

AP-10

大電流、高温対応基板対基板電源端子、パワーエレクトロニクス装置の小型化に貢献、高さ違い対応可能

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)
		Width (mm)
	Depth	6.0 +/- 0.1 (Plug: 7.5) 7.6 +/- 0.1 (Plug: 14.5)

Product Specifications:

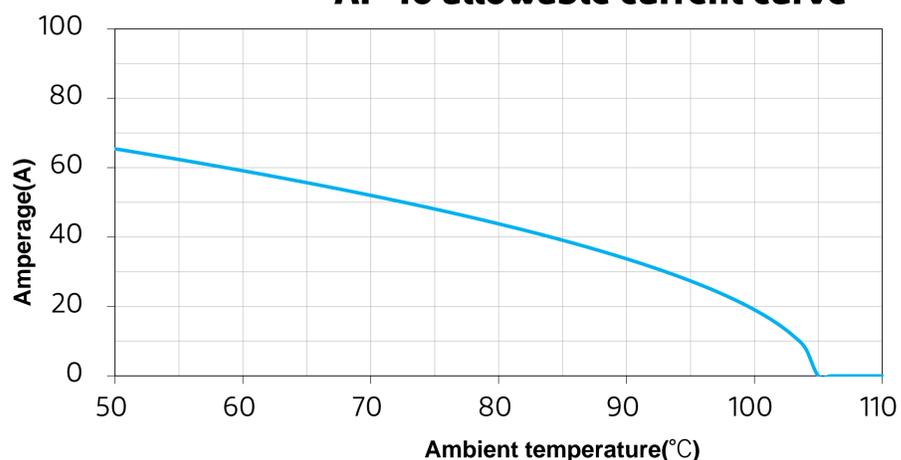
Operating Temperature	-40 - 105°C
Mating force	15N Max.
Contact resistance	1.0 mΩ Max.

*記載のない極数の対応状況についてはお問い合わせください。

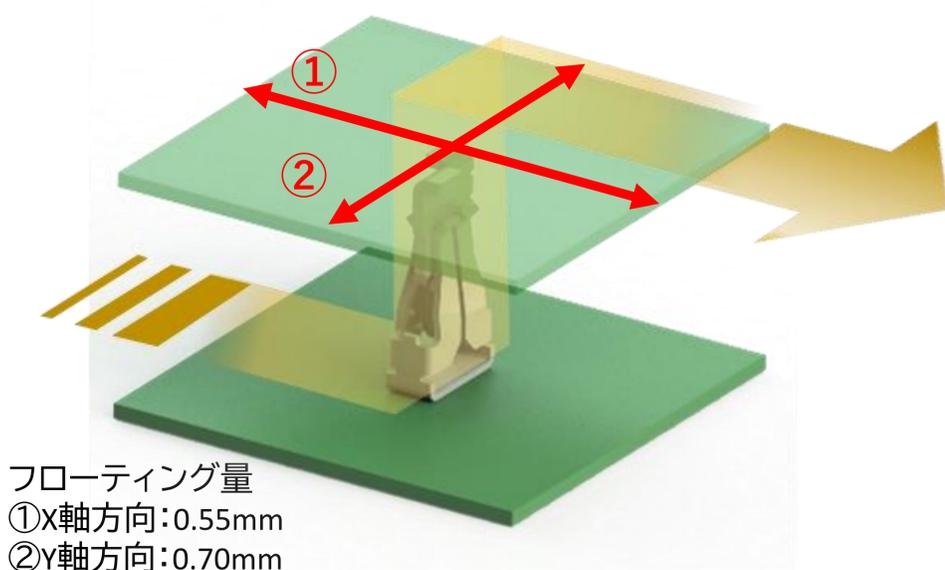


▶ 大電流、高温対応、基板間接続電源端子

AP-10 allowable current curve



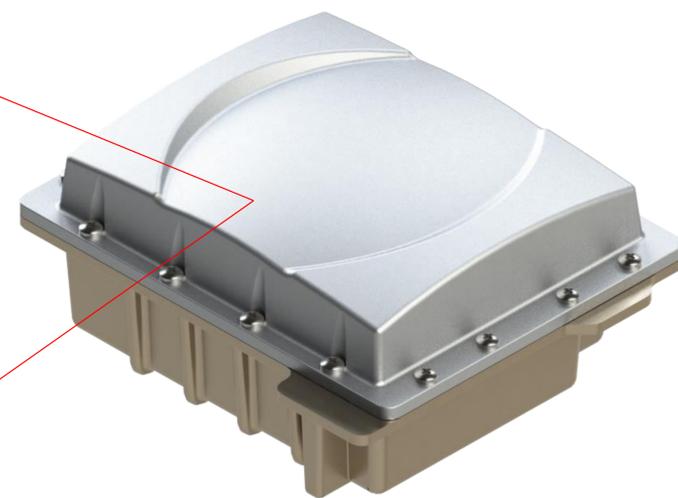
*上記結果は弊社が定める試験条件での実測結果となります
*使用環境に依存しますので、詳細はお問い合わせください



▶ 小型化による基板の省スペース設計に寄与

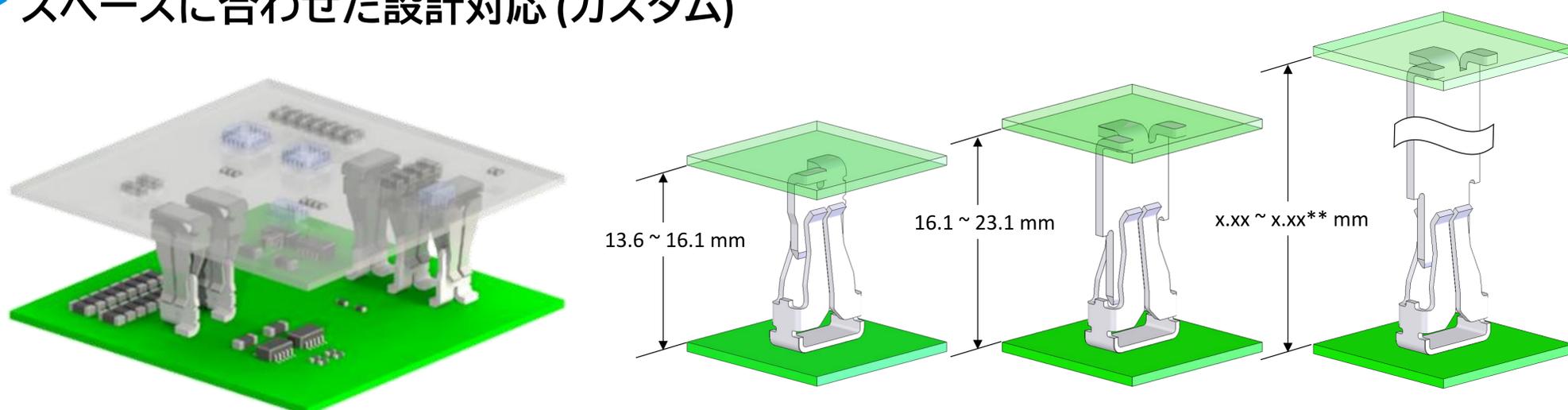
従来の接続方式との比較

項目	金属バスバー	基板実装コネクタ
概略図		
占有面積	X	O
作業性	△	O



DC-DCコンバーターやインバーターといった
パワーエレクトロニクス装置に最適

▶ スペースに合わせた設計対応 (カスタム)



複数の高さの製品をご提供します

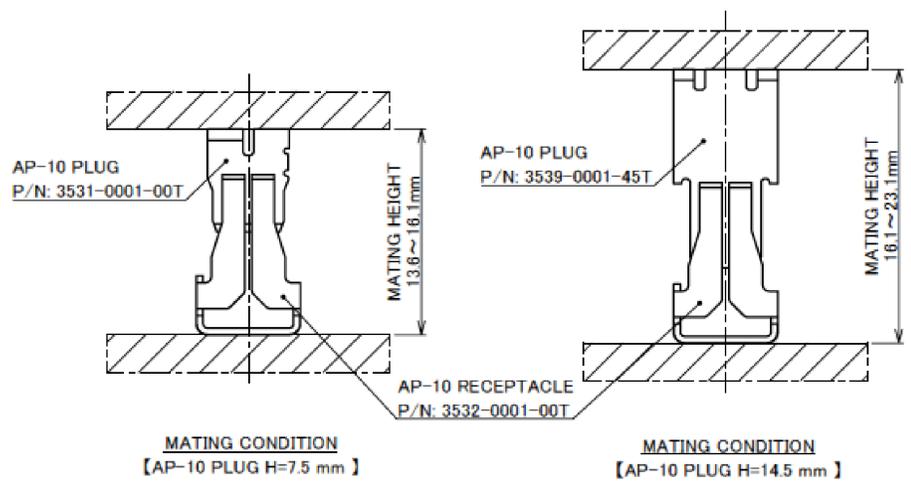
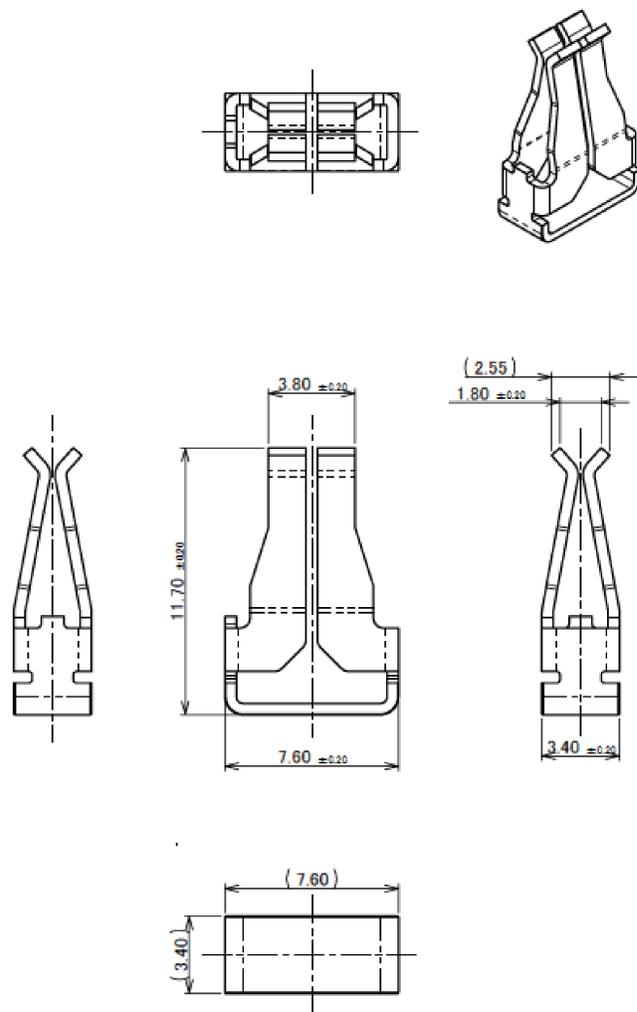
Component Parts Details

AP Series Receptacle

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



IATF 16949 Cetified [Planned]

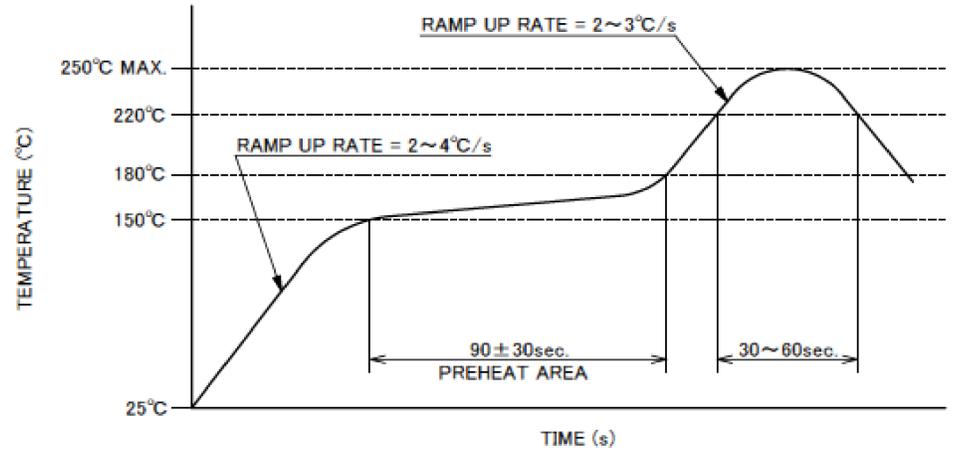
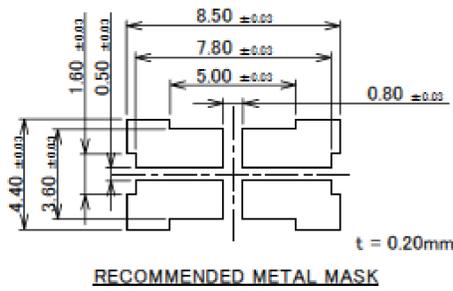
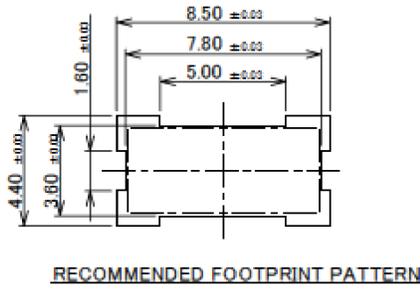


NOTES.
 1. APPLICABLE CONNECTOR
 AP-10 PLUG H=7.5 mm (P/N: 3531-0001-00T)
 AP-10 PLUG H=14.5 mm (P/N: 3539-0001-45T)

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

AP Series Receptacle

PART NO.
3532-0001-00T



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	Δ150°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***

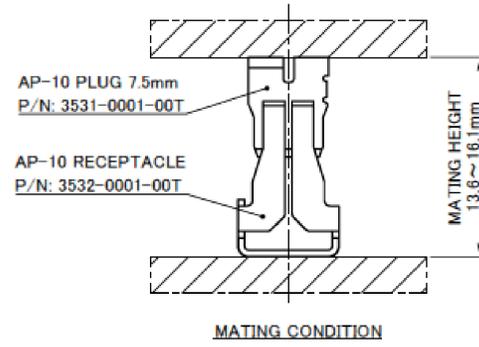
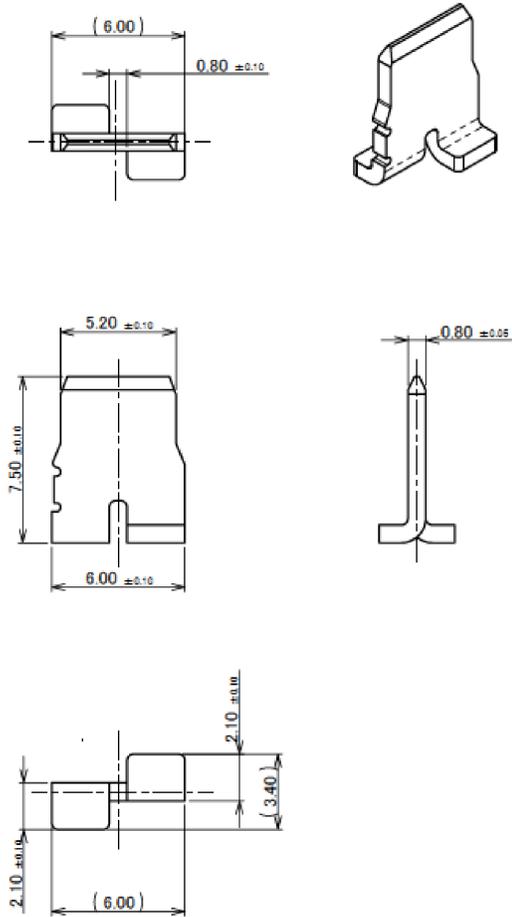
Rev.5

AP Series Plug

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



IATF 16949 Cetified [Planned]

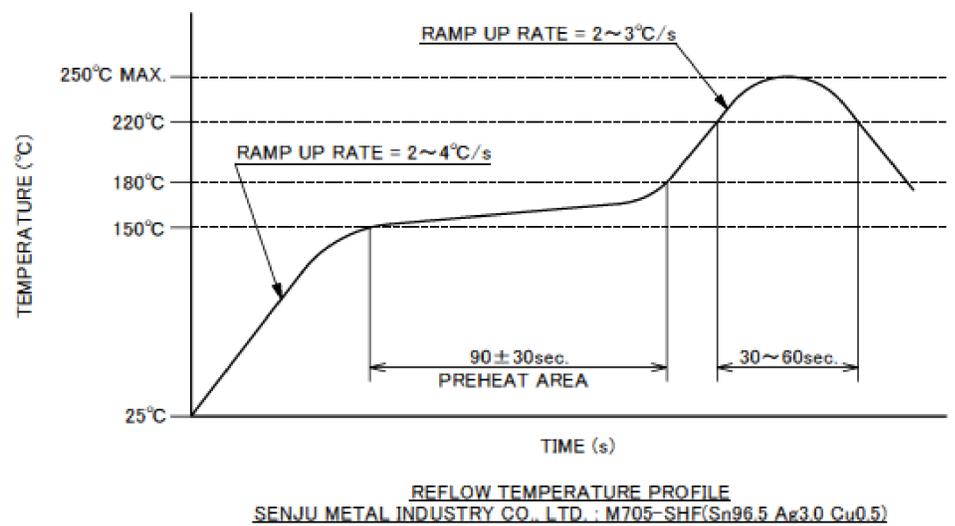
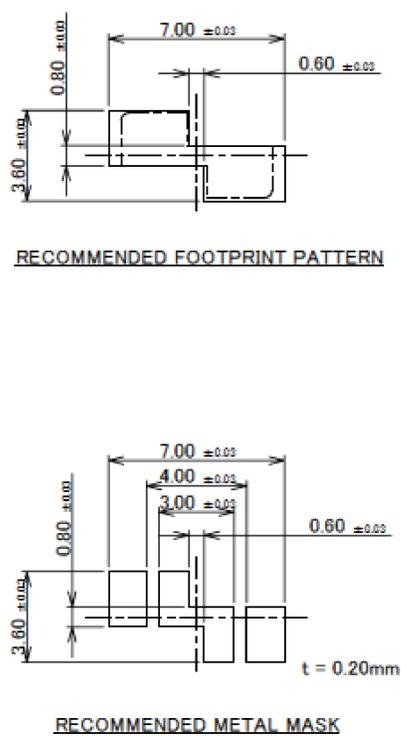


NOTES.
1. APPLICABLE CONNECTOR
AP-10 RECEPTACLE (P/N: 3532-0001-00T)

NO.	DESCRIPTION	MATERIAL	FINISH . REMARKS
1	PLUG	BRASS	Sn 1.00 μm ~ 4.50 μm OVER Ni 1.00 μm ~ 4.50 μm

Rev.5

PART NO.
3531-0001-00T



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°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-17120
APPEARANCE CRITERIA No.	QLS-A***

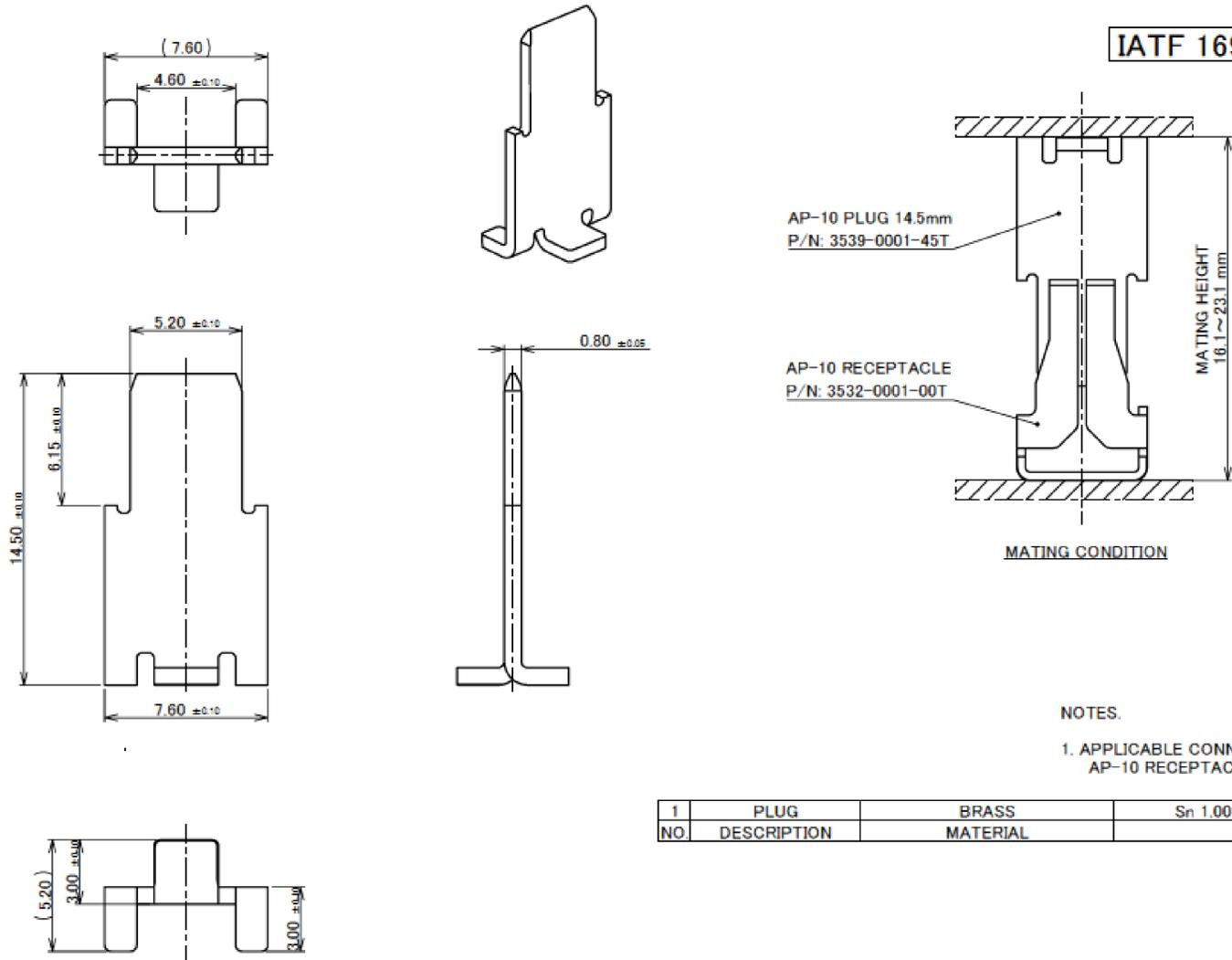
Rev.5

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



Halogen Free RoHS Compliant

IATF 16949 Cetified [Planned]



NOTES.

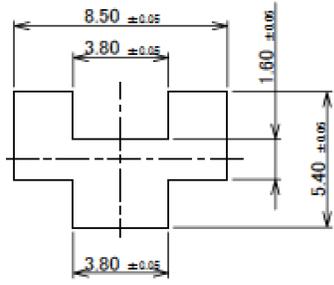
1. APPLICABLE CONNECTOR
AP-10 RECEPTACLE (P/N: 3532-0001-00T)

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

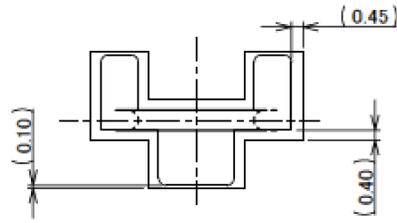
Rev.3

AP Series Plug

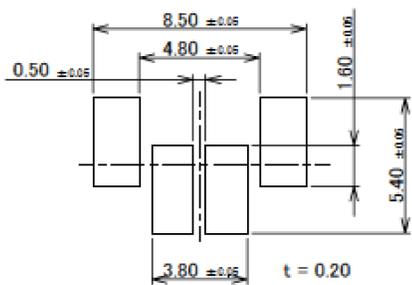
PART NO.	PACKING
3539-0001-45T	TRAY
3539-0001-45E	EMBOSS



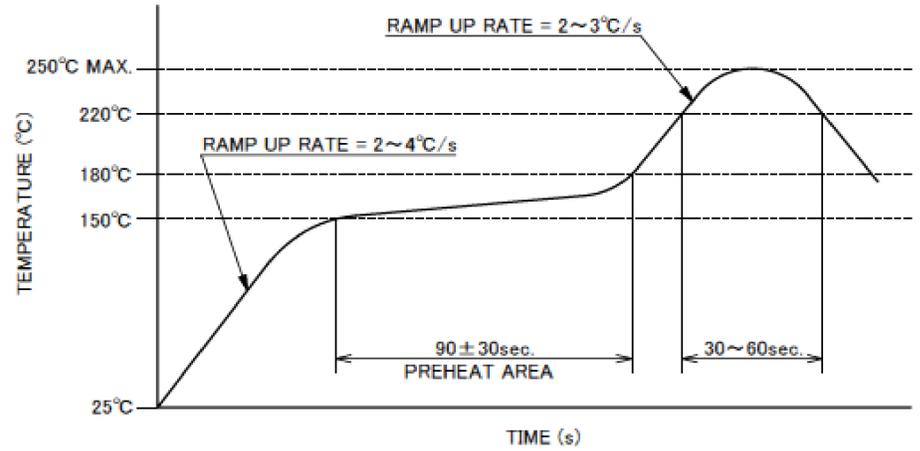
RECOMMENDED PATTERN LAYOUT



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



Micro-coaxial/Twinax Connectors



Wire-to-Board Connectors/Terminals

AP series

ISH® series



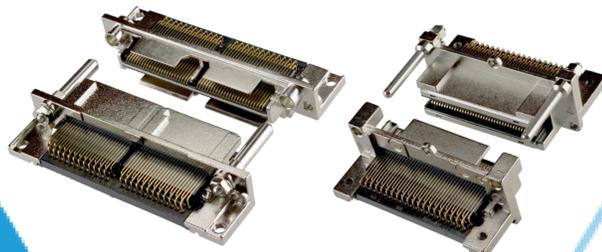
NOVASTACK® series



Board-to-Board Connectors



I/O Connectors



MINIDOCK™ series

MINIFLEX® series EVAFLEX® series



FPC/FFC Connectors



Inquiry



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