AP-10

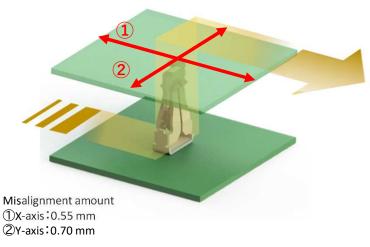
High-power supply terminal, high heat resistance board-to-board connection. Contribute to miniaturization of automotive chargers, height differences can be customized.

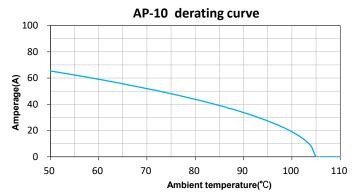
Todact Specifications.		
Mating type		Vertical
Wiping Length (mm)		2.55 (Plug: 7.5)
		4.80 (Plug 14.5)
Hoight (none)	13.6 ~ 16.1 (Plug: 7.5)	
	Width (mm) Depth	16.1 ~ 23.1 (Plug: 14.5)
		7.6 (Rece)
Sin - ()		3.4 (Plug: 7.5)
Size (mm)		5.2 (Plug: 14.5)
		3.4 +/- 0.2 (Rece)
		6.0 +/- 0.1 (Plug: 7.5)
		7.6 +/- 0.1 (Plug: 14.5)
* Please inquire for pin counts not listed or outside of the pin count range.		

Product Specifications:		
Operating Temperati	ure -40 - 105°C	
Mating force	15N Max.	
Contact resistance	1.0 mΩ Max.	



High current and temperature resistance, board-to-board power supply terminal



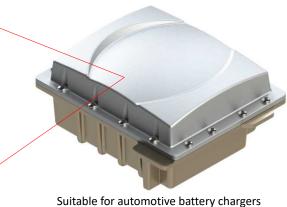


^{*}The above results are actual measurement results under the test conditions specified by I-PEX.

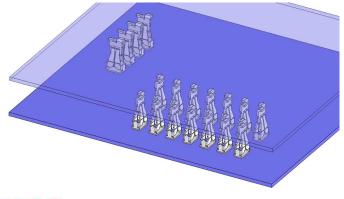
Contribute space-saving design on PCB achieved by miniaturization of connector

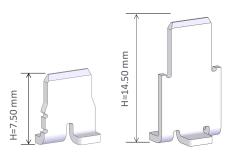
Comparison with traditional connect methods

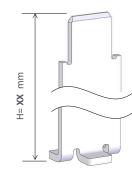
Category	Bus bar	BtoB connector
Drawing		
Size wise	X	0
Tact wise	\triangle	0



Dealing with custom made design





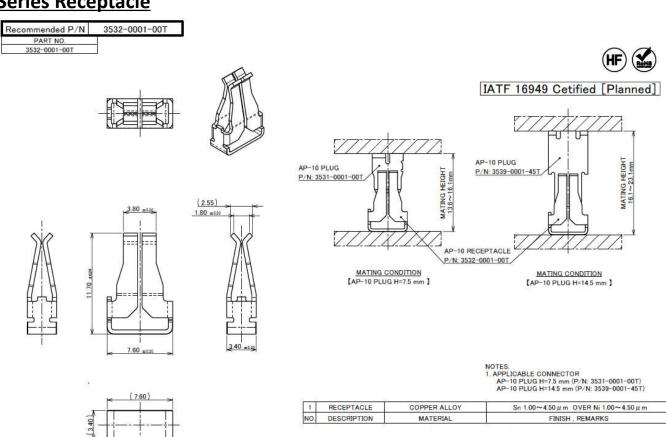




^{*}The results depend on the operating environment, so please contact us for

Component Parts Details

AP Series Receptacle



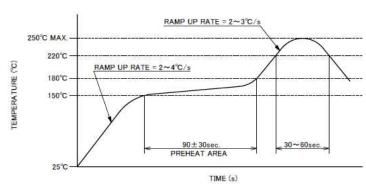


AP Series Receptacle

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	△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	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***

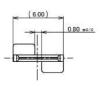


AP Series Plug

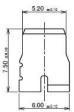
Recommended P/N	3531-0001-00T
PART NO.	ģ.
3531-0001-00T	



IATF 16949 Cetified [Planned]

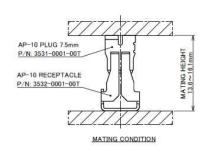












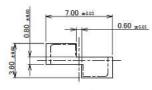
NOTES.

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

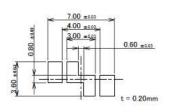
1	PLUG	BRASS	Sn 1.00 μ m~4.50 μ m OVER Ni 1.00 μ m~4.50 μ m
NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS

Rev.5

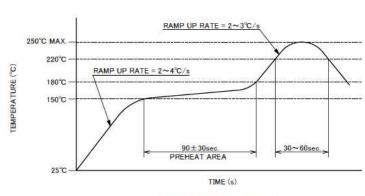
PART NO. 3531-0001-00T



RECOMMENDED FOOTPRINT PATTERN



RECOMMENDED METAL MASK



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

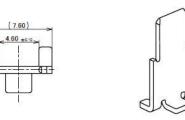


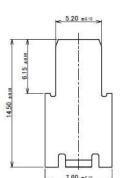
AP Series Plug

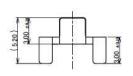
ITEMS	SPECIFICATION	
APPLICABLE CONNECTOR PART No.	3532-0001-00T	
RATING AMPERAGE	16A DC	
TEMPERATURE RISE	△15.0°C MAX.	
COMPONENT TEMPERATURE(ENERGIZATION)	233~378K(-40°C~+105°C)	
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)	
CONTACT RESISTANCE	INITIAL: 1.0 mohm MAX. / AFTER TEST: 1.0 mohm MAX	
DURABILITY	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***	

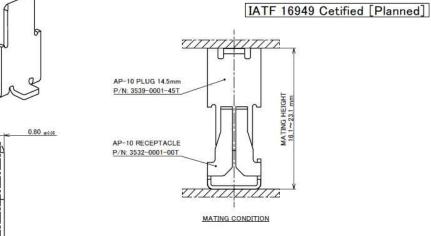
Rev.5

Recommended P/N
PART NO
3539-0001-45T 3539-0001-45T









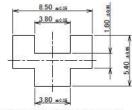
1. APPLICABLE CONNECTOR AP-10 RECEPTACLE (P/N: 3532-0001-00T)

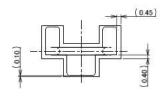
176 50	90		W.
1	PLUG	BRASS	Sn 1.00~4.50 μ m OVER Ni 1.00~4.50 μ m
NO	DESCRIPTION	MATERIAL	REMARKS FINISH



AP Series Plug

PART NO. 3539-0001-45T

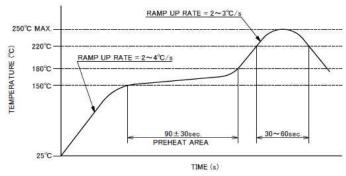




RECOMMENDED PATTERN LAYOUT

CONNECTOR ON RECOMMENDED PATTERN





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

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-22010
APPEARANCE CRITERIA No.	QLS-A***

I-PEX

Rev.2



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