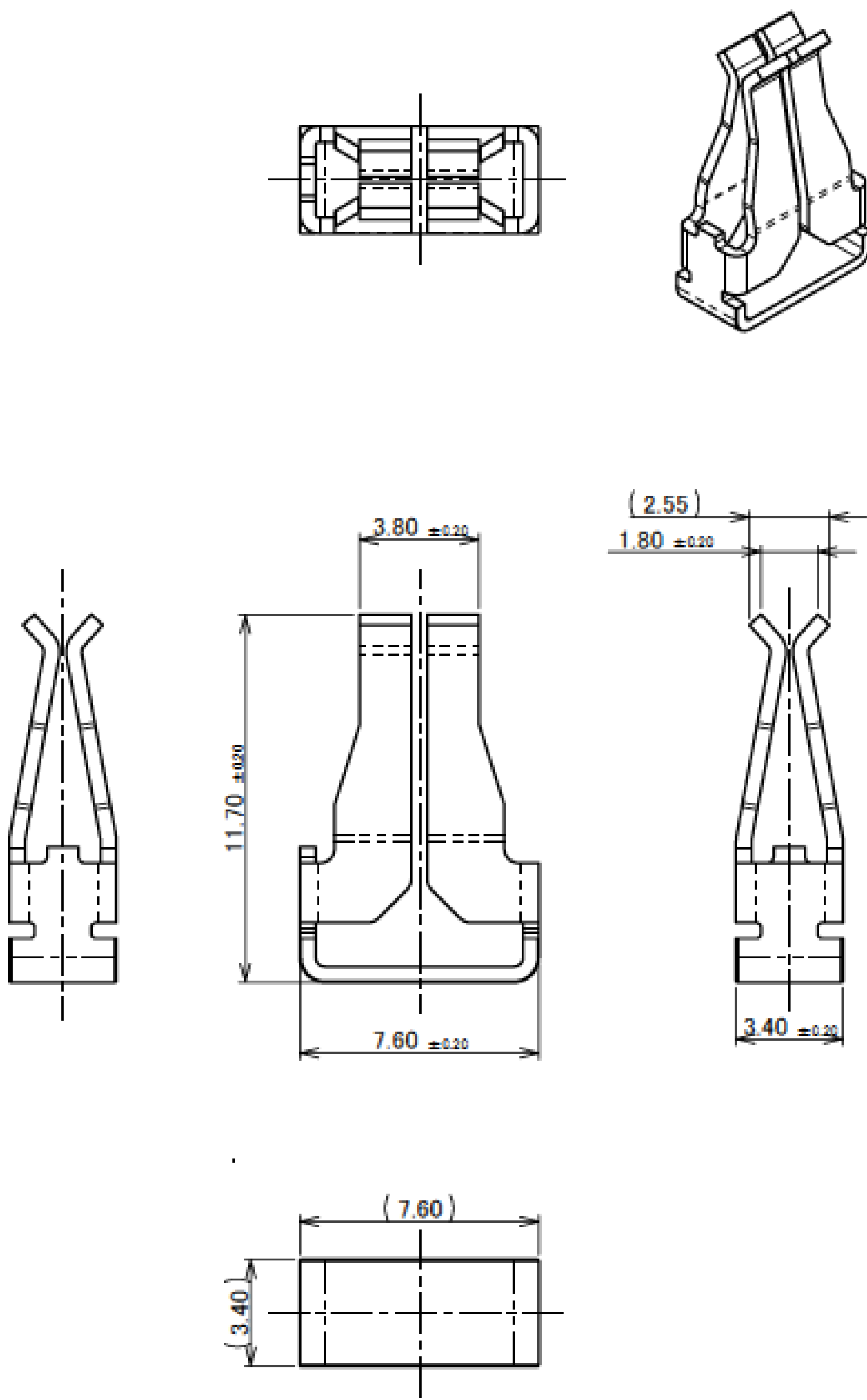
Component Parts Details

AP Series Receptacle

Recommended P/N	3532-0001-00T
PART NO.	
3532-0001-00T	



IATF 16949 Cetified [Planned]

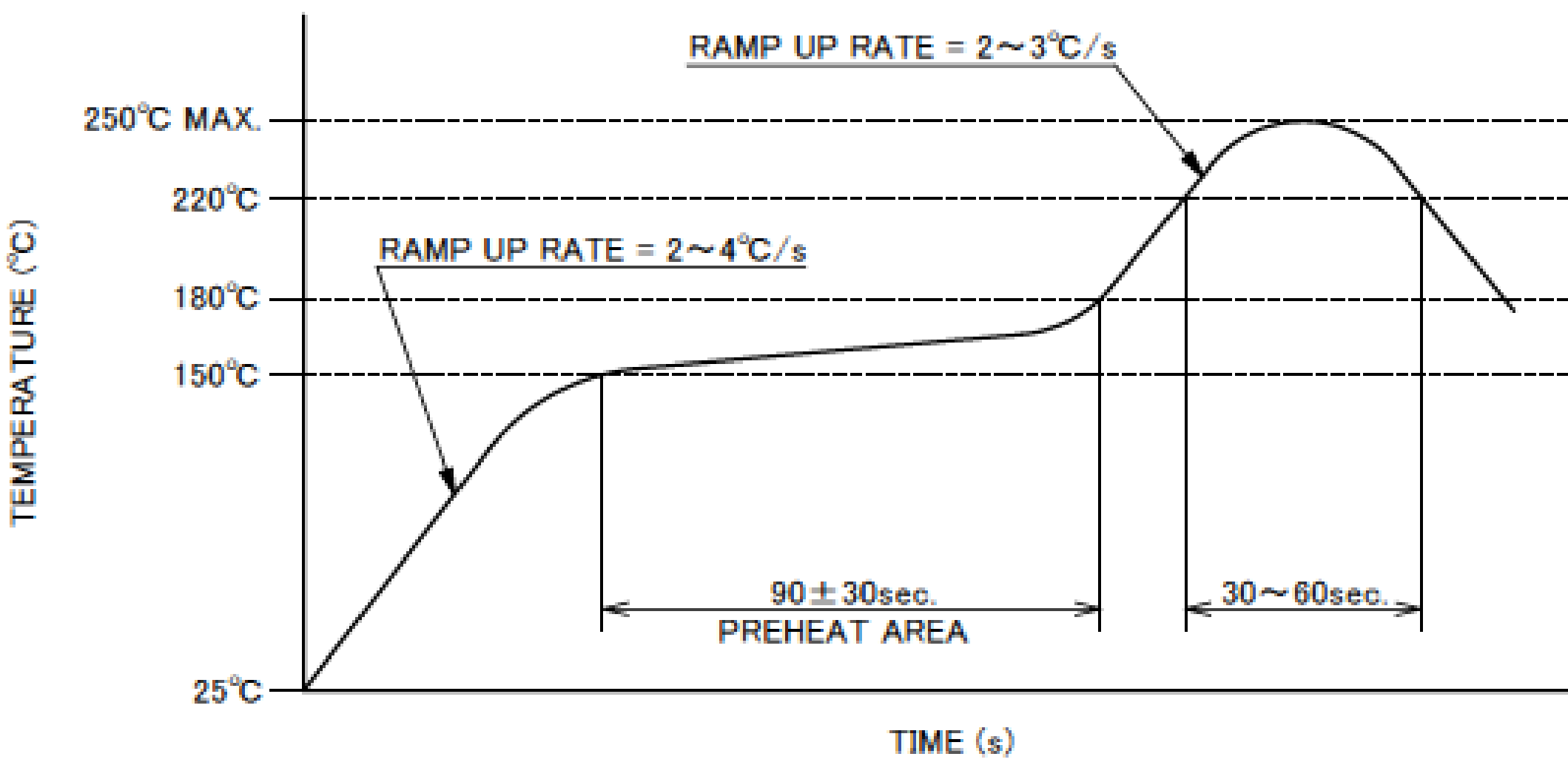
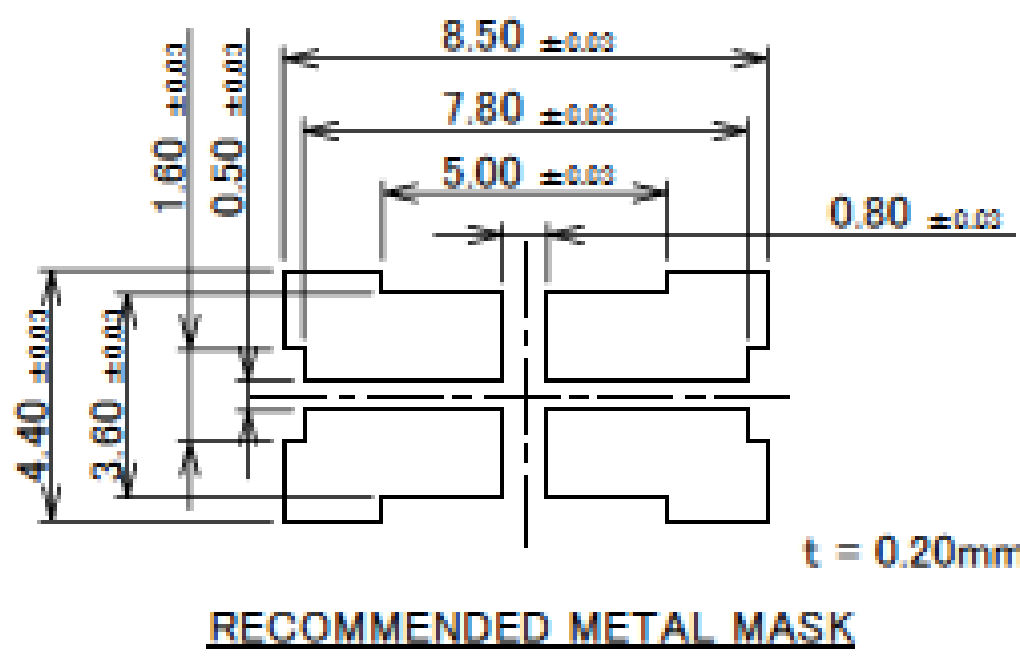
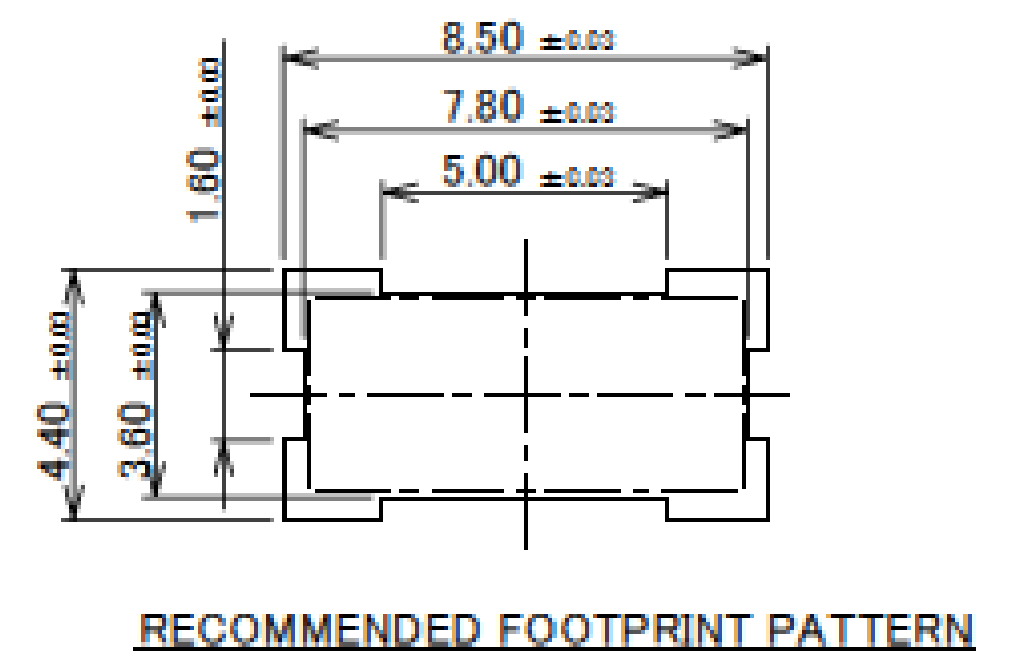


NOTES.
1. APPLICABLE CONNECTOR
AP-10 PLUG H=7.5 mm (P/N: 3531-0001-00T)
AP-10 PLUG H=14.5 mm (P/N: 3539-0001-45T)

1	RECEPTACLE	COPPER ALLOY	Sn 1.00~4.50 μm OVER Ni 1.00~4.50 μm
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

AP Series Receptacle

PART NO.
3532-0001-00T



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

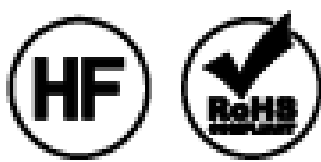
Rev.5

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	3531-0001-00T 3539-0001-45T
RATING AMPERAGE	16A DC
TEMPERATURE RISE	Δ15.0°C Max.
COMPONENT TEMPERATURE(ENERGIZATION)	233~378K(-40°C~+105°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 1.0 mohm MAX. / AFTER TEST : 1.0 mohm MAX.
DURABILITY	3 CYCLES
MATING FORCE	15.0 N MAX.
COPLANARITY	0.10mm MAX.
PRODUCT SPECIFICATION	PRS-2616
TEST REPORT	TR-19063
PACKING STANDARD	PST-17121
APPEARANCE CRITERIA No.	QLS-A***

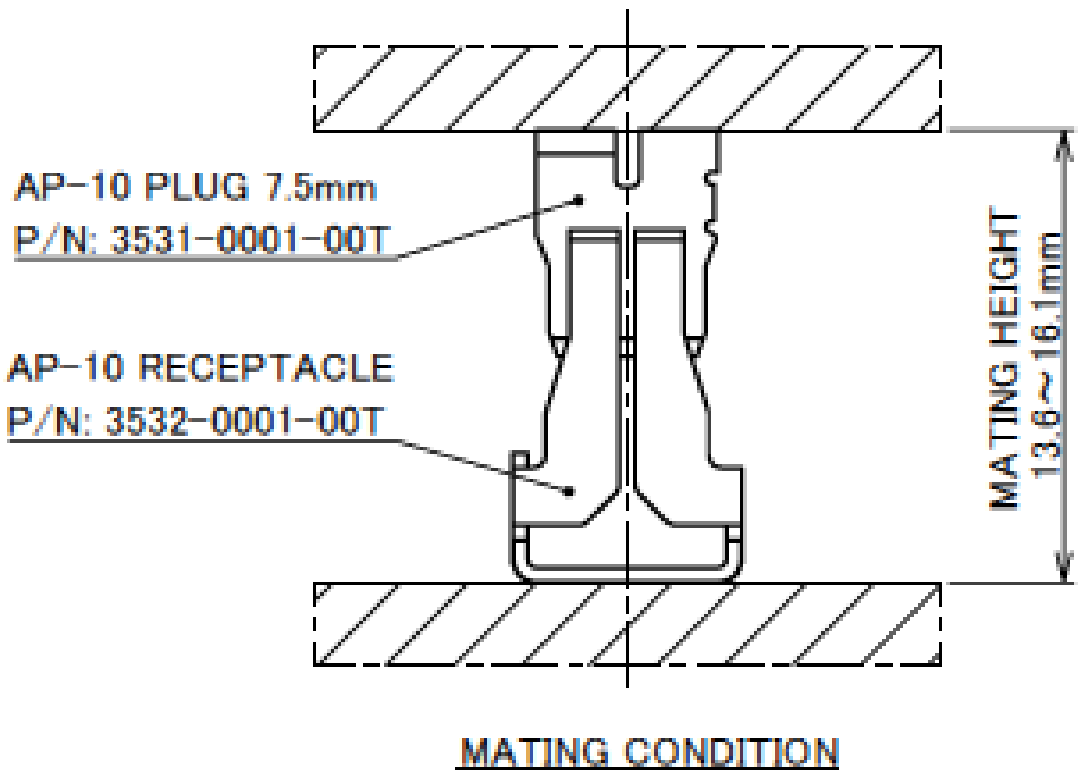
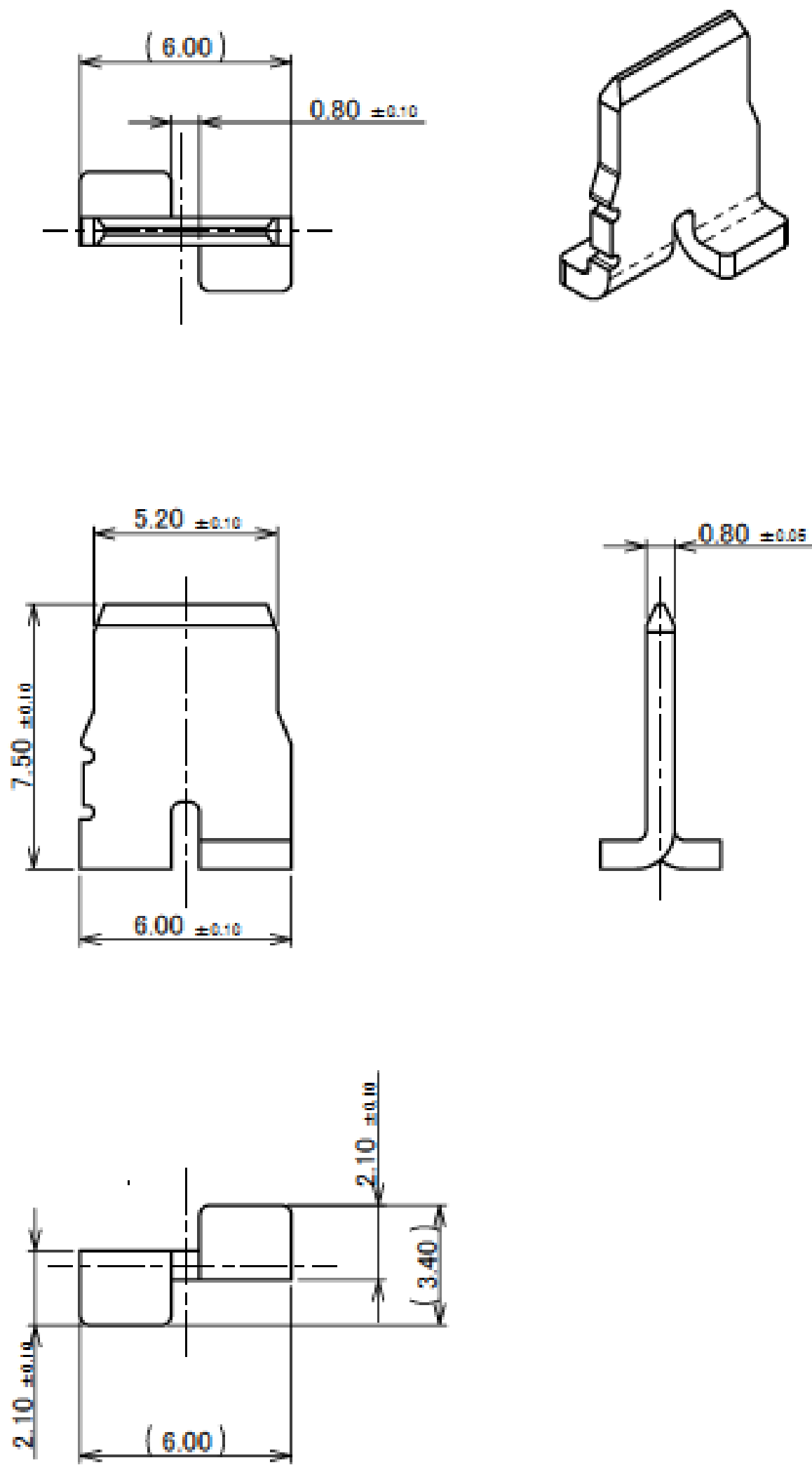
Rev.5

AP Series Plug

Recommended P/N	3531-0001-00T
PART NO.	
3531-0001-00T	



IATF 16949 Cetified [Planned]

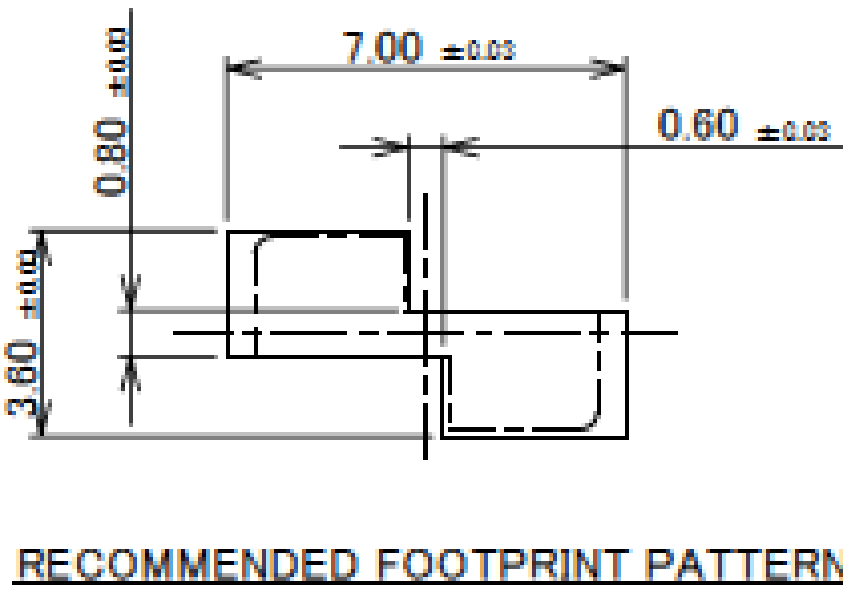


NOTES.
1. APPLICABLE CONNECTOR
AP-10 RECEPTACLE (P/N: 3532-0001-00T)

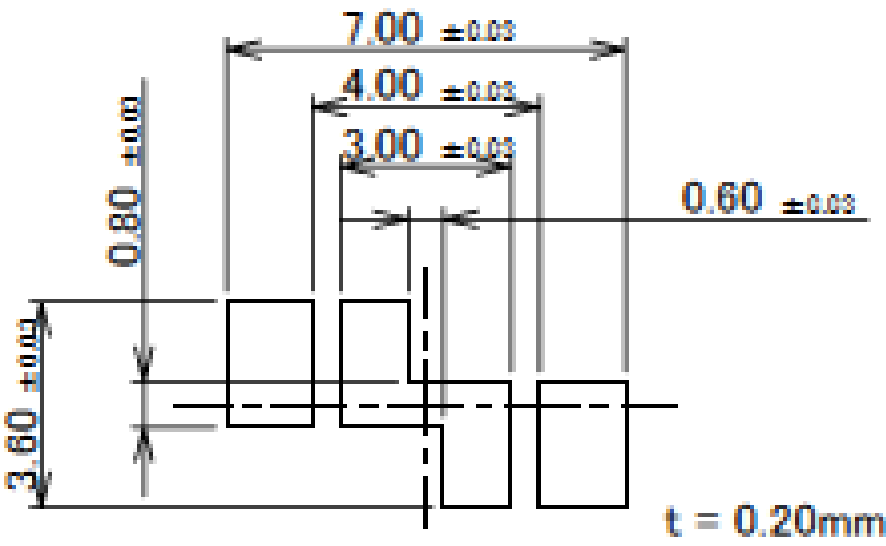
1	PLUG	BRASS	Sn 1.00 μ m ~ 4.50 μ m OVER Ni 1.00 μ m ~ 4.50 μ m
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

Rev.5

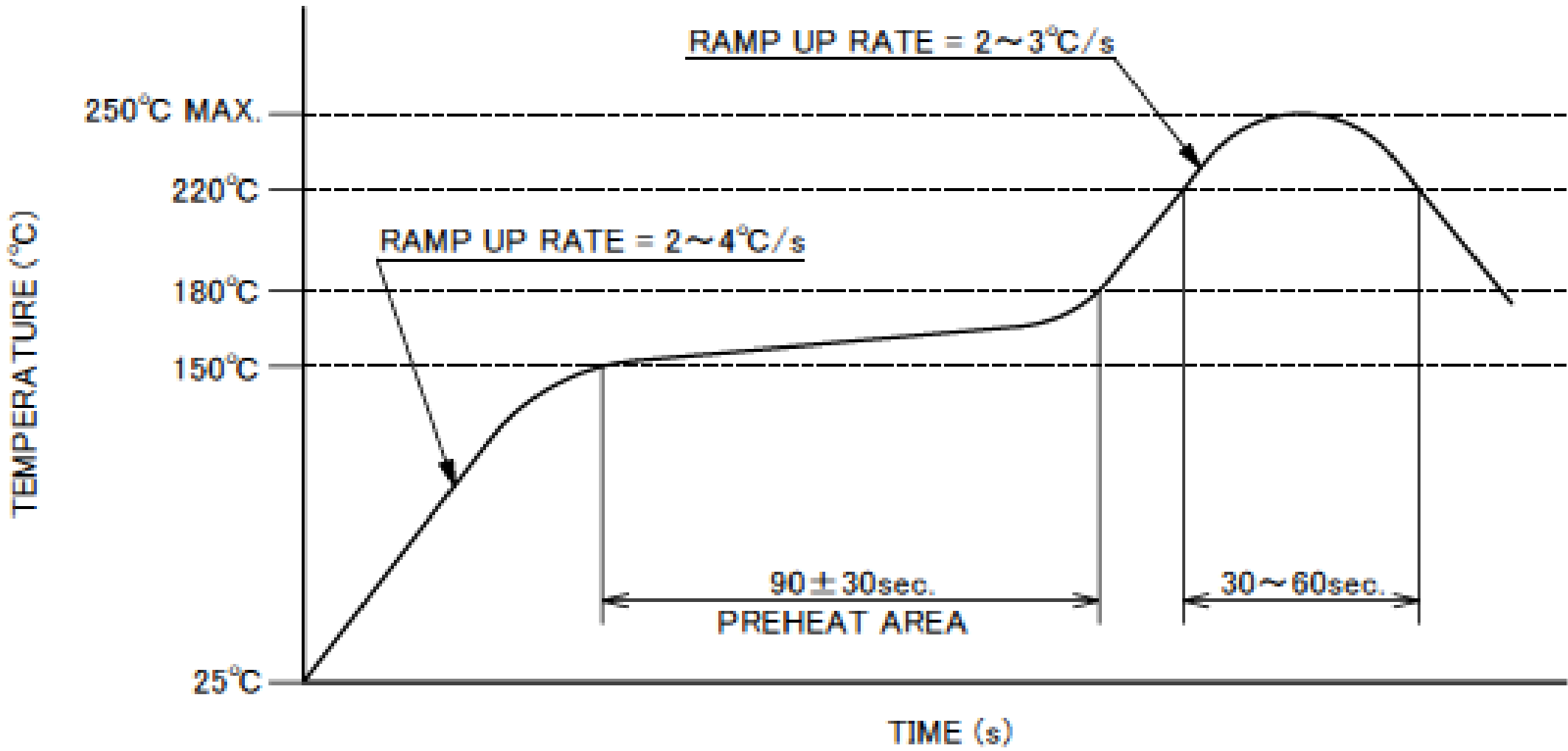
PART NO.
3531-0001-00T



RECOMMENDED FOOTPRINT PATTERN



RECOMMENDED METAL MASK



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

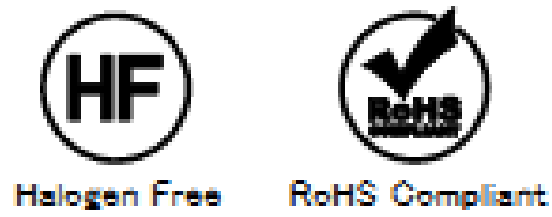
Rev.5

AP Series Plug

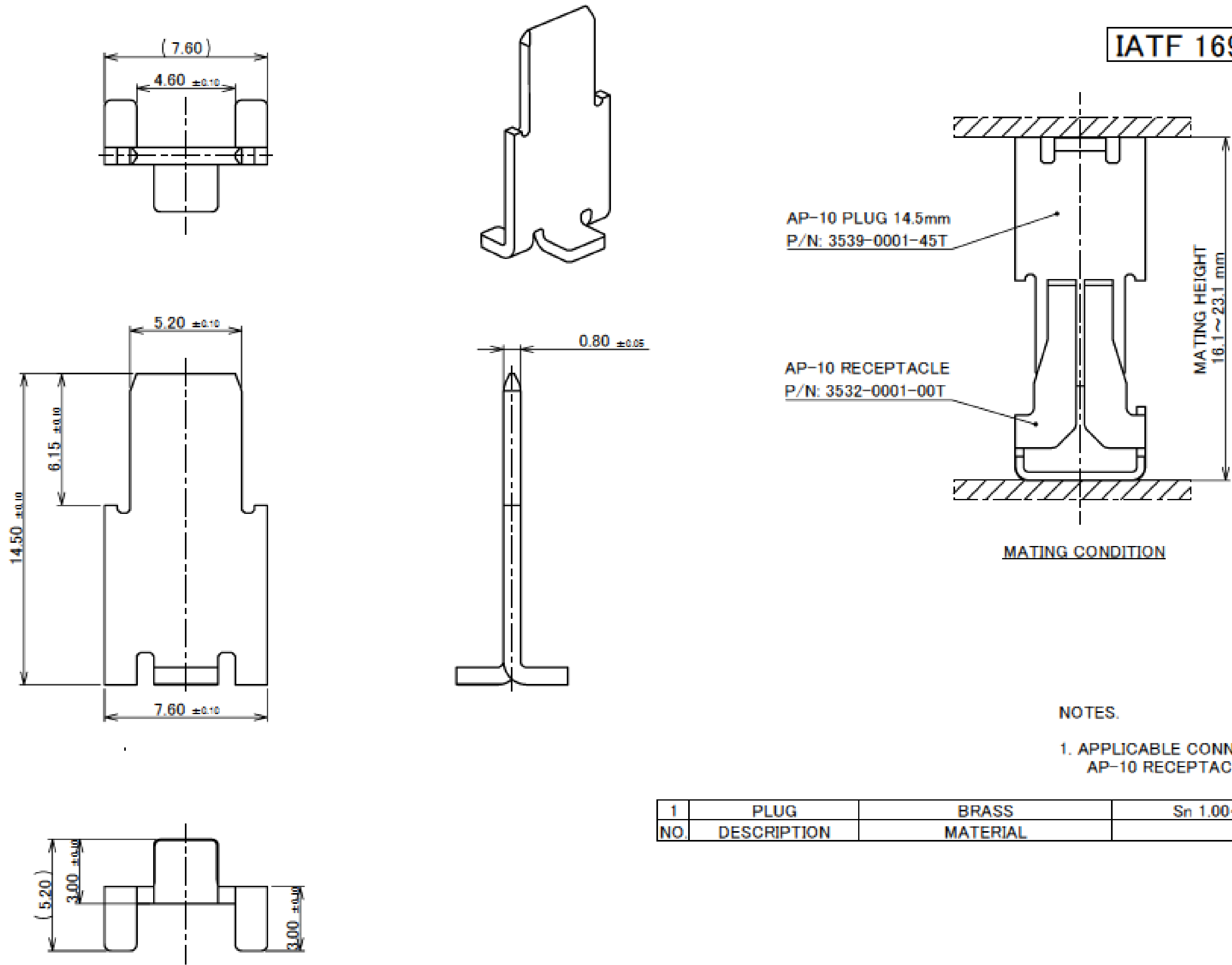
ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	3532-0001-00T
RATING AMPERAGE	16A DC
TEMPERATURE RISE	△15.0℃ MAX.
COMPONENT TEMPERATURE(ENERGIZATION)	233~378K(-40℃~+105℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 1.0 mohm MAX. / AFTER TEST : 1.0 mohm MAX.
DURABILITY	3 CYCLES
MATING FORCE/UNMATING FORCE	15.0 N MAX./15.0 N MAX.
COPLANARITY	0.10mm MAX.
PRODUCT SPECIFICATION	PRS-2616
TEST REPORT	TR-19063
PACKING STANDARD	PST-17120
APPEARANCE CRITERIA No.	QLS-A***

Rev.5

Recommended P/N		3539-0001-45T
PART NO.	PACKING	
3539-0001-45T	TRAY	
3539-0001-45E	EMBOSS	



IATF 16949 Cetified [Planned]

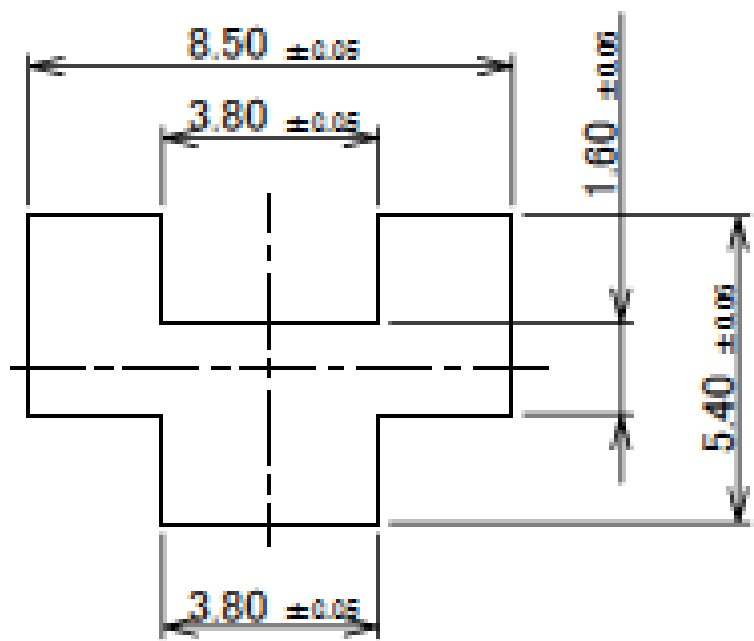


1	PLUG	BRASS	Sn 1.00~4.50 μ m OVER Ni 1.00~4.50 μ m
NO.	DESCRIPTION	MATERIAL	REMARKS, FINISH

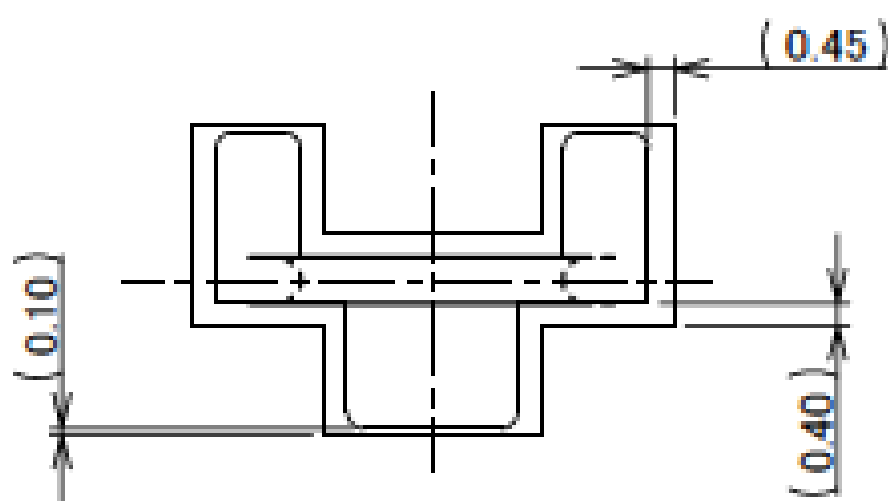
Rev.3

AP Series Plug

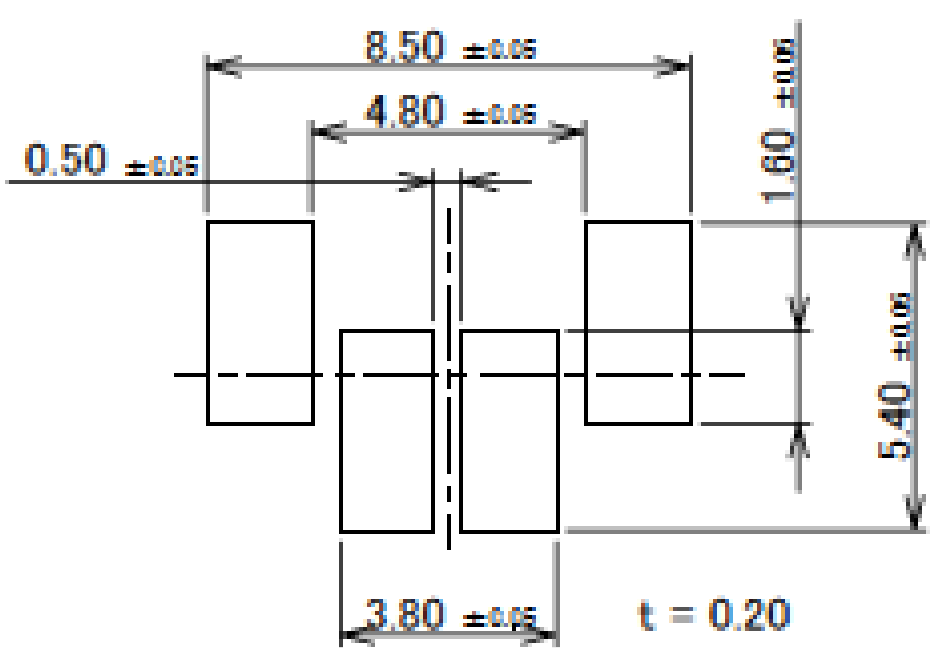
PART NO.	PACKING
3539-0001-45T	TRAY
3539-0001-45E	EMBOSS



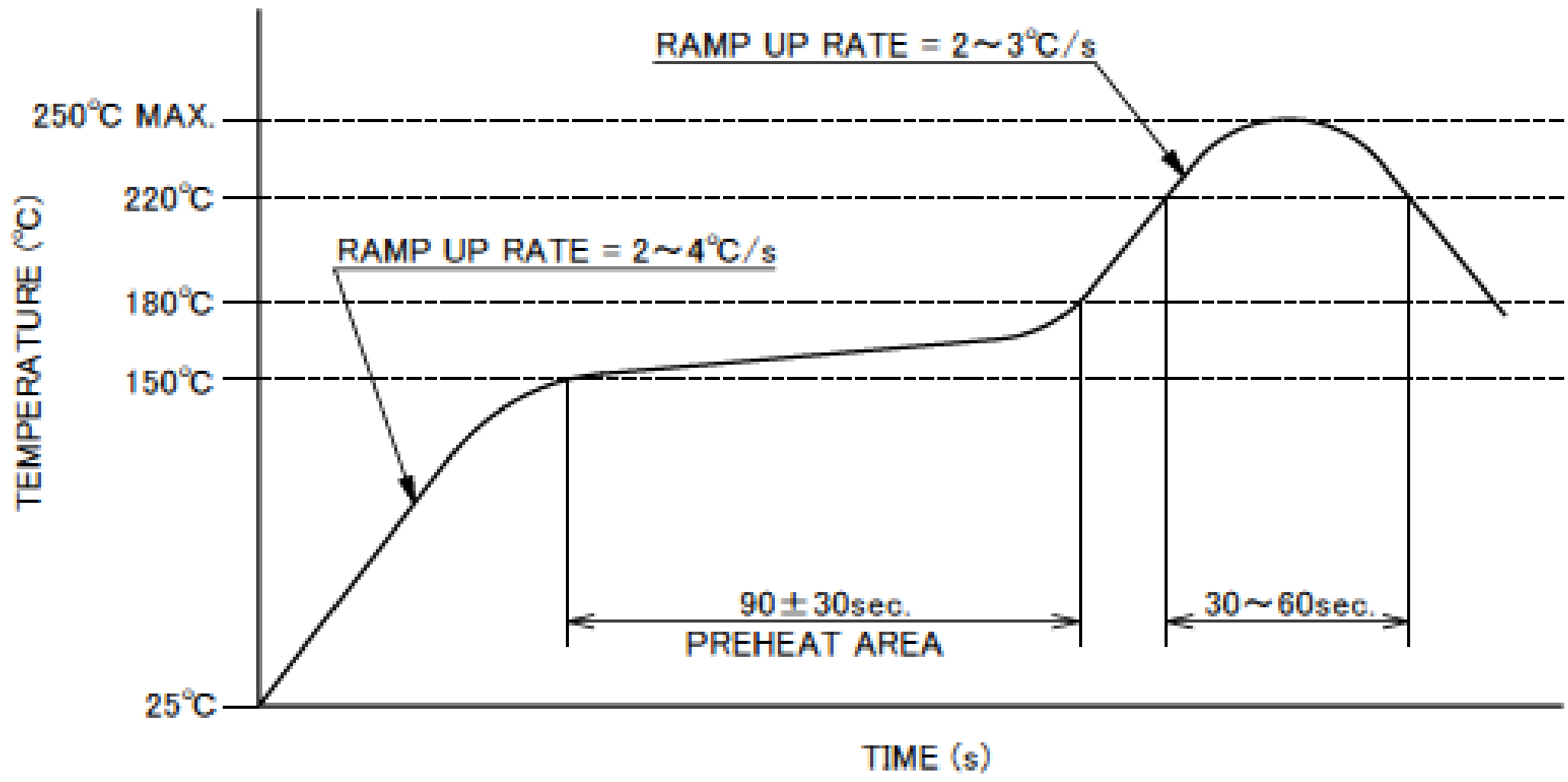
RECOMMENDED PATTERN LAYOUT



CONNECTOR ON RECOMMENDED PATTERN



RECOMMENDED METAL MASK LAYOUT



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

Rev.3

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	3532-0001-00T
RATING AMPERAGE	16A DC
TEMPERATURE RISE	Δ15.0°C MAX
COMPONENT TEMPERATURE (ENERGIZATION)	233~378K(-40°C~105°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 1.0 mohm MAX. / AFTER TEST : 1.0 mohm MAX.
DURABILITY	3 CYCLES
MATING FORCE/UNMATING FORCE	15.0 N MAX./15.0 N MAX.
COPLANARITY	0.10mm MAX.
PRODUCT SPECIFICATION	PRS-2616
TEST REPORT	TR-19063
PACKING STANDARD	PST-22010(TRAY) PST-23067(EMBOSS)
APPEARANCE CRITERIA No.	QLS-A***

Rev.3

Custom Connectors Available

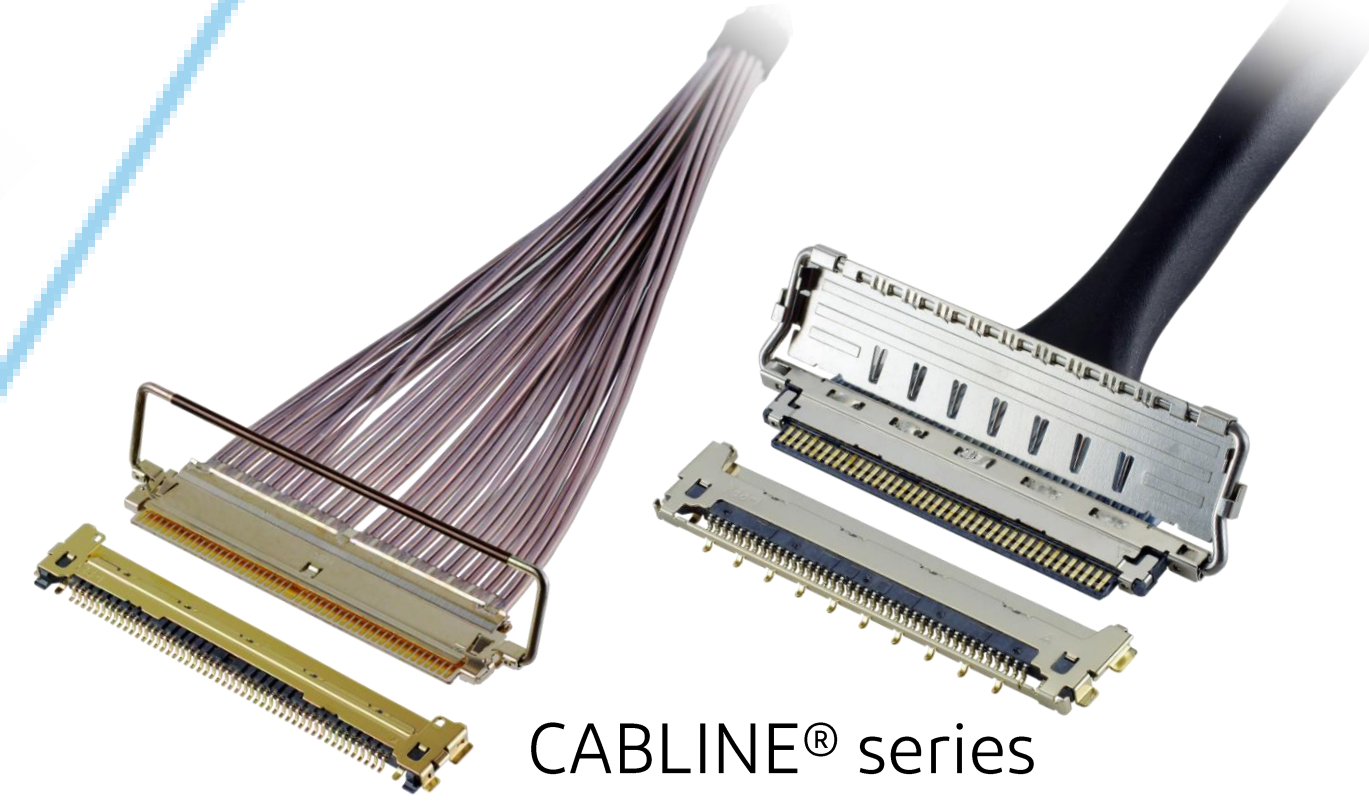


RF
Connectors

MHF® series

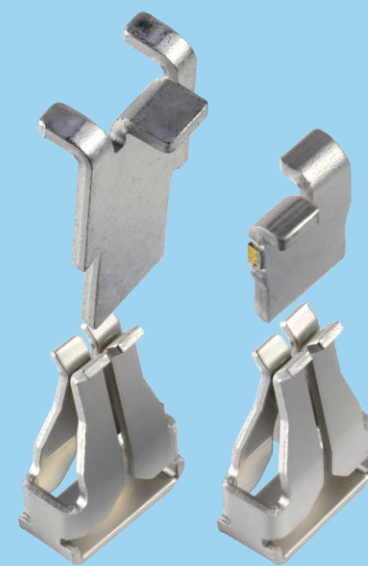


CABLINE® series
Micro-coaxial/Twinax
Connectors



Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



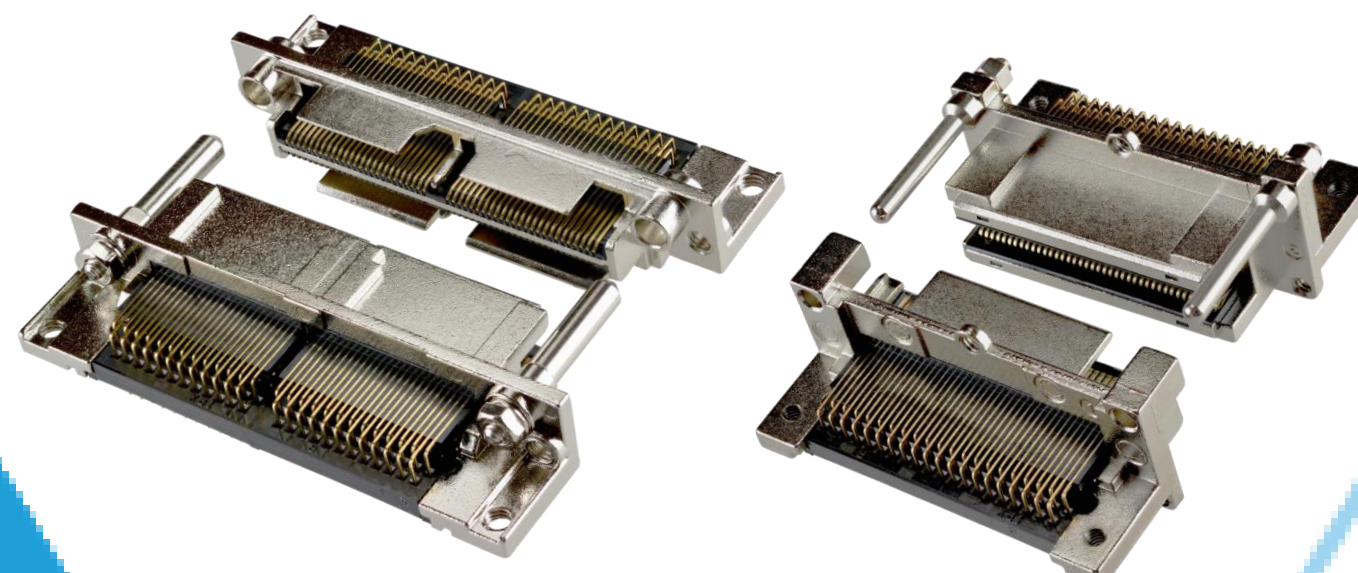
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series

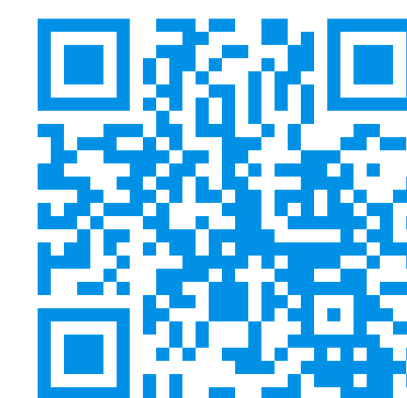


FPC/FFC
Connectors

MINIFLEX® series EVAFLEX® series



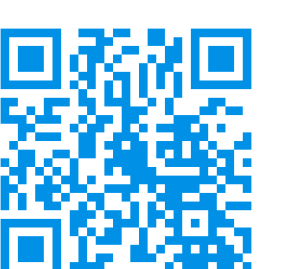
Inquiry



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