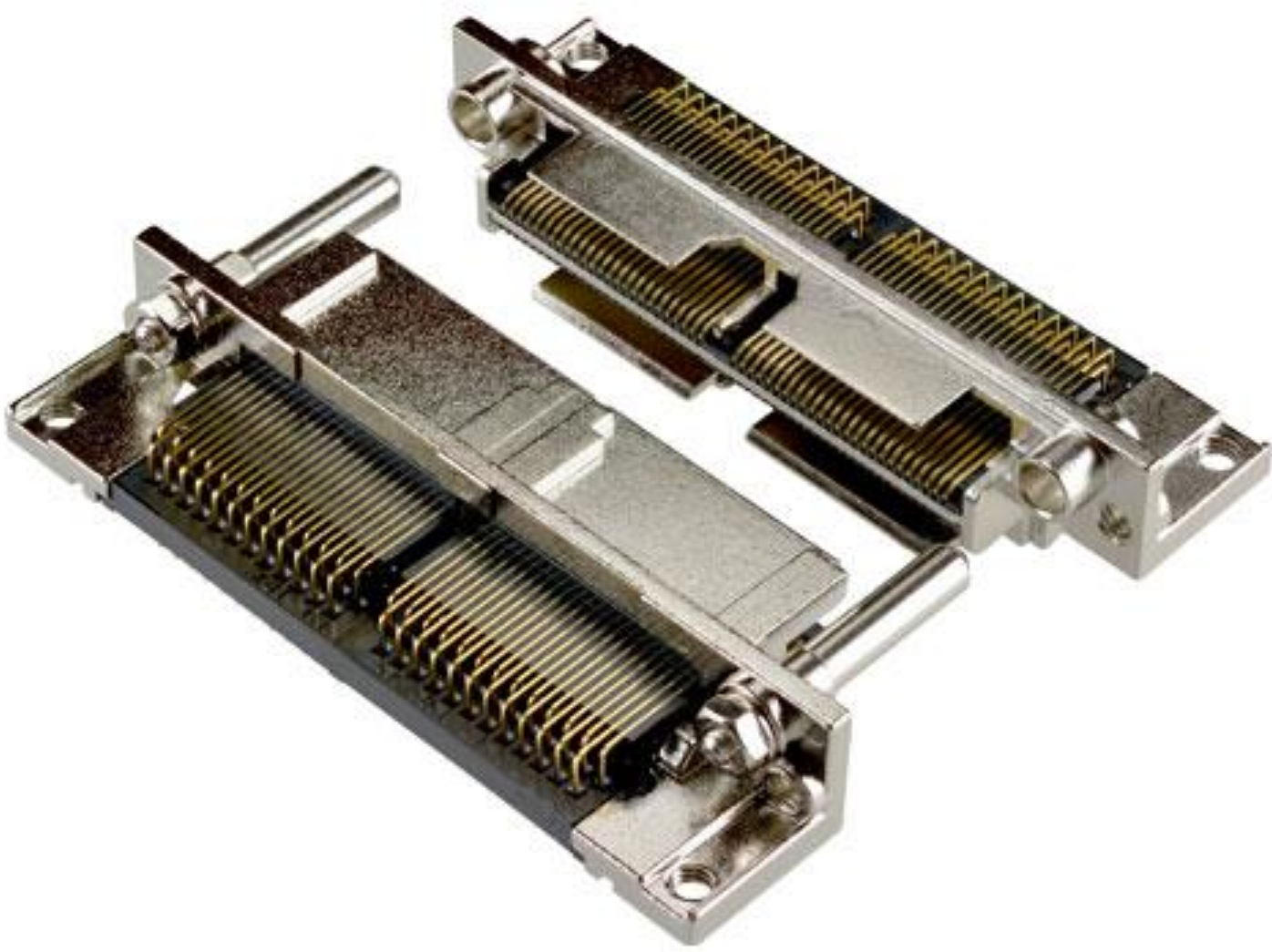


MINIDOCK™ STANDARD

Robust high-pin-count docking I/O connector



Product Specifications:

Board Pitch (mm)		0.635
Size (mm)	Height	9.9 ~ 16.9 mm (Plug) 11.13 ~ 22.53 mm (Rece)
	Width	36.0 ~ 96.10 mm (Plug / Rece)
	Depth	9.9 ~ 17.8 mm (Plug) 11.13 ~ 22.53 mm (Rece)
Rating	Amperage	0.5 A AC/DC (Per Contact Pin)
	Voltage	250 V AC/DC (Per Contact Pin)

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

► **Rugged, secure and reliable I/O connector for multiple applications**

Standard Type Plug :

Part Number	Pin Count	Mating Type	Contact Type	Appearance
30001	100, 240	Right Angle	All Long Pin Standard Type	
30094	200		All Long Pin Offset Type	

Standard Type Receptacle :

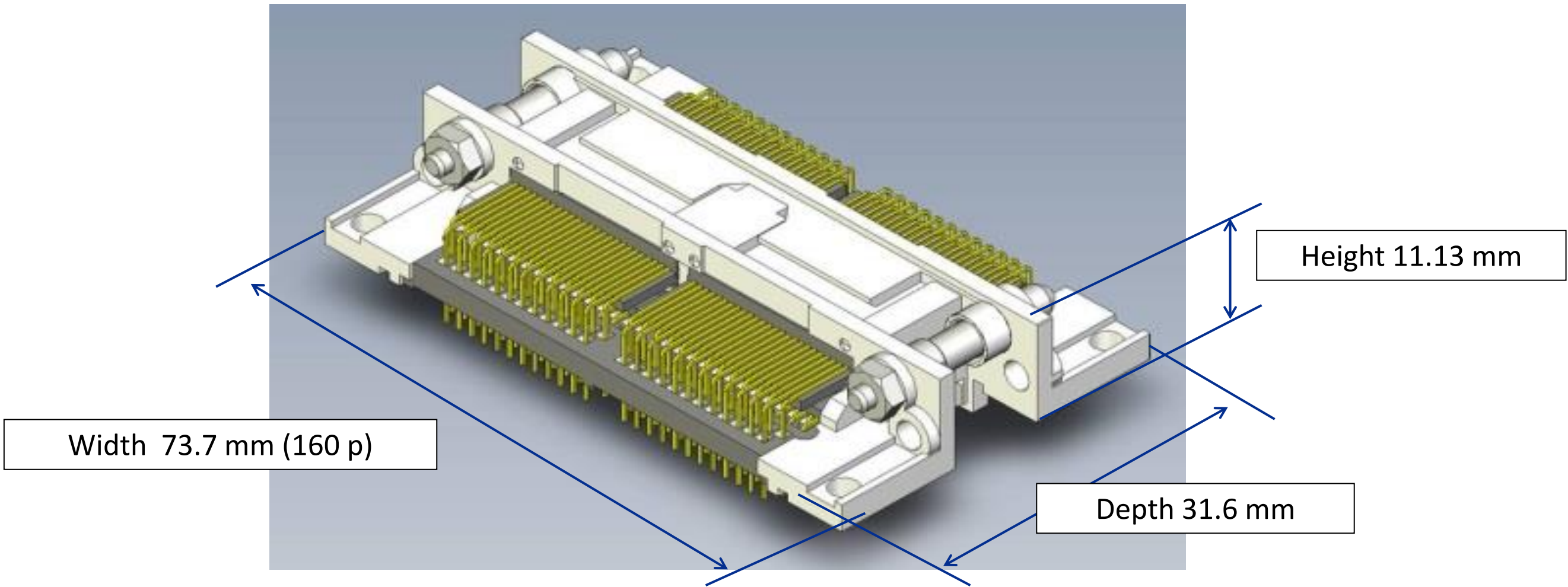
Part Number	Pin Count	Mating Type	Appearance
30002	100, 240	Right Angle	
30007	200	Vertical	

► **Durable up to 5,000 mating cycles**

Right Angle Plug – Right Angle Receptacle pair

Part Number

- Plug- 30001
- Receptacle 30002

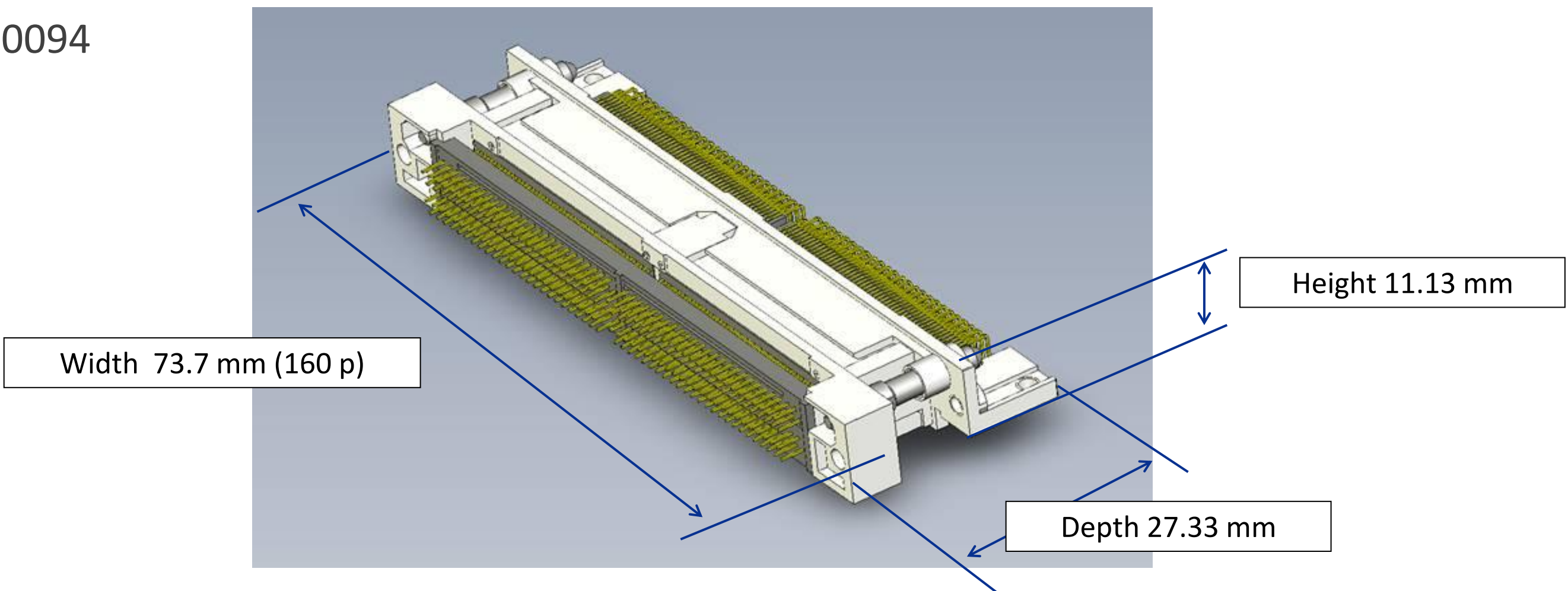


► **Wide selection of mating directions and circuit sizes**

Right Angle Plug – Vertical Receptacle pair

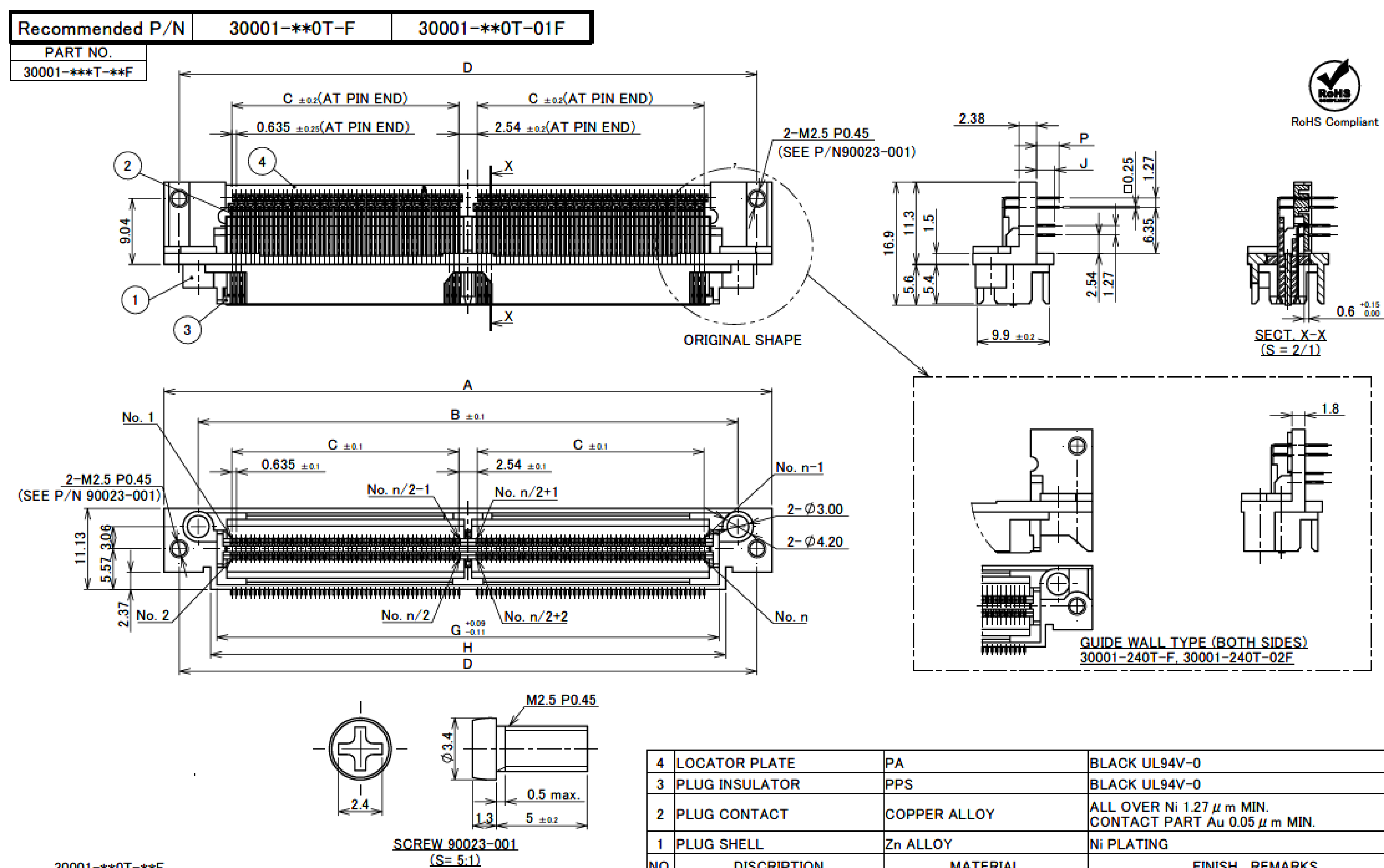
Part Number

- Plug 30001, 30094
- Receptacle 30007



Component Parts Details

Plug Assembly



30001-**0T-**F
 NONE: WITHOUT SCREW
 01, 02: WITH SCREW

EXAMPLE
POS.10 : 100P
24 : 240P

24 : 240P

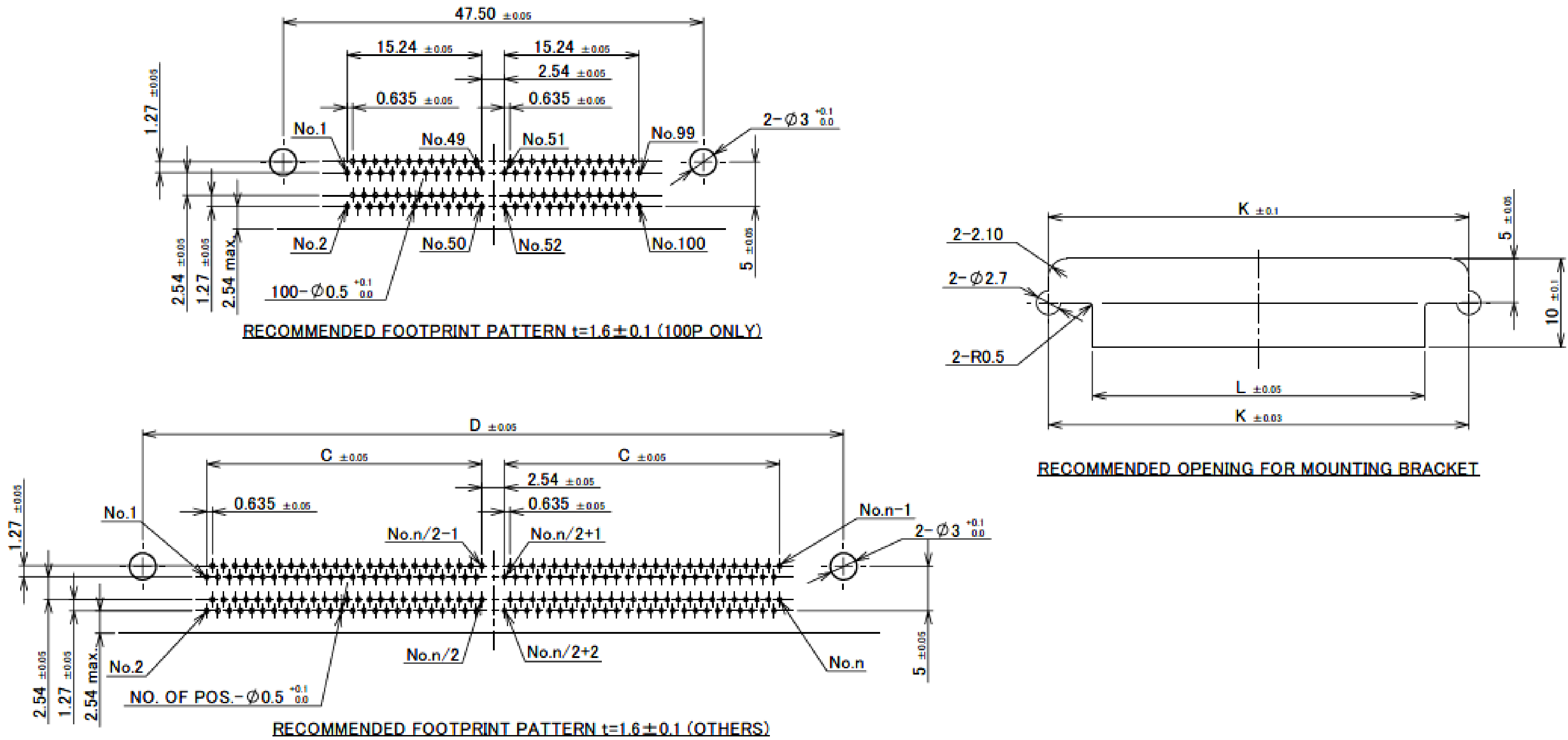
NOTES

1. CONNECTOR TO BE MATED: 30002, 30006, 30007, 30009

4	LOCATOR PLATE	PA	BLACK UL94V-0
3	PLUG INSULATOR	PPS	BLACK UL94V-0
2	PLUG CONTACT	COPPER ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.05 μ m MIN.
1	PLUG SHELL	Zn ALLOY	Ni PLATING
NO.	DISCRIPTION	MATERIAL	FINISH REMARKS

Plug Assembly

PART No.	POS.	A	B	C	D	G	H	P	J	K	L	SCREW	NOTE
30001-100T-F	100P	51.65	42.25	15.24	47.50	37.35	38.85	2.5	2.1	47.52	37.55	WITHOUT SCREW	-
30001-240T-F	240P	96.10	86.70	37.465	91.95	81.80	83.30	3.1	2.5	91.95	82.00		GUIDE WALL TYPE
30001-100T-01F	100P	51.65	42.25	15.24	47.50	37.35	38.85	2.5	2.1	47.52	37.55	WITH SCREW	-
30001-240T-02F	240P	96.10	86.70	37.465	91.95	81.80	83.30	3.1	2.5	91.95	82.00		GUIDE WALL TYPE



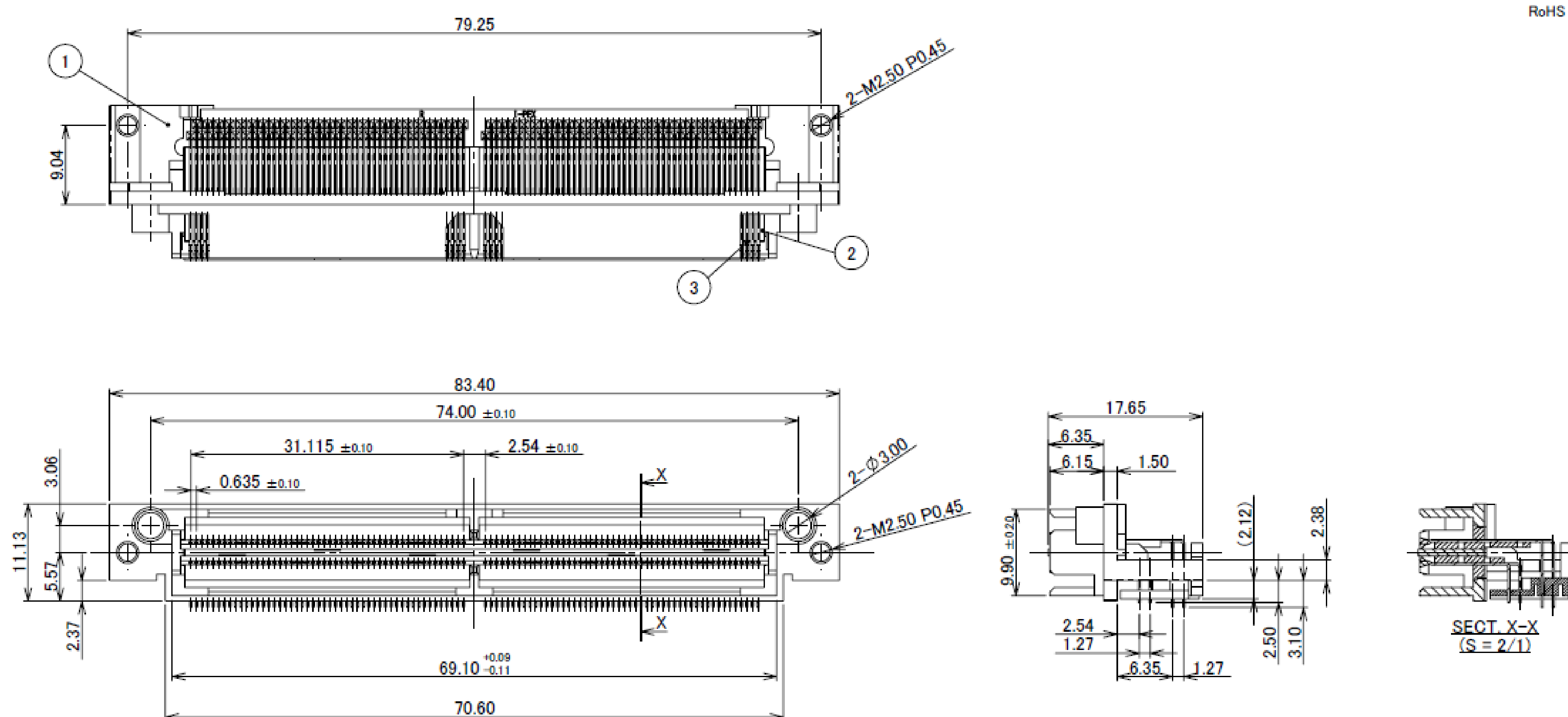
Rev.35

ITEMS	SPECIFICATION
RATING VOLTAGE	250V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	208~358K(-65°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : \angle 25mohm MAX.
INSULATION RESISTANCE	INITIAL : 10,000Mohm MIN. / AFTER TEST : 1,000Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC500V 1min
DURABILITY	5,000 CYCLES
MATING FORCE (INITIAL)	0.9N/pos. MAX.
UNMATING FORCE (AFTER TEST)	0.059N/pos. MIN.
COPLANARITY	-
PRODUCT SPECIFICATION	PRS-1011
TEST REPORT	TR-9020
PACKING STANDARD	300-014
INSTRUCTION MANUAL	-
APPEARANCE CRITERIA No.	QLS-A***

Rev.35

Plug Assembly

Recommended P/N		30094-200T-01F
PART No.	SCREW	
30094-200T-F	WITH SCREW	
30094-200T-01F	WITHOUT SCREW	



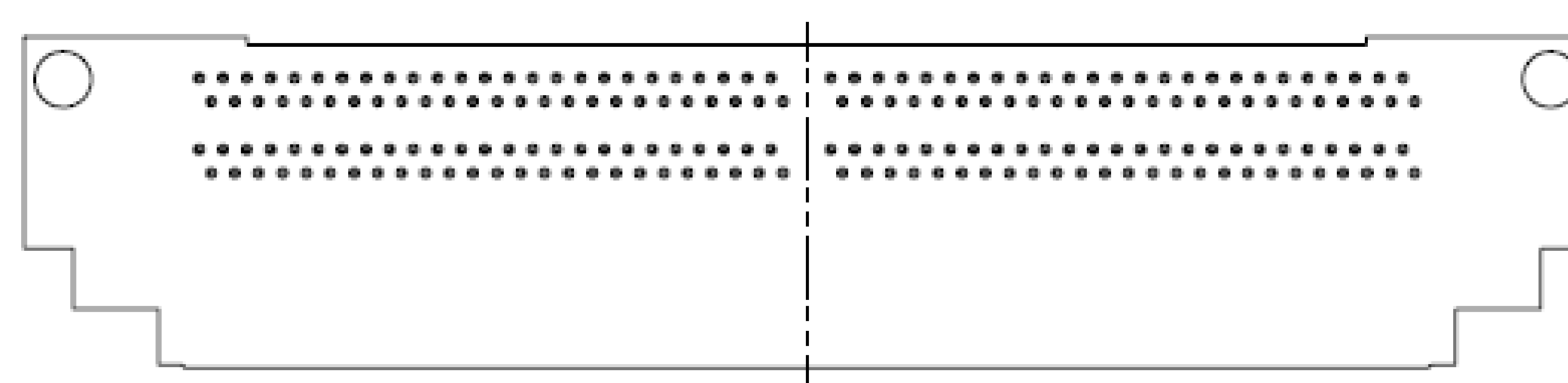
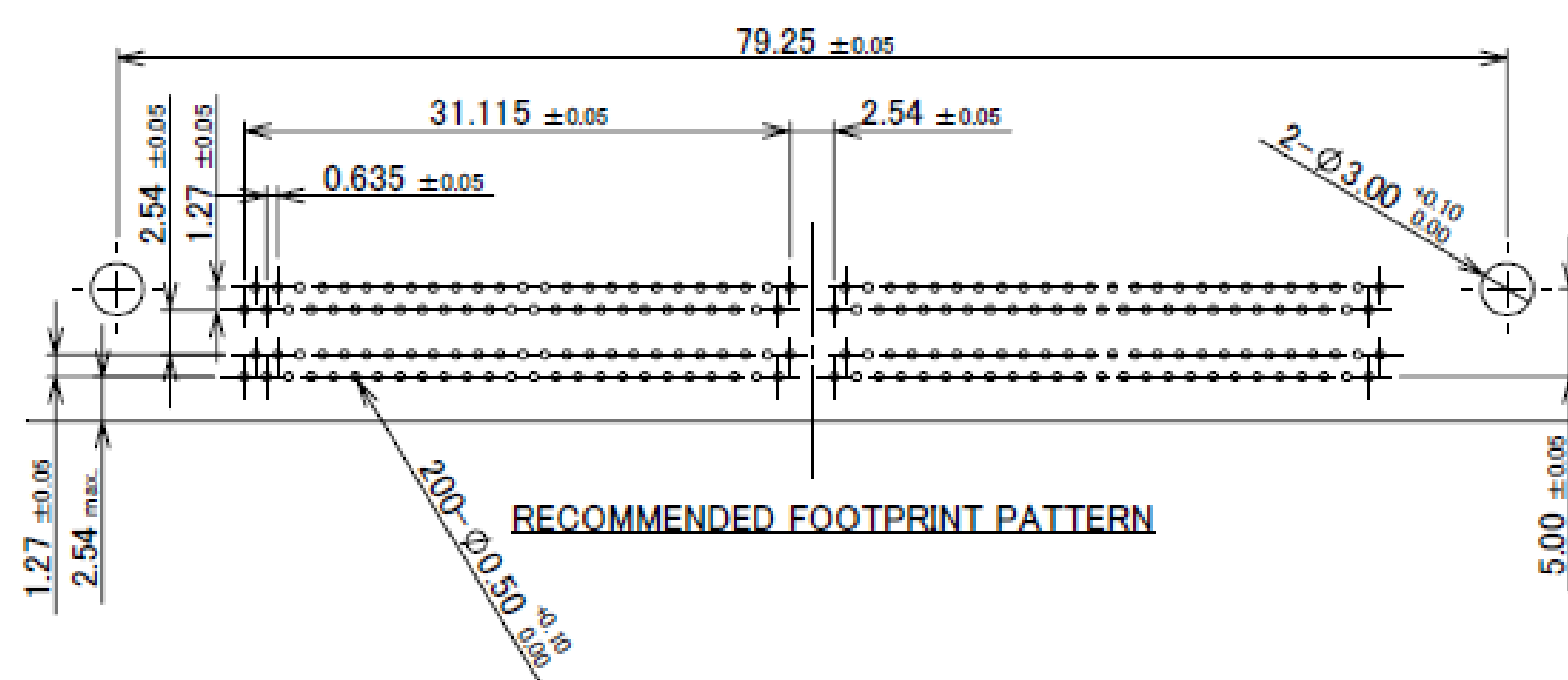
3	CONTACT	COPPER ALLOY	CONTACT AREA : Au FLASH SOLDER AREA : Au FLASH
2	INSULATOR	HEAT RESISTING PLASTICS	BLACK, UL94V-0
1	SHELL	Zn ALLOY	-
NO.	DISCRPTION	MATERIAL	FINISH . REMARKS

NOTES

NOTES

1. CONNECTOR TO BE MATED: 30007-200T-03*

Rev.6



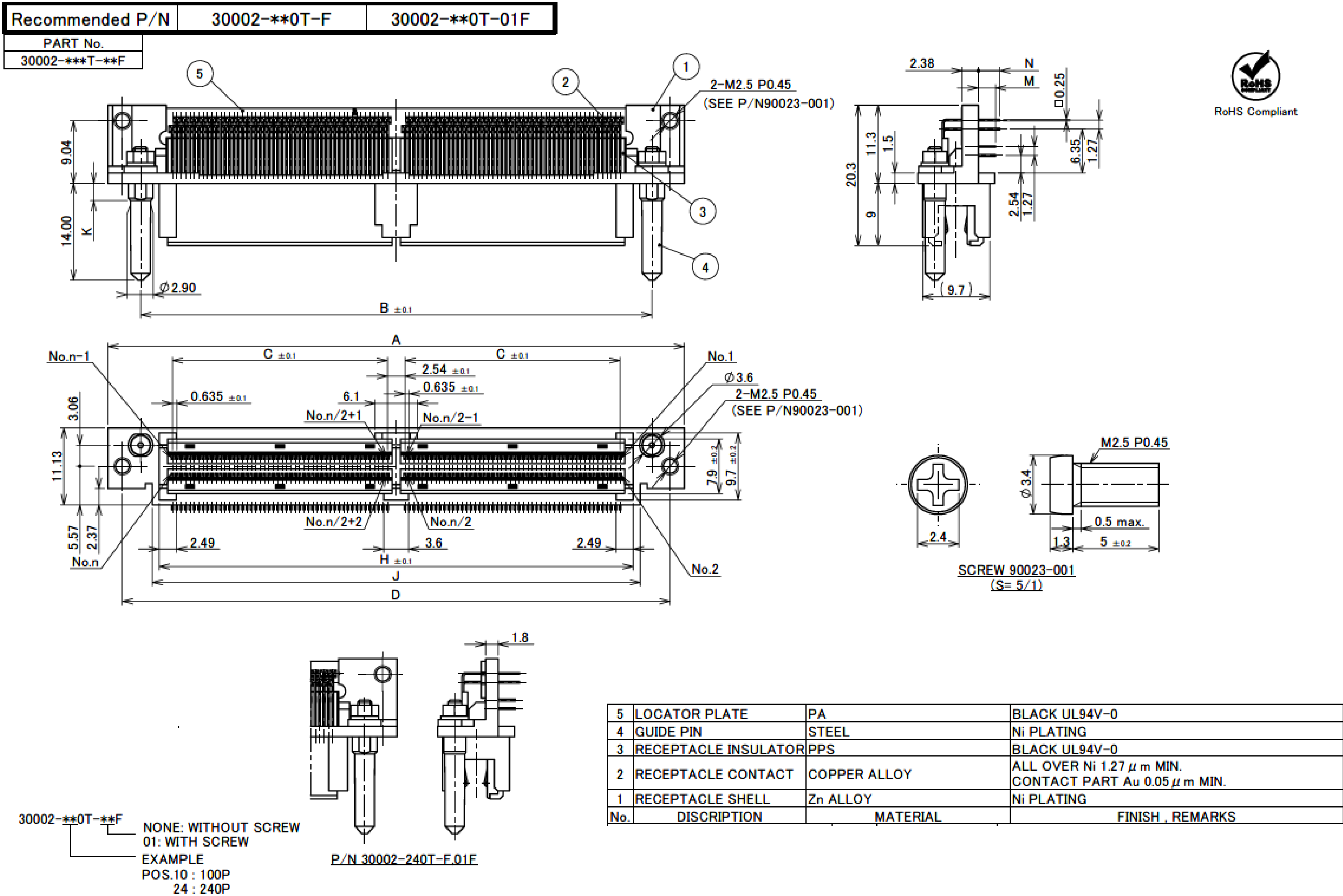
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN

Plug Assembly

ITEMS	SPECIFICATION
RATING VOLTAGE	250V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	208~358K(-65℃~+85℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : ≦25mohm MAX.
INSULATION RESISTANCE	INITIAL : 10,000Mohm MIN. / AFTER TEST : 1,000Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC500V 1min
DURABILITY	5,000 CYCLES
MATING FORCE (INITIAL)	0.9N/pos. MAX.
UNMATING FORCE (AFTER TEST)	0.059N/pos. MIN.
COPLANARITY	-
PRODUCT SPECIFICATION	PRS-1011
TEST REPORT	TR-9020
PACKING STANDARD	300-251
INSTRUCTION MANUAL	-
APPEARANCE CRITERIA No.	QLS-A***

Rev.6

Receptacle Assembly

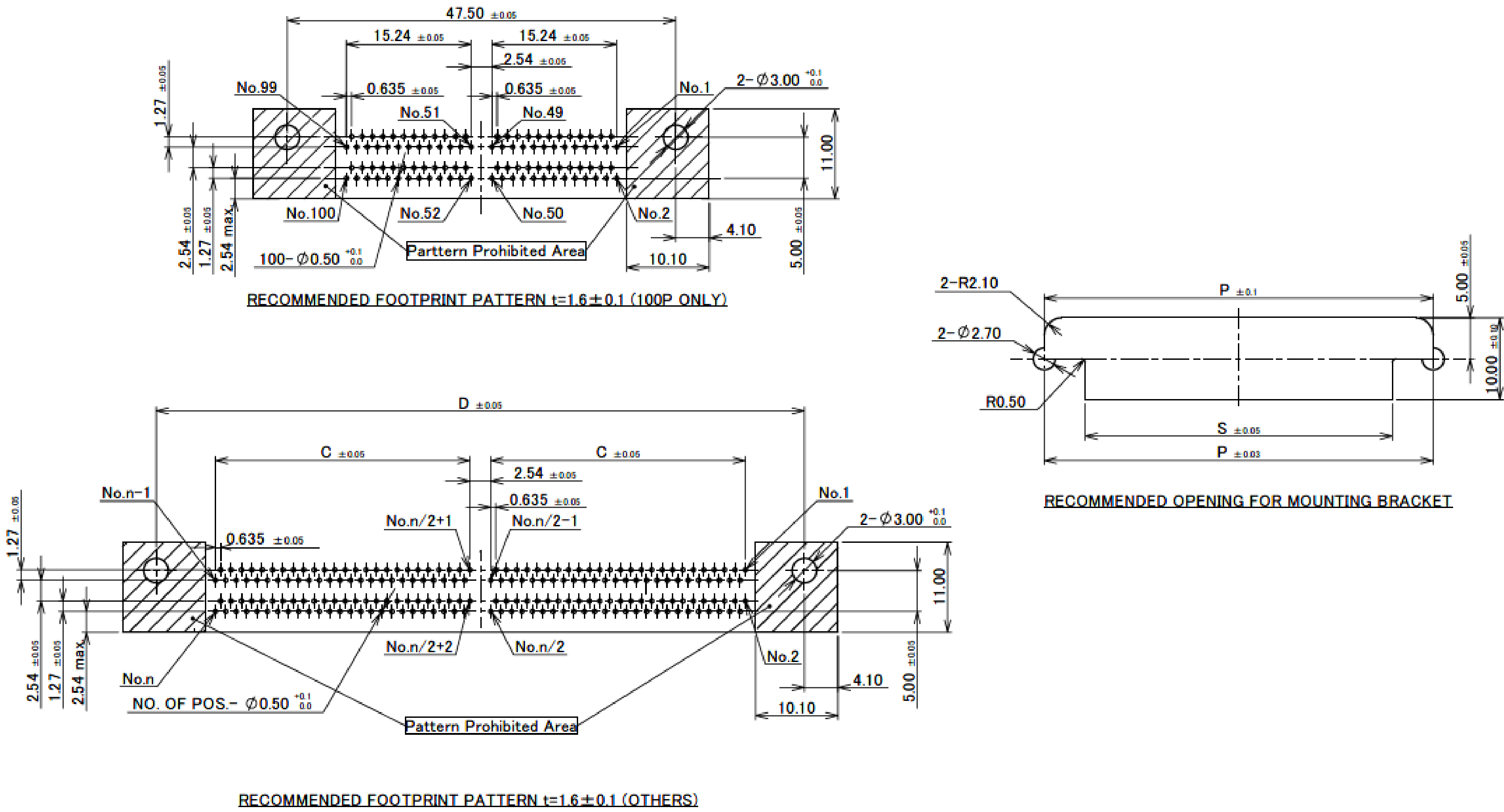


NOTE
1. CONNECTOR TO BE MATED: 30001, 30005

Rev.31

Receptacle Assembly

	POS.	A	B	C	D	H	J	K	M	N	P	S	NOTE
30002-100T-F	100P	51.65	42.25	15.24	47.50	37.35	38.85		2.8	2.8	47.52	37.55	WITHOUT SCREW
30002-240T-F	240P	96.10	86.70	37.465	91.95	81.80	83.30	2.50	2.5	3.1	91.95	82.00	
30002-100T-01F	100P	51.65	42.25	15.24	47.50	37.35	38.85		2.8	2.8	47.52	37.55	WITH SCREW
30002-240T-01F	240P	96.10	86.70	37.465	91.95	81.80	83.30	5.30	2.5	3.1	91.95	82.00	



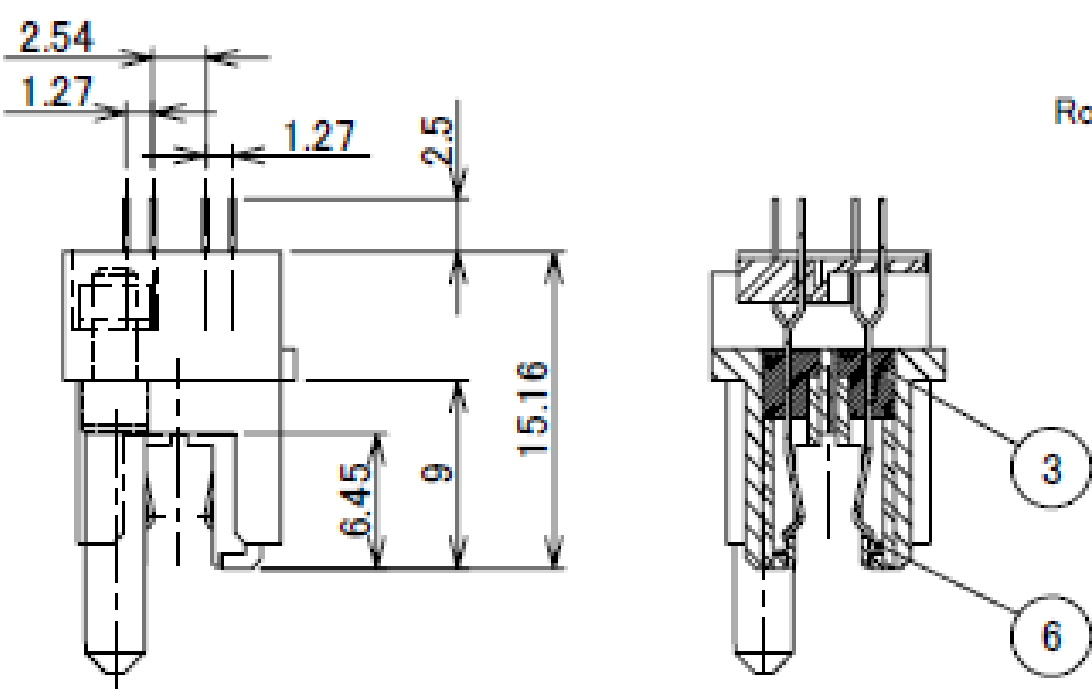
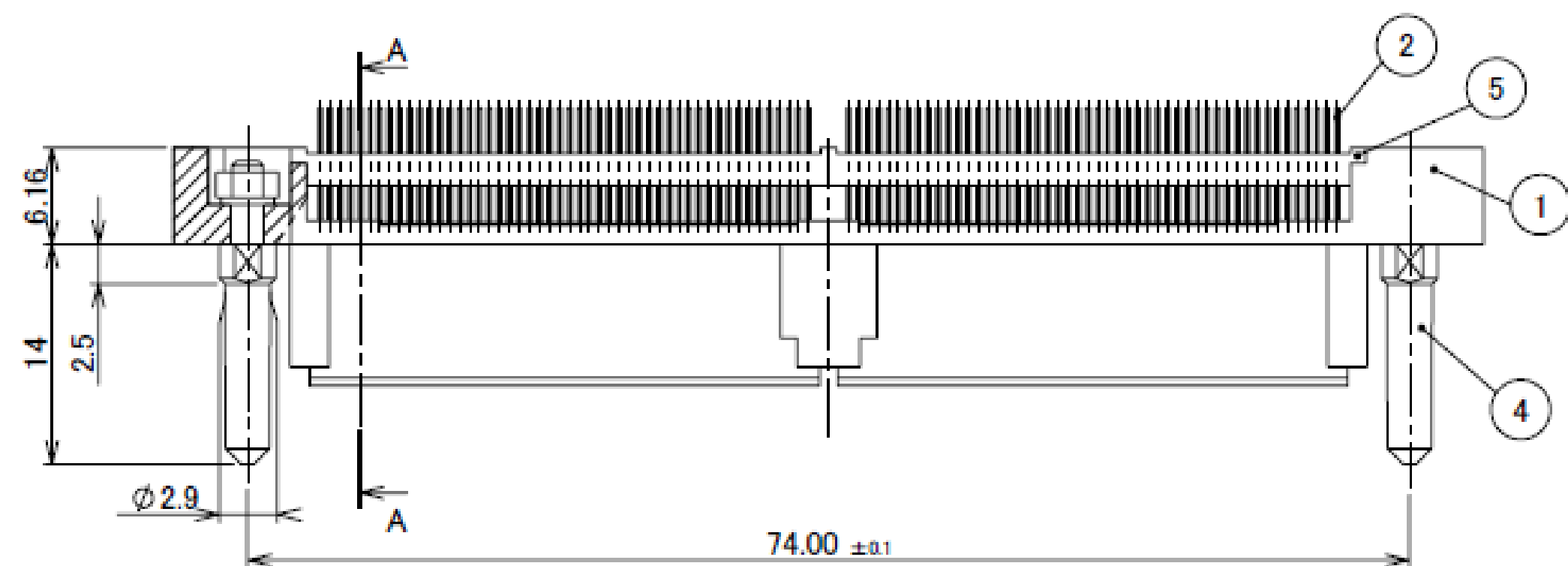
Rev.31

ITEMS	SPECIFICATION
RATING VOLTAGE	250V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	208~358K(-65℃~+85℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : \angle 25mohm MAX.
INSULATION RESISTANCE	INITIAL : 10,000Mohm MIN. / AFTER TEST : 1,000Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC500V 1min
DURABILITY	5,000 CYCLES
MATING FORCE (INITIAL)	0.9N/pos. MAX.
UNMATING FORCE (AFTER TEST)	0.059N/pos. MIN.
COPLANARITY	-
PRODUCT SPECIFICATION	PRS-1011
TEST REPORT	TR-9020
PACKING STANDARD	300-015
INSTRUCTION MANUAL	-
APPEARANCE CRITERIA No.	QLS-A***

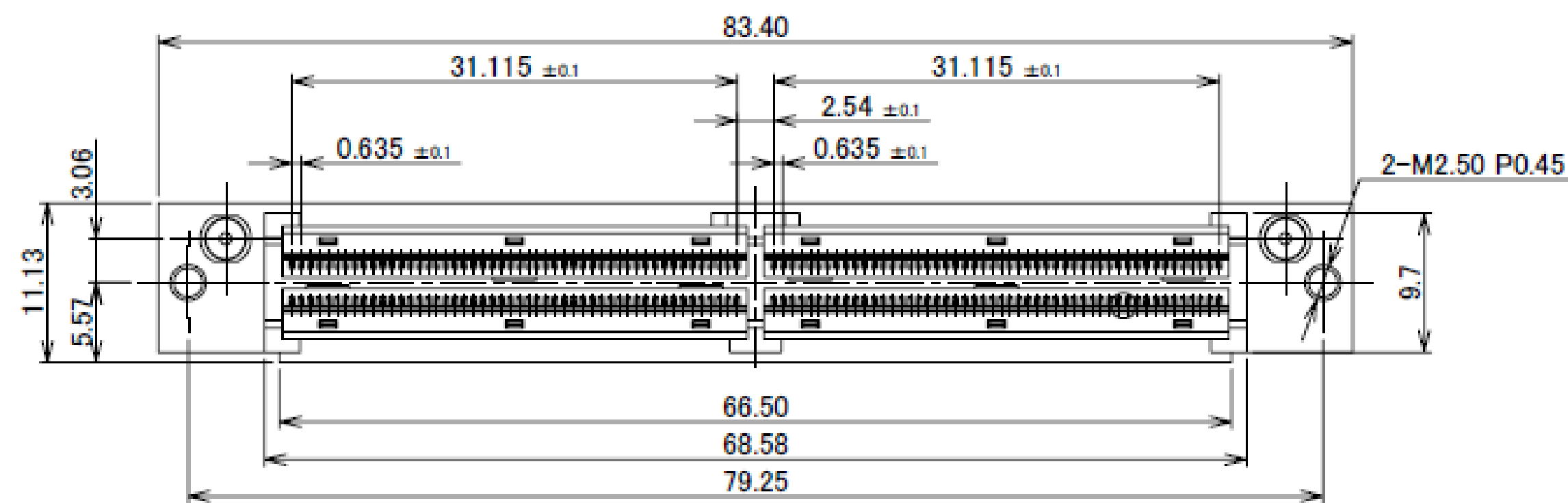
Rev.31

Receptacle Assembly

Recommended P/N	30007-200T-03F
PART NO.	
30007-200T-03F	

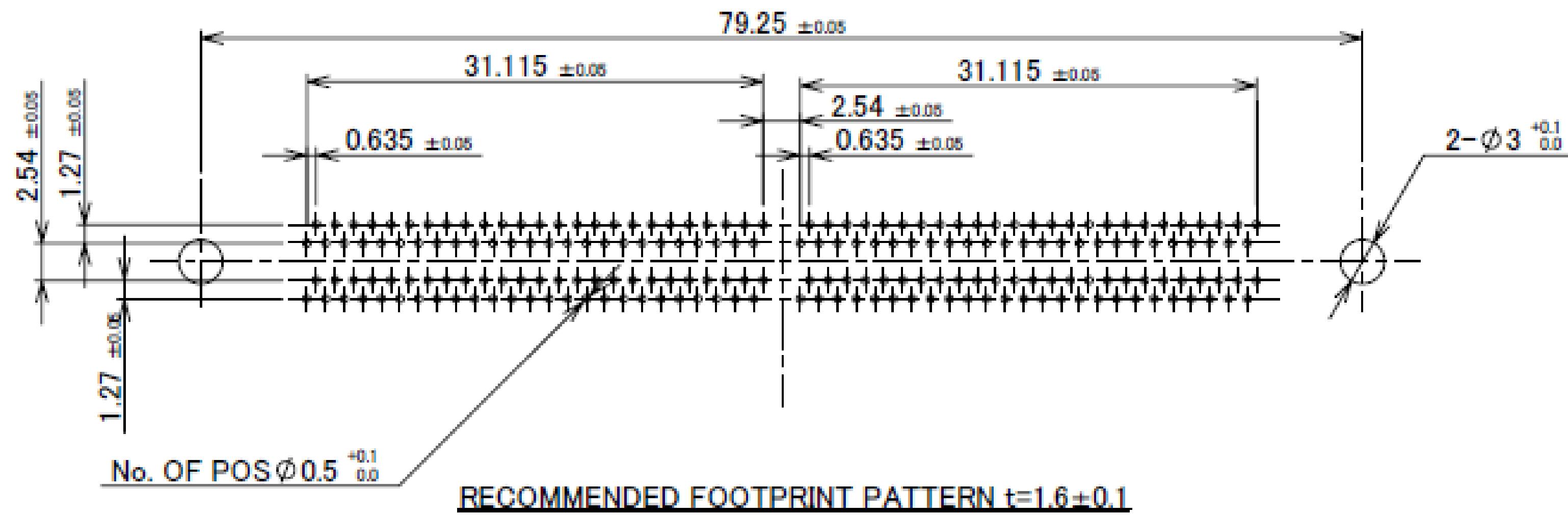


SECT. A-A



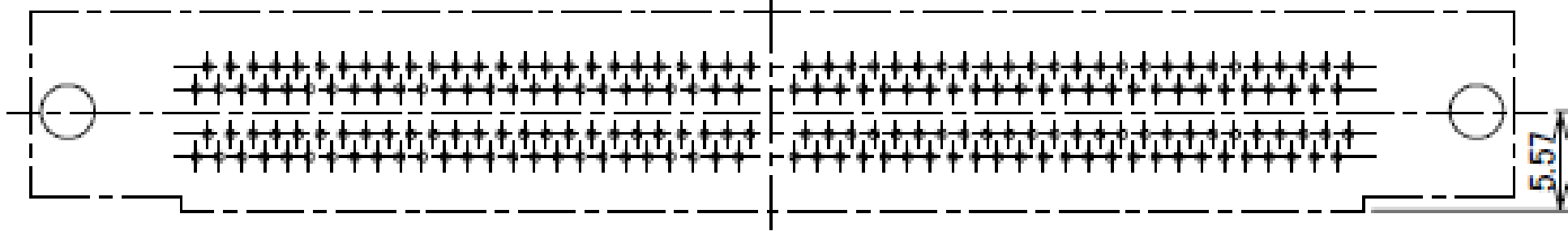
6	CONTACT GUIDE	PPS	BLACK UL94V-0
5	LOCATOR PLATE	PA	BLACK UL94V-0
4	GUIDE PIN	STEEL	Ni PLATING
3	RECE INSULATOR	PPS	BLACK UL94V-0
2	RECE CONTACT	COPPER ALLOY	CONTACT PART Au FLASH OVER Pd-Ni SOLDER TAIL Au FLASH
1	RECE SHELL	Zn ALLOY	Ni OVER Cu PLATING
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

Rev.15

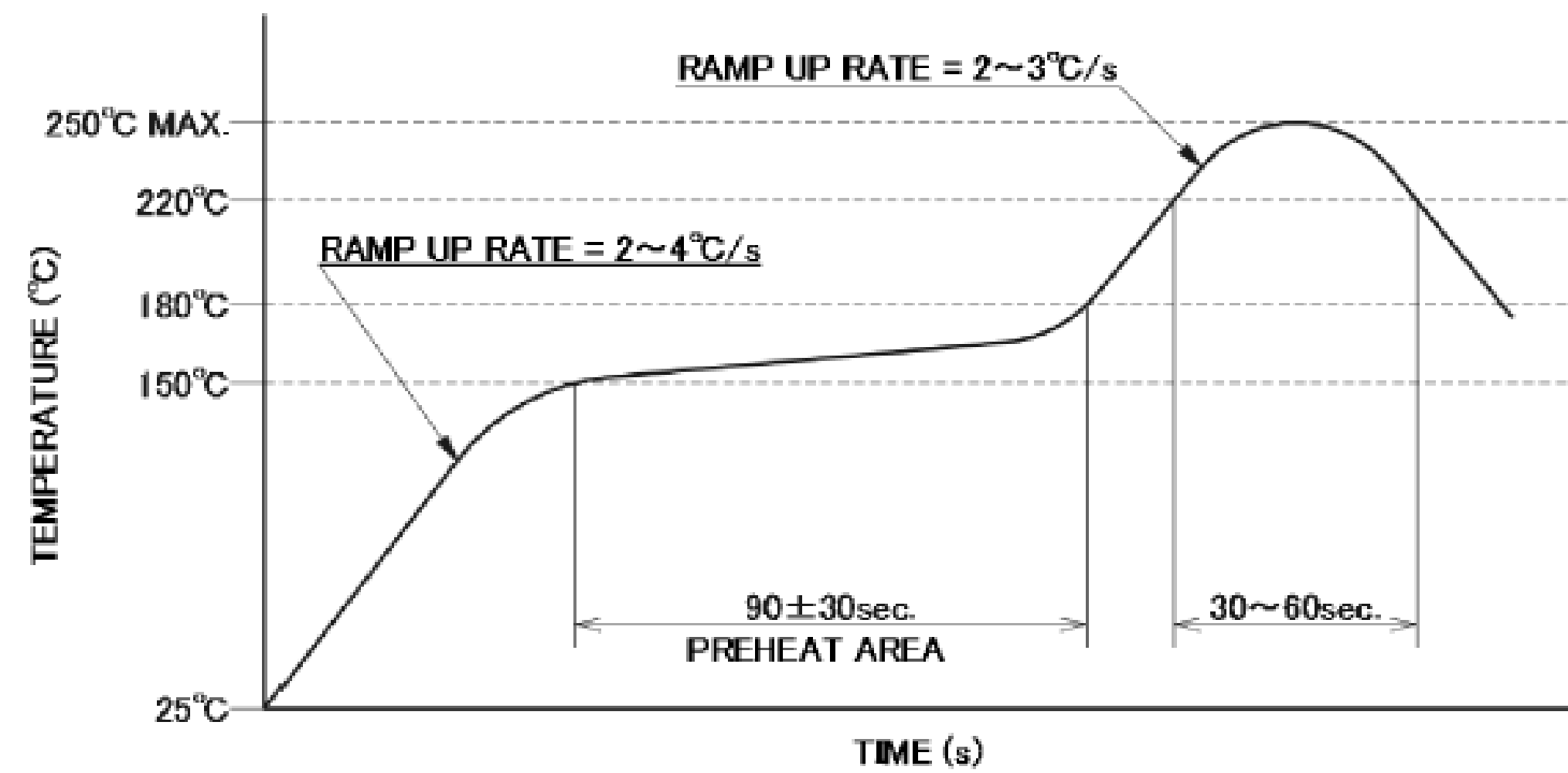


Rev.15

Receptacle Assembly



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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

Rev.15

ITEMS	SPECIFICATION
RATING VOLTAGE	250V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	208~358K(−65°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : ≦125mohm MAX.
INSULATION RESISTANCE	INITIAL : 10,000Mohm MIN. / AFTER TEST : 1,000Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC500V 1min
DURABILITY	5,000 CYCLES
MATING FORCE (INITIAL)	0.9N/pos. MAX.
UNMATING FORCE (AFTER TEST)	0.059N/pos. MIN.
COPLANARITY	-
PRODUCT SPECIFICATION	PRS-1011
TEST REPORT	TR-9020
PACKING STANDARD	300-030
INSTRUCTION MANUAL	-
APPEARANCE CRITERIA No.	QLS-A***

Rev.15

Board to
Board



High-Density



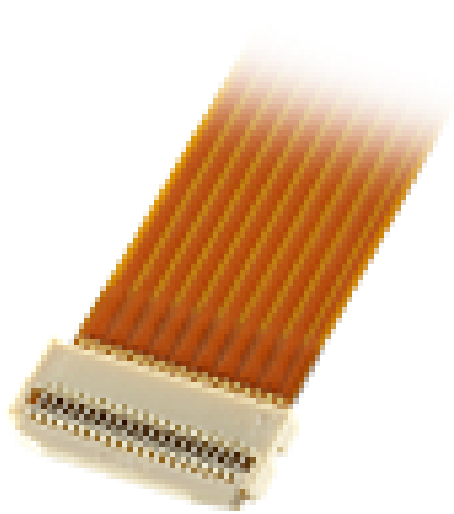
Autolocking
FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial
/ Discrete Cable



High-Speed



RF



High-Frequency



Optical
Module



High-Speed



Power



High-Power



I/O
(Input/Output)



Quick charge



Effector



Custom
Connectors
Available

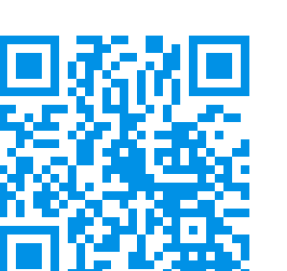
Inquiry



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