

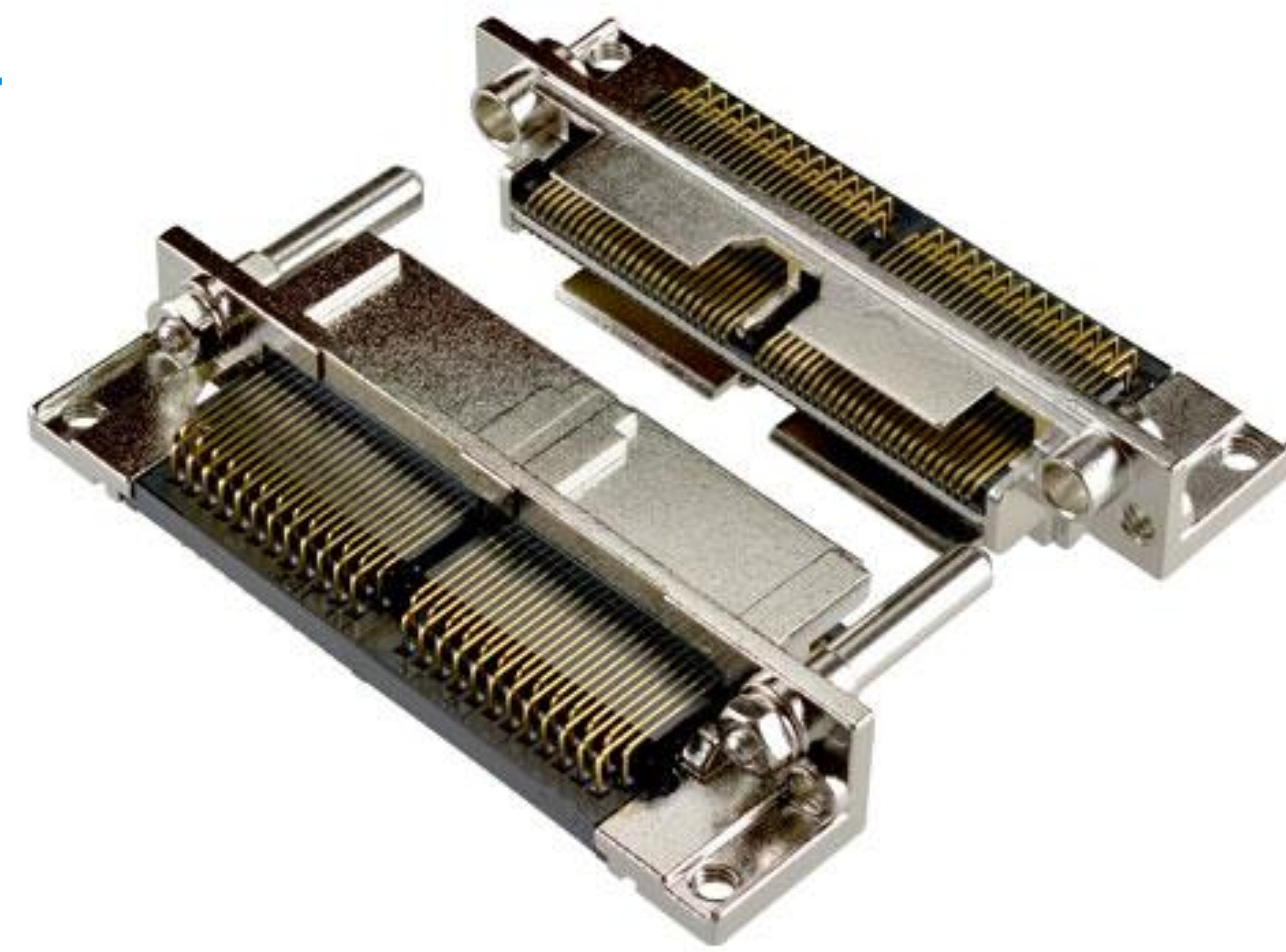
MINIDOCK™ STANDARD

견고한 다핀수의 도킹식 I/O 커넥터

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)

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



▶ 다양한 어플리케이션에 대응하는 견고한 커넥터(휴대용 기기나 의료 기기 등)

Standard Type Plug :

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

Standard Type Receptacle :

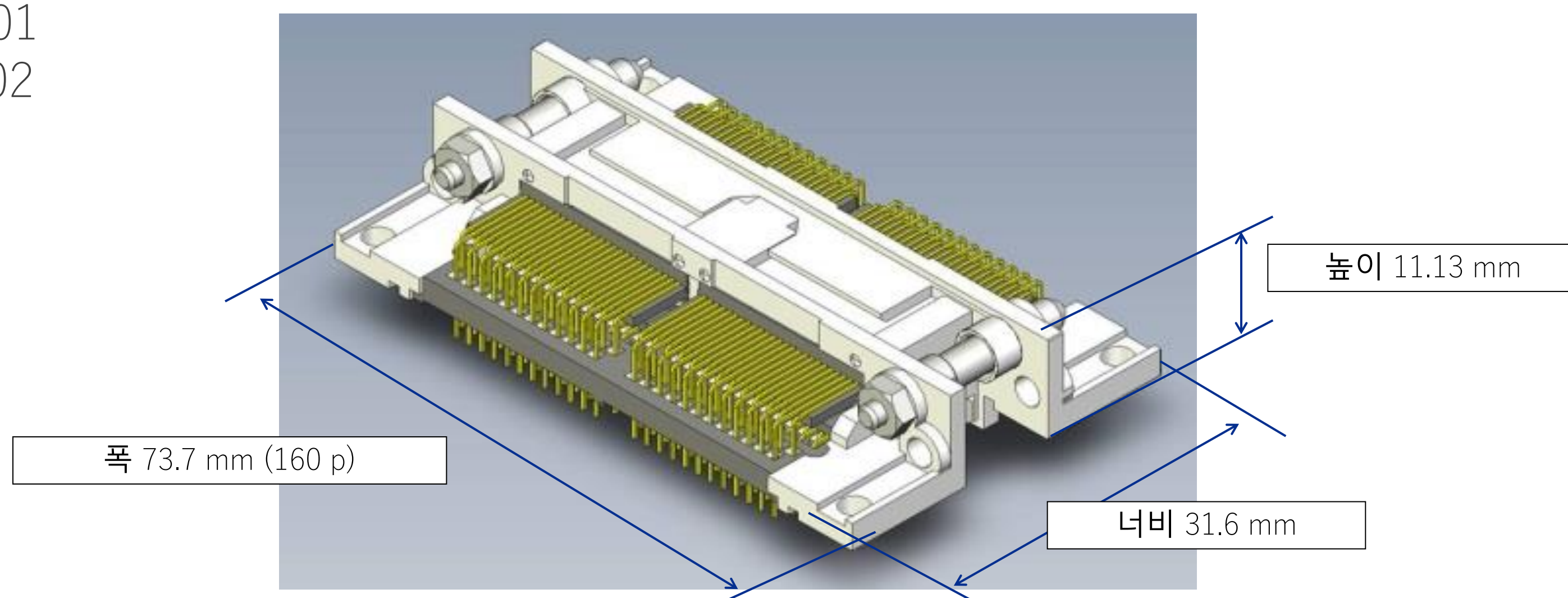
Part Number	Pin Count	Mating Type	Appearance
30002	100, 240	수평	
30007	200	수직	

▶ 삽발보증회수 : 5000 사이클

수평타입PLUG – 수평타입RECEPTACLE 결합

형번

- Plug 30001
- Receptacle 30002

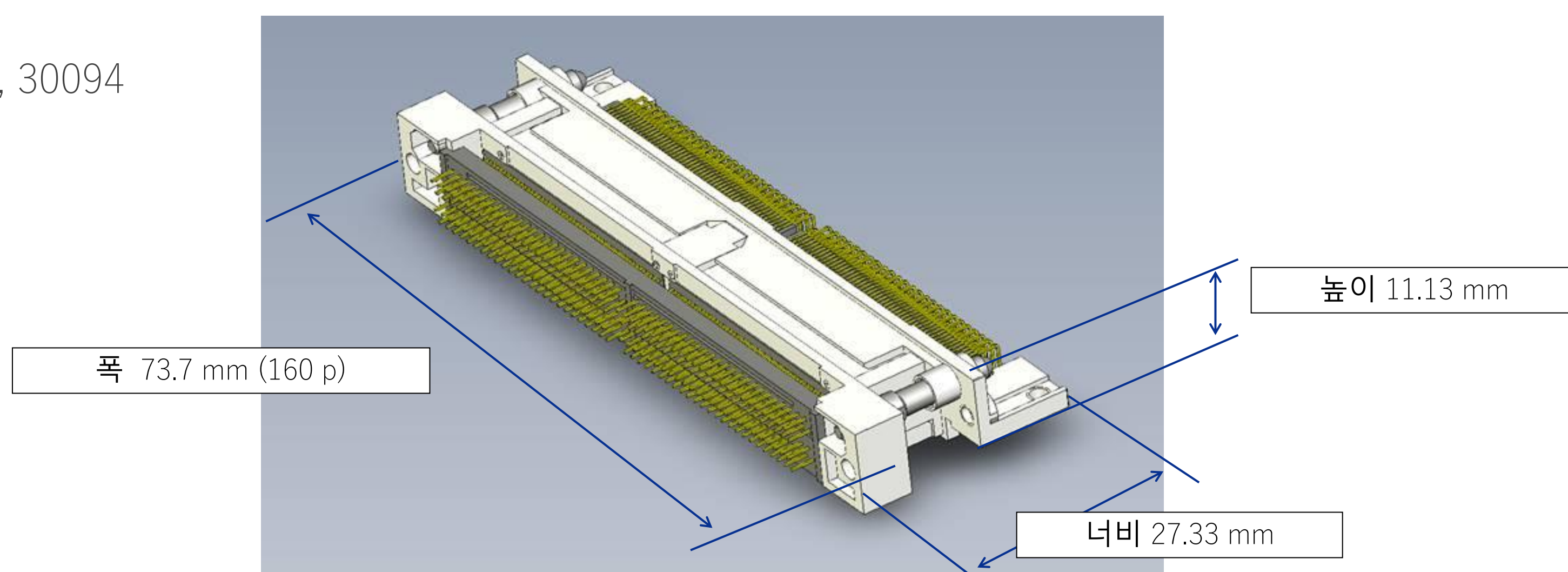


▶ 풍부한 결합 옵션과 보유 핀수

수평타입PLUG – 수직 RECEPTACLE 결합

형번

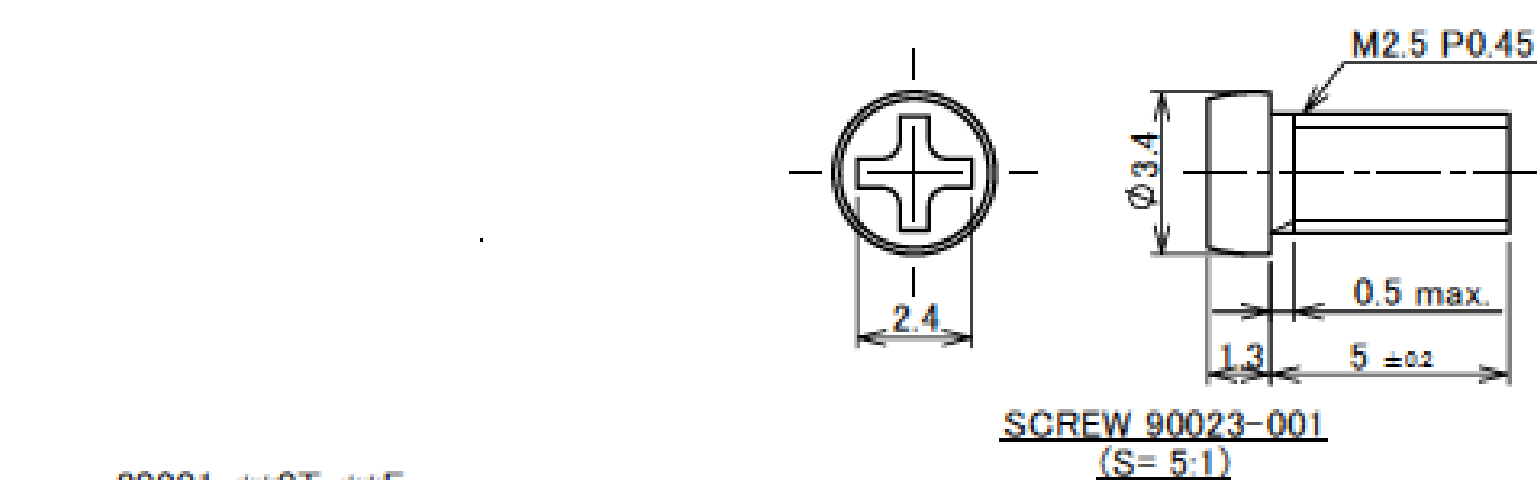
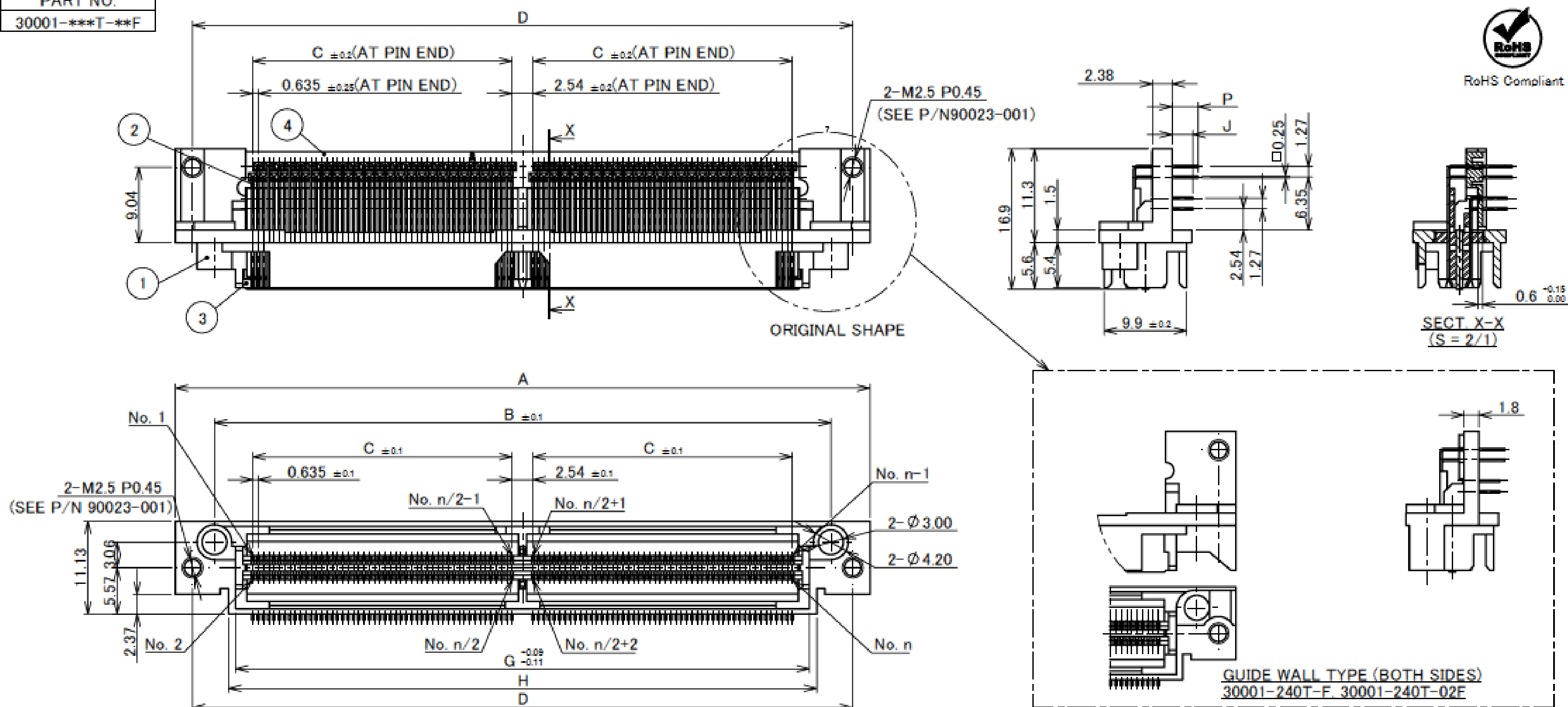
- Plug 30001, 30094
- Receptacle 30007



Component Parts Details

Plug Assembly

Recommended P/N	30001-**-0T-F	30001-**-0T-01F
PART NO.		
30001-**-0T-**-F		

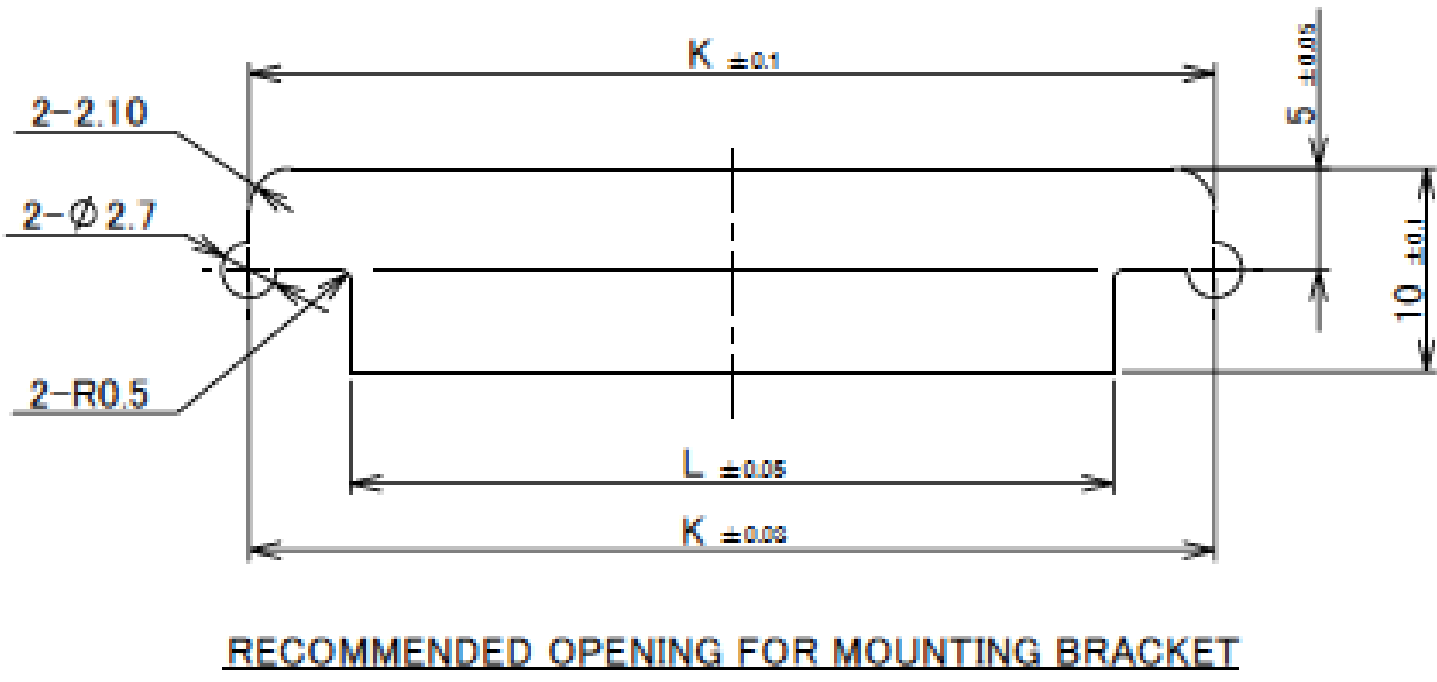
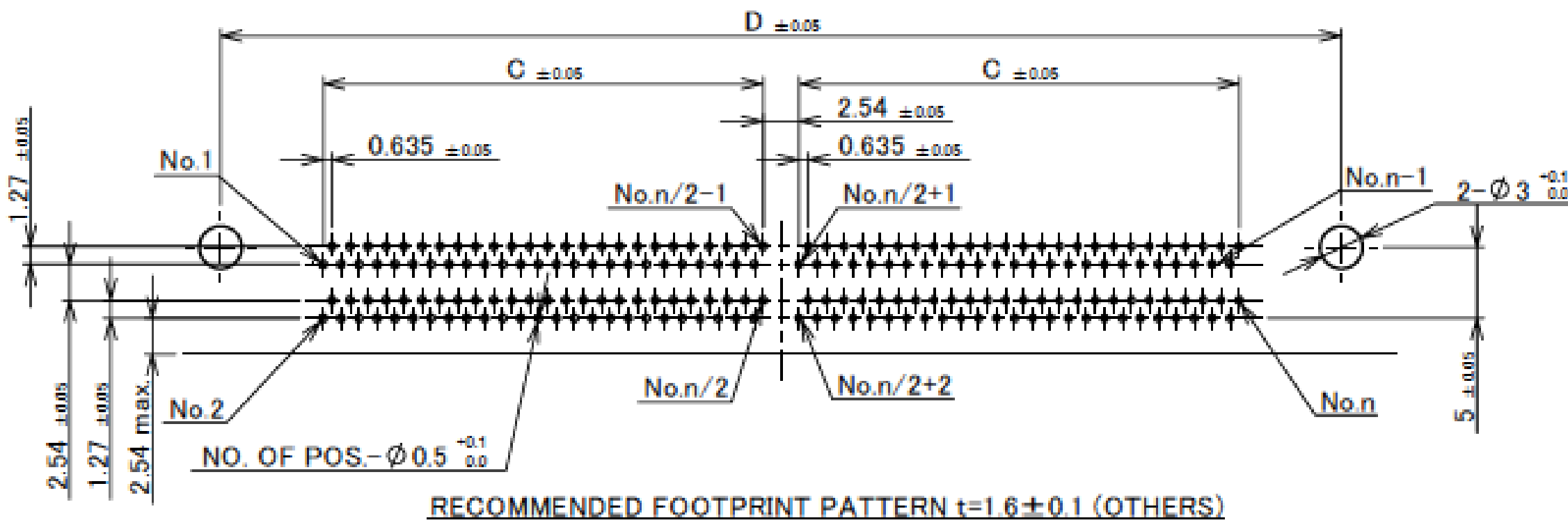
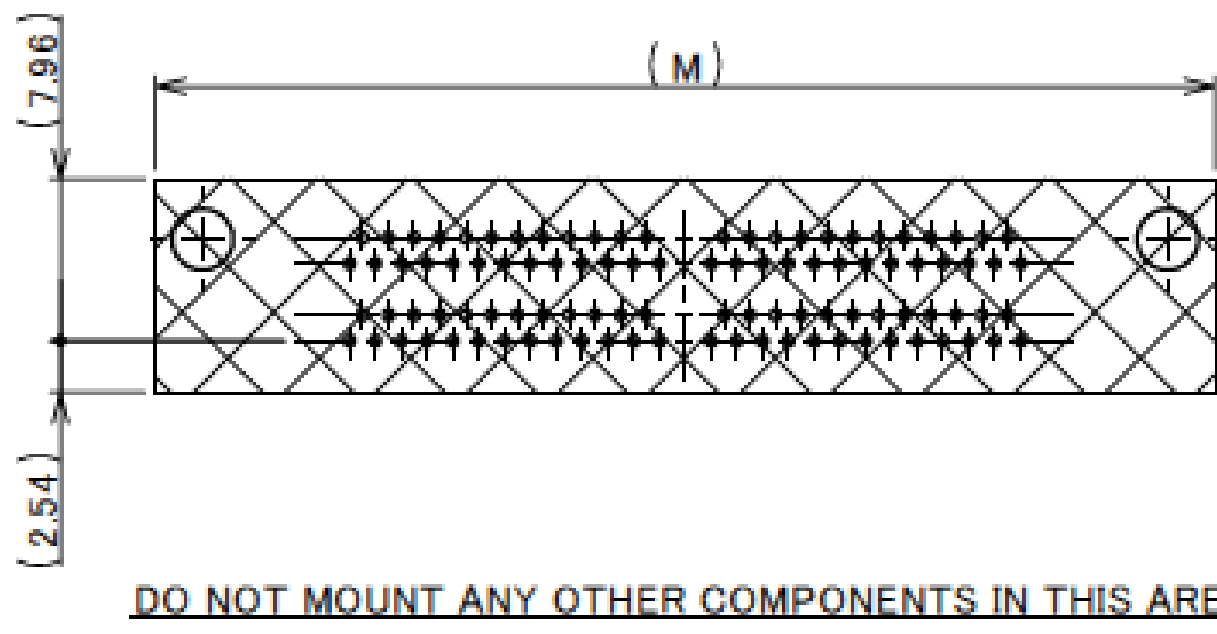
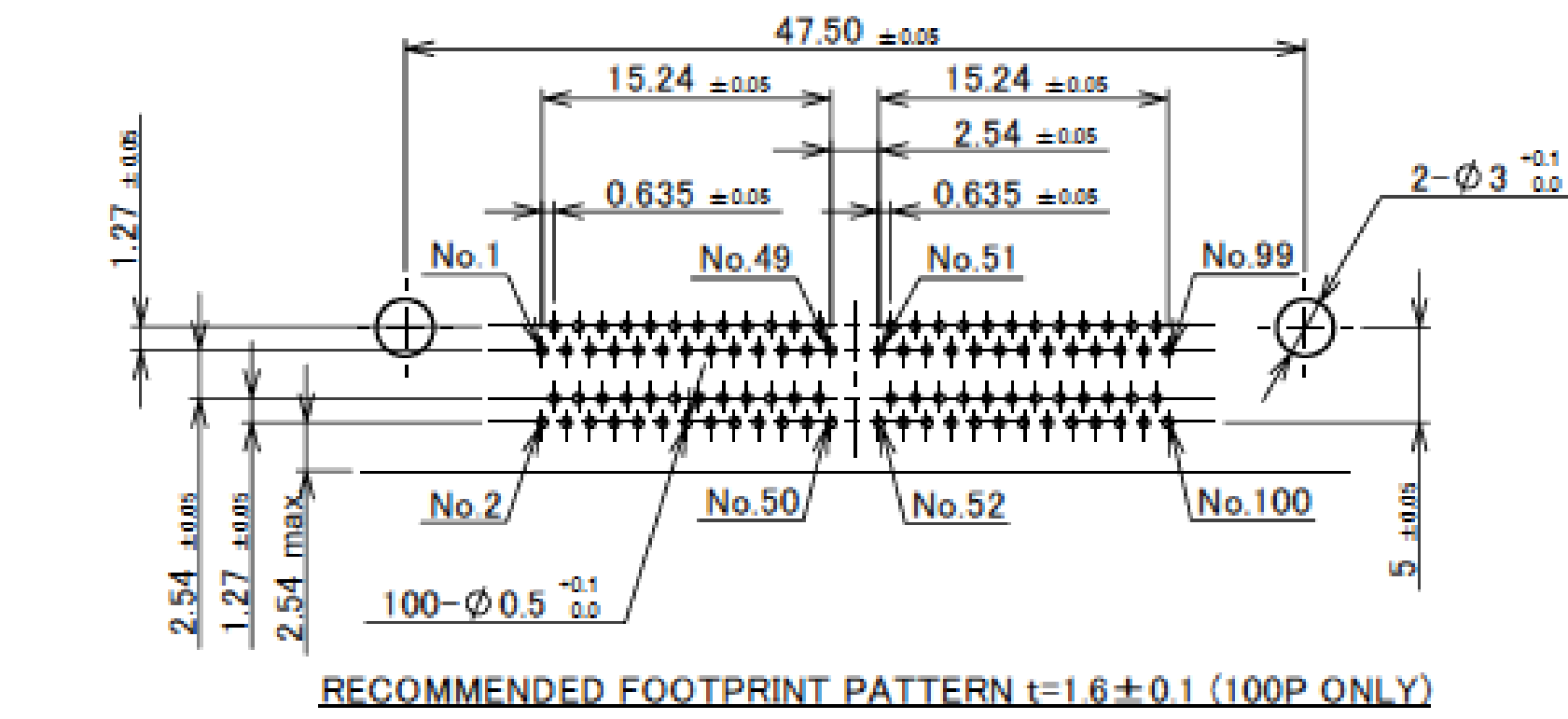


4	LOCATOR PLATE	PA	BLACK UL94V-0
3	PLUG INSULATOR	PPS	BLACK UL94V-0
2	PLUG CONTACT	COPPER ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.05 μ m MIN.
1	PLUG SHELL	Zn ALLOY	Ni PLATING
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

30001-**-0T-**-F
NONE: WITHOUT SCREW
01, 02: WITH SCREW
EXAMPLE
POS.10 : 100P
24 : 240P
NOTES
1. CONNECTOR TO BE MATED: 30002, 30007

Plug Assembly

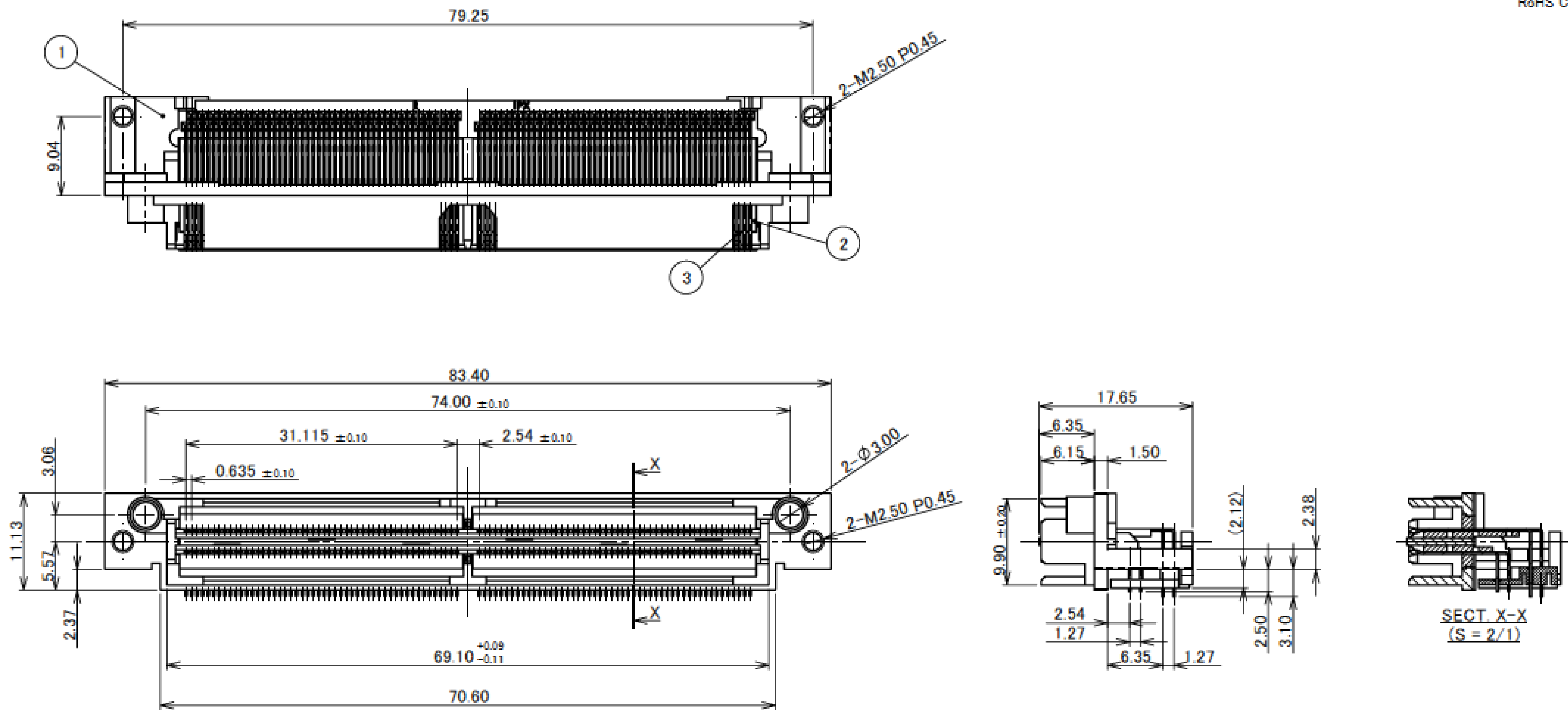
PART No.	POS.	A	B	C	D	G	H	P	J	K	L	M	SCREW	NOTE
30001-100T-F	100P	51.65	42.25	15.24	47.50	37.35	38.85	2.5	2.1	47.52	37.55	52.15	WITHOUT SCREW	-
30001-240T-F	240P	96.10	86.70	37.465	91.95	81.80	83.30	3.1	2.5	91.95	82.00	96.60		GUIDE WALL TYPE
30001-100T-01F	100P	51.65	42.25	15.24	47.50	37.35	38.85	2.5	2.1	47.52	37.55	52.15	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	96.60		GUIDE WALL TYPE



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.
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : $\leq$ 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***

Plug Assembly

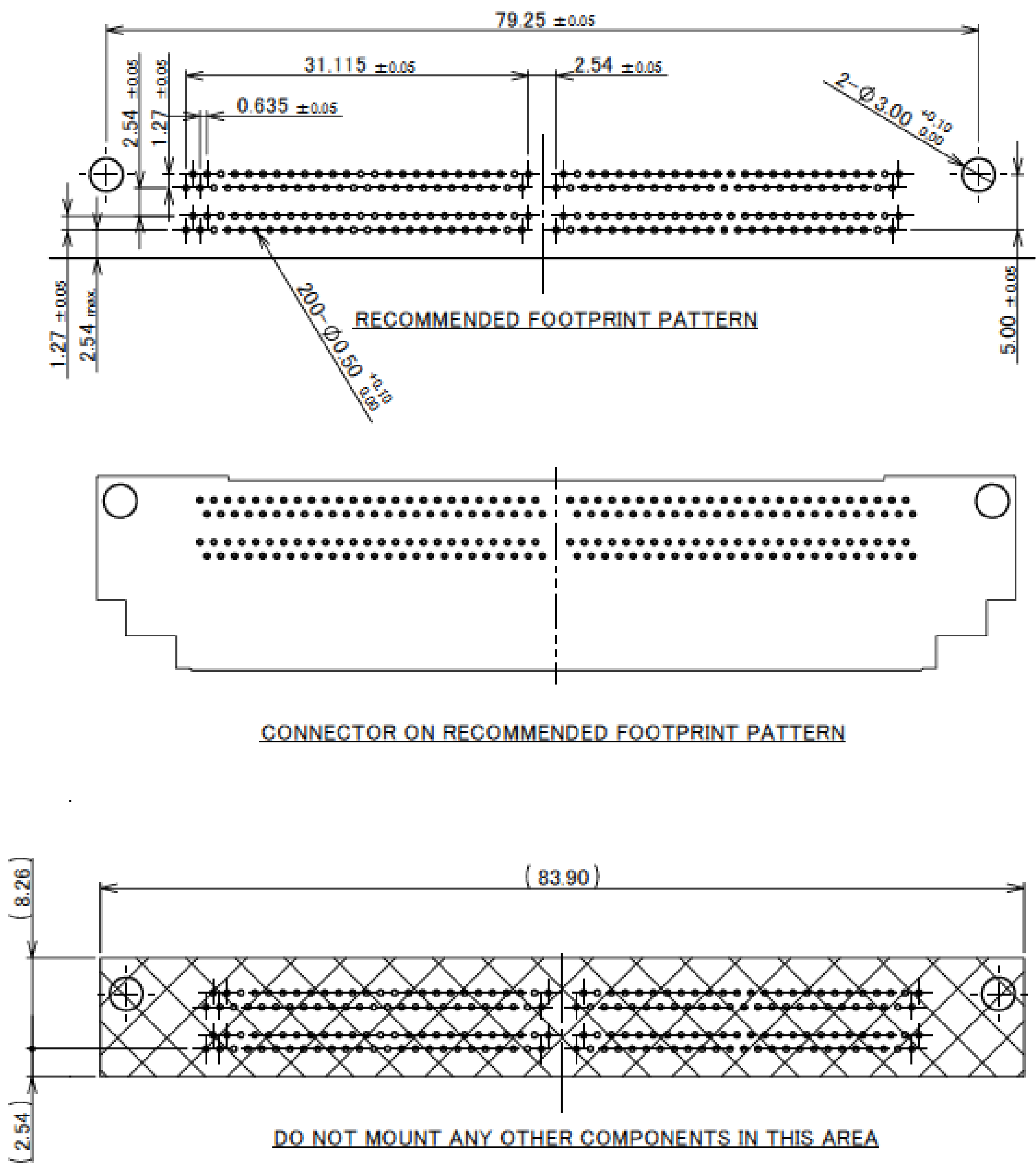
Recommended P/N		30094-200T-01F
PART No.	SCREW	
30094-200T-F	WITH SCREW	
30094-200T-01F	WITHOUT SCREW	



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.	DISCRIPTION	MATERIAL	FINISH , REMARKS

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

Rev.8



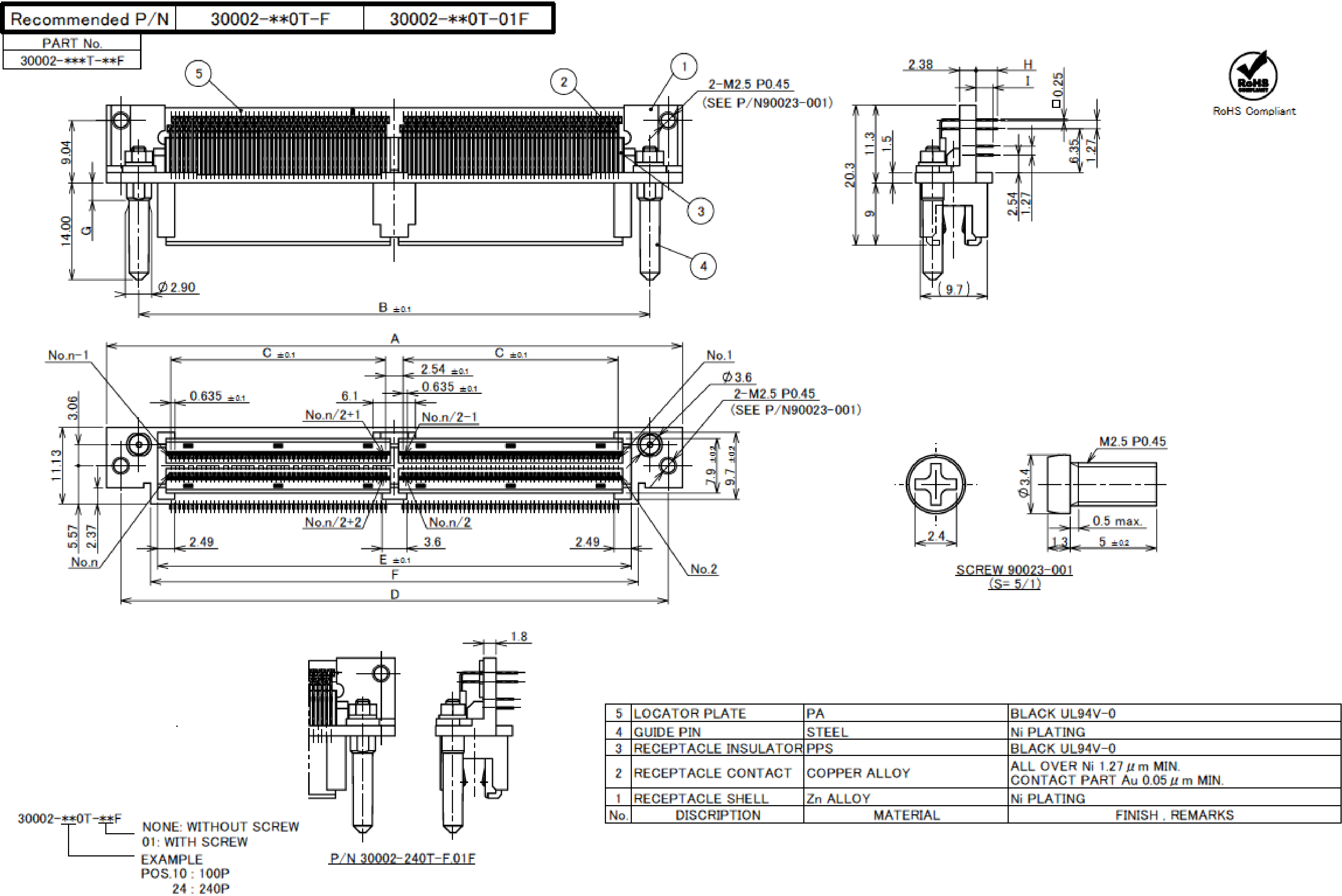
Rev.8

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°C~+85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : Δ 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.8

Receptacle Assembly

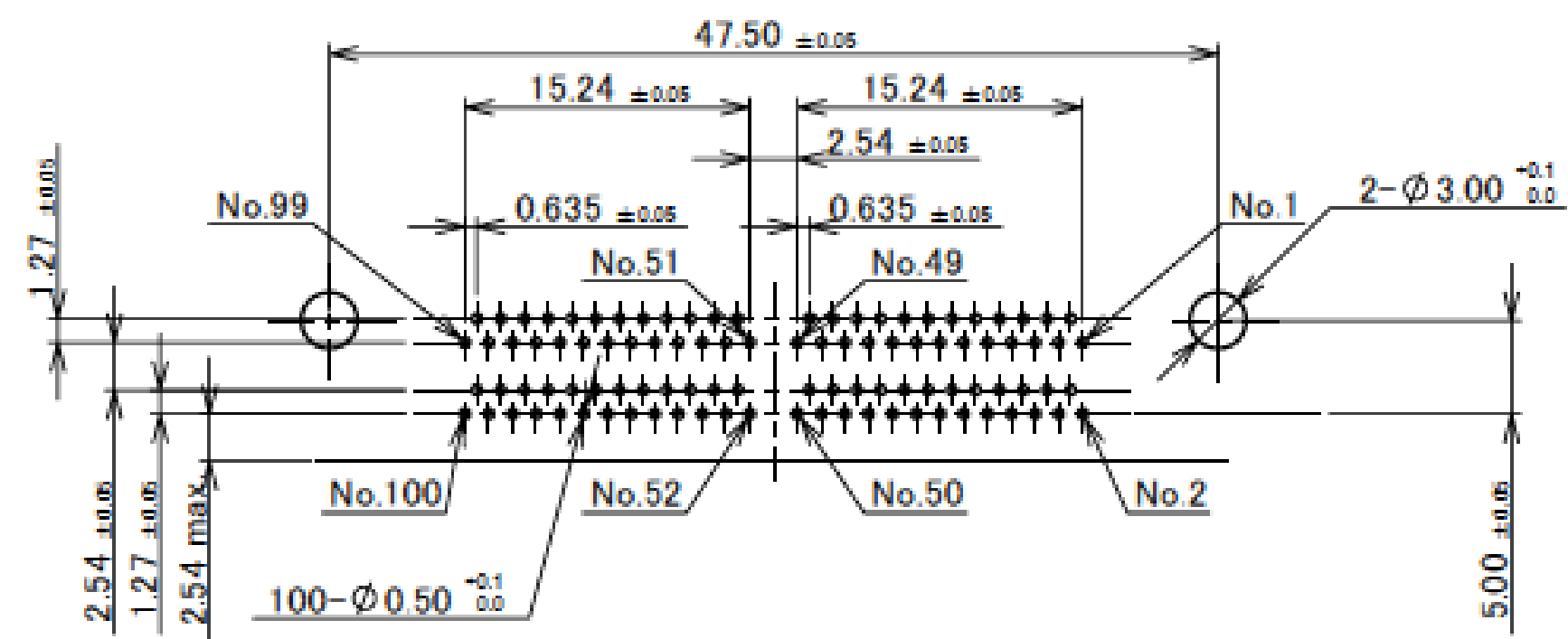


NOTE
1. CONNECTOR TO BE MATED: 30001, 30005

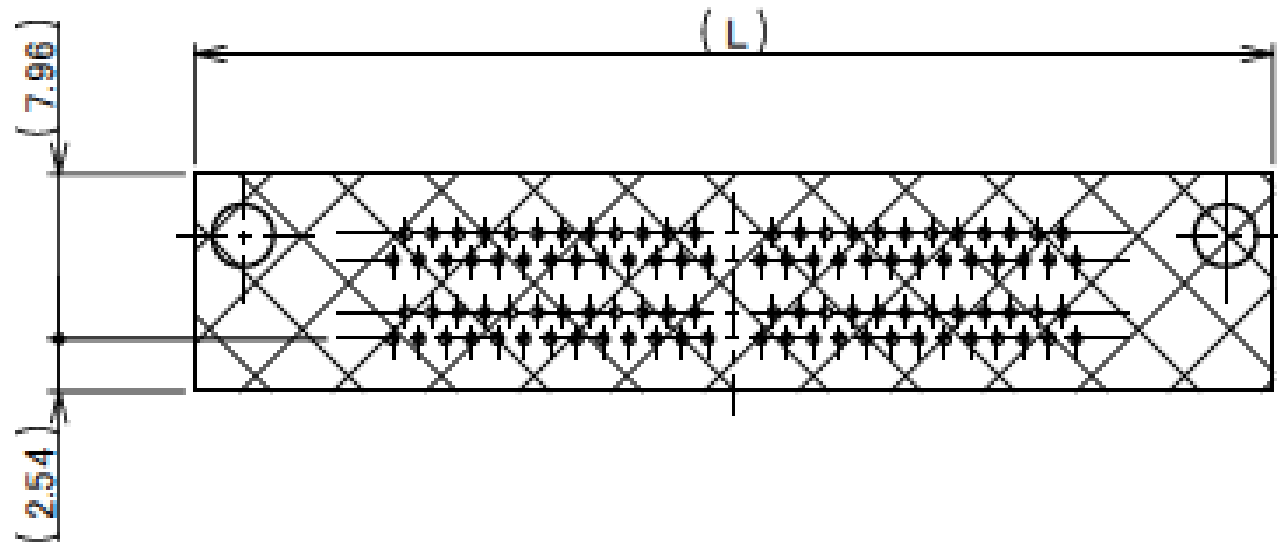
Rev.33

Receptacle Assembly

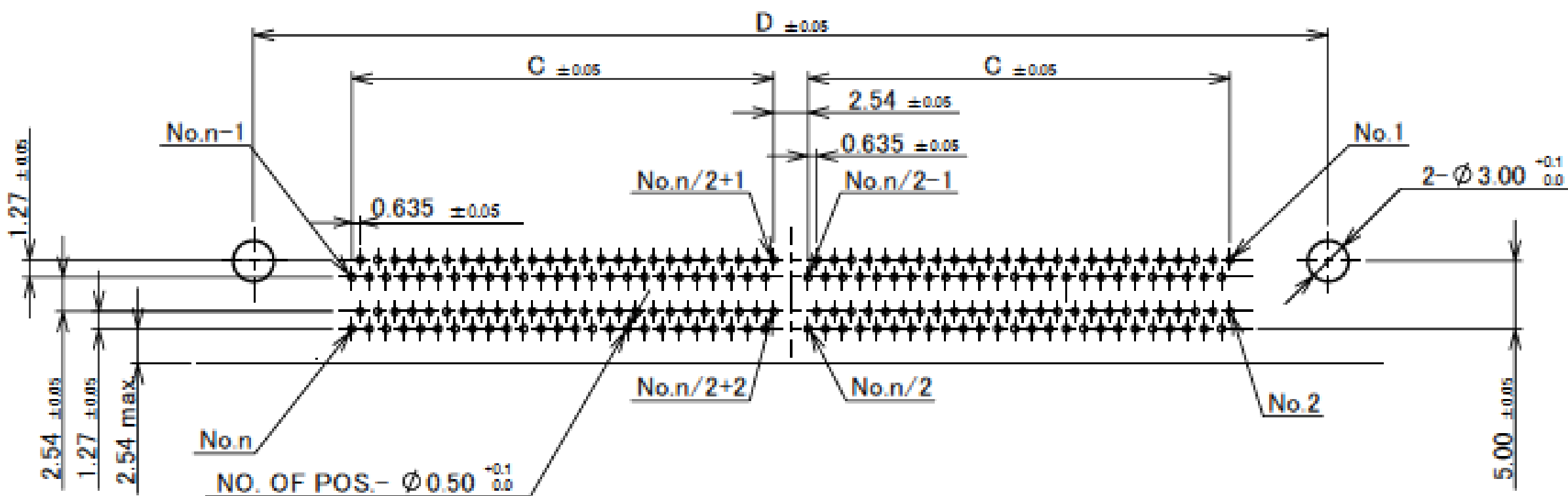
	POS	A	B	C	D	E	F	G	H	I	J	K	L	NOTE
30002-100T-F	100P	51.65	42.25	15.24	47.50	37.35	38.85		2.8	2.8	47.52	37.55	52.15	WITHOUT SCREW
30002-240T-F	240P	96.10	86.70	37.465	91.95	81.80	83.30	2.50	2.5	3.1	91.95	82.00	96.60	
30002-100T-01F	100P	51.65	42.25	15.24	47.50	37.35	38.85		2.8	2.8	47.52	37.55	52.15	WITH 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	96.60	



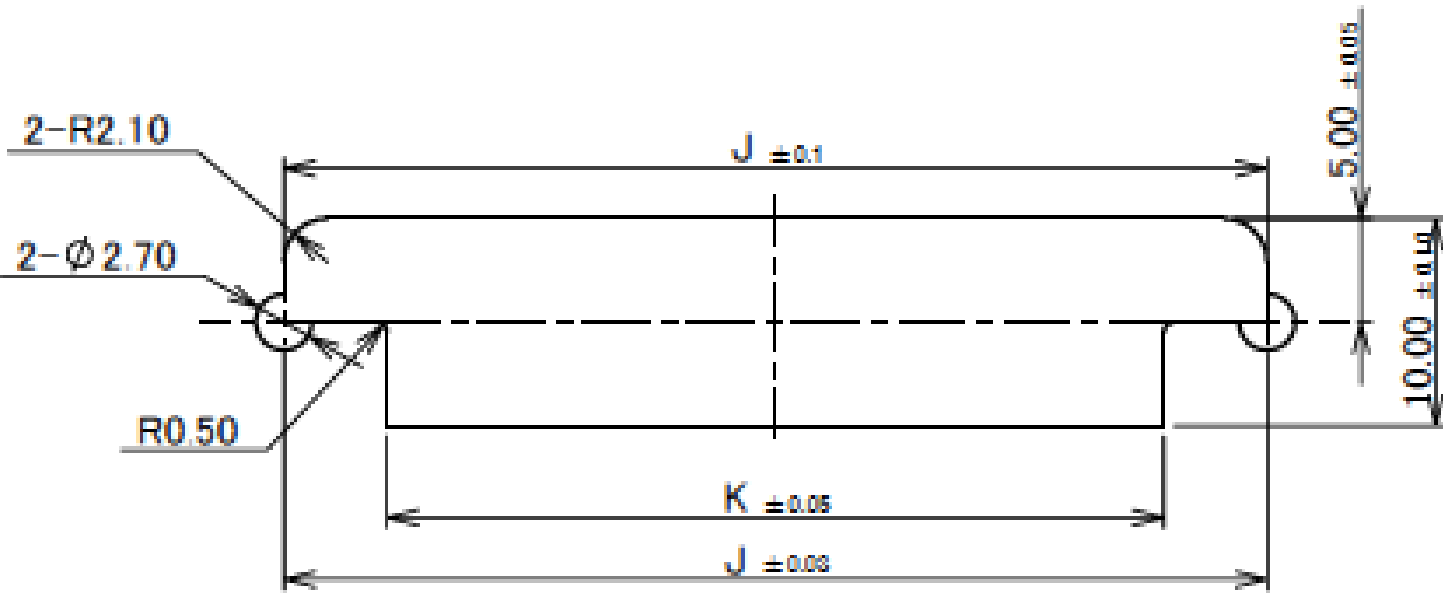
RECOMMENDED FOOTPRINT PATTERN t=1.6±0.1 (100P ONLY)



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA



RECOMMENDED FOOTPRINT PATTERN t=1.6±0.1 (OTHERS)

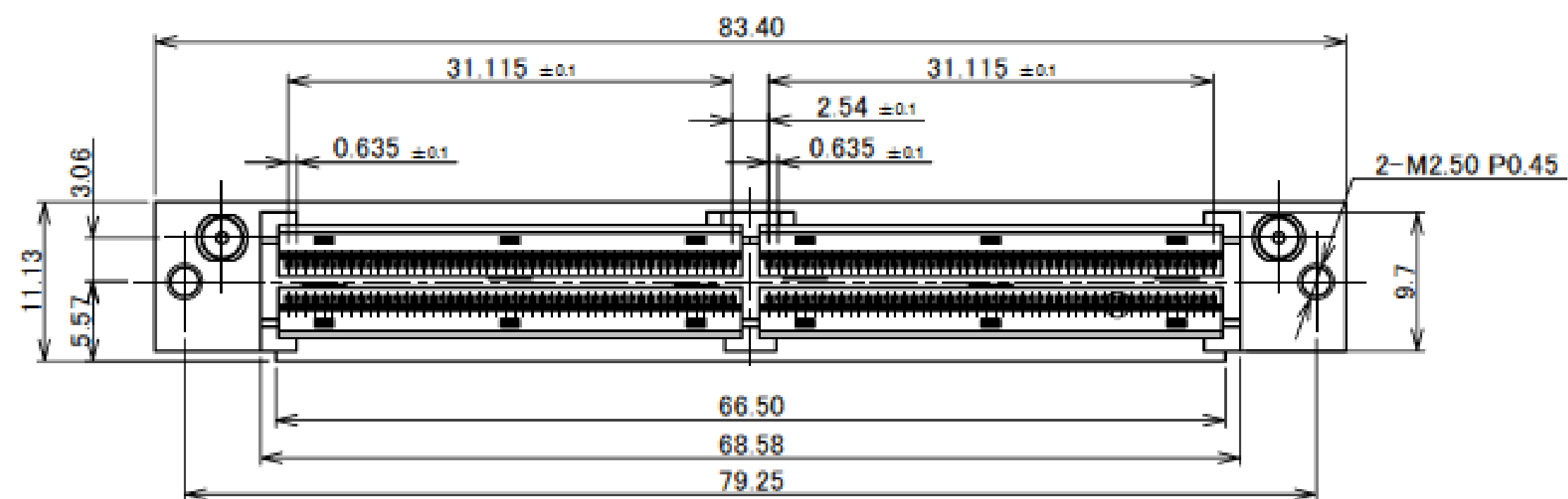
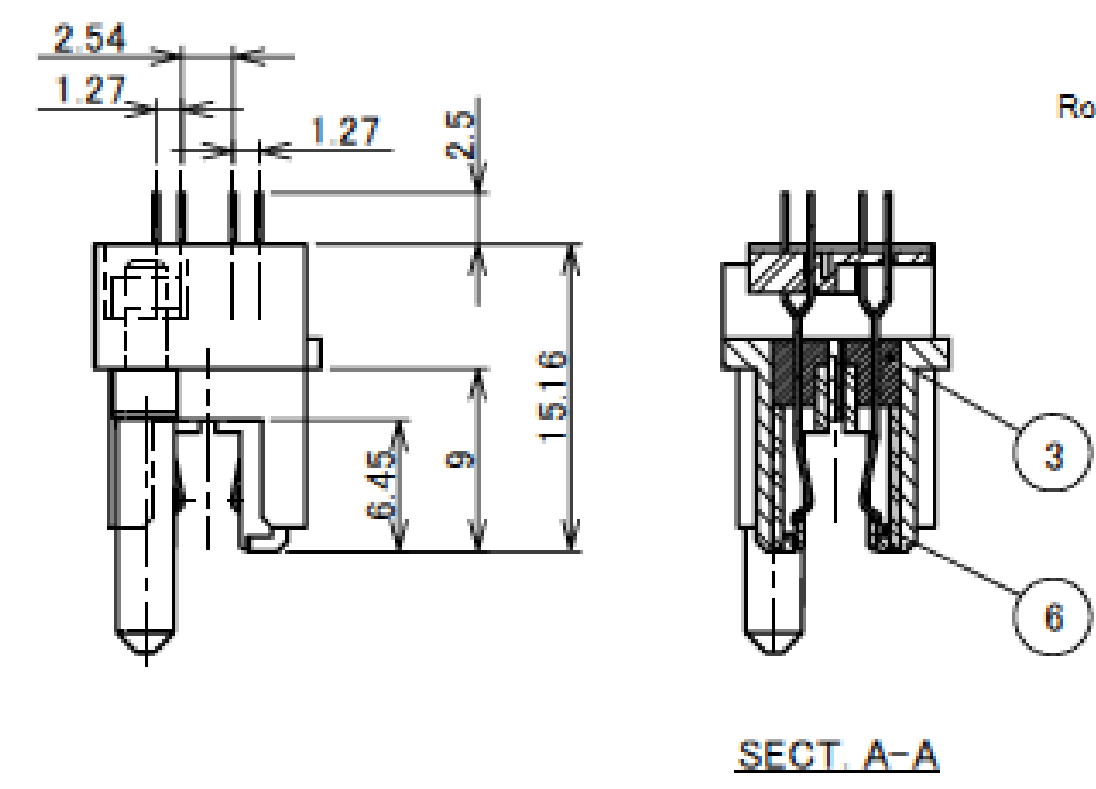
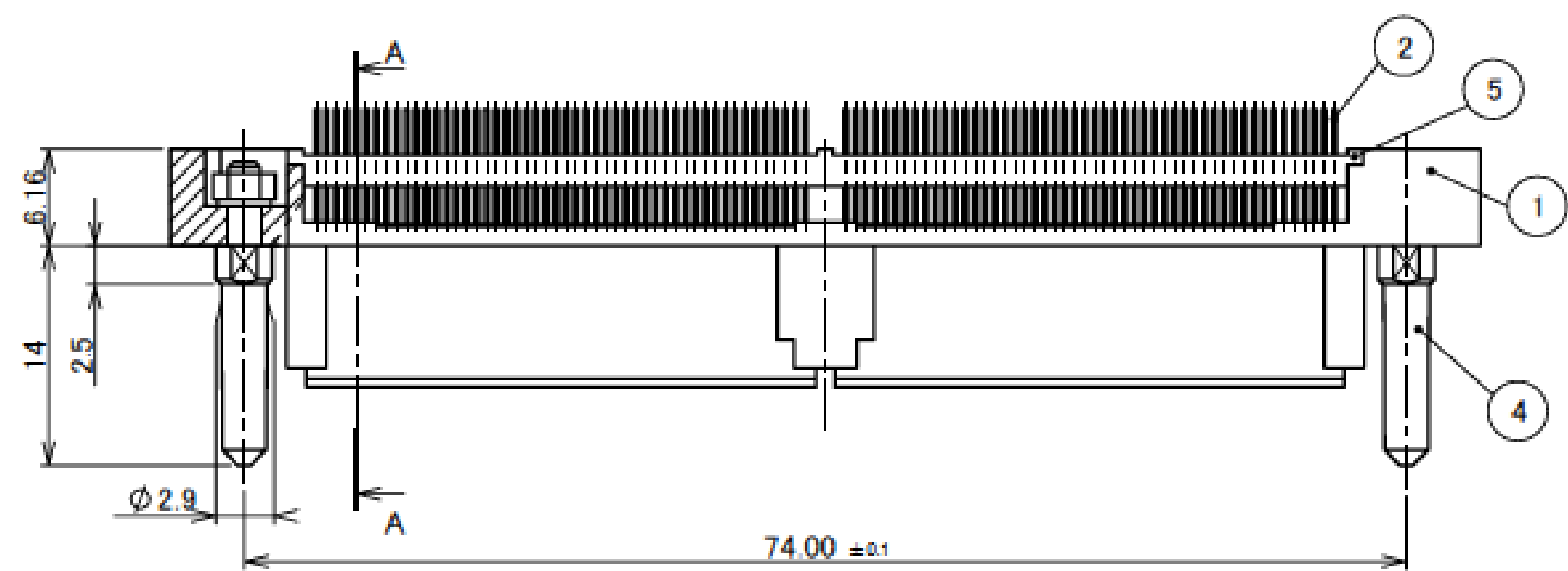


RECOMMENDED OPENING FOR MOUNTING BRACKET

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.
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	300-015
INSTRUCTION MANUAL	-
APPEARANCE CRITERIA No.	QLS-A***

Receptacle Assembly

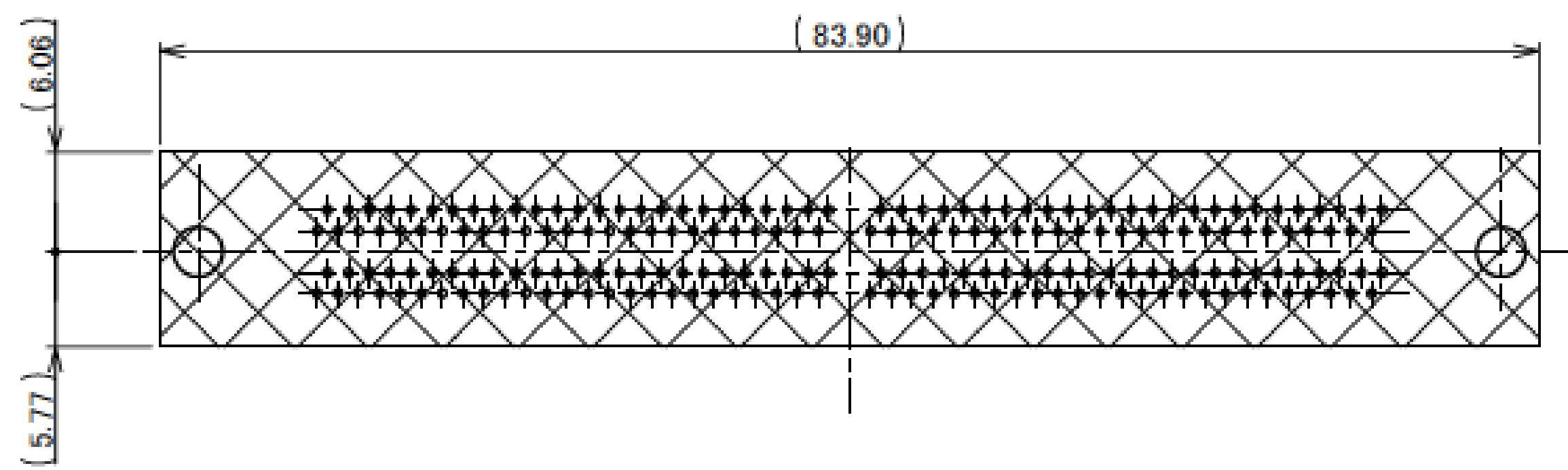
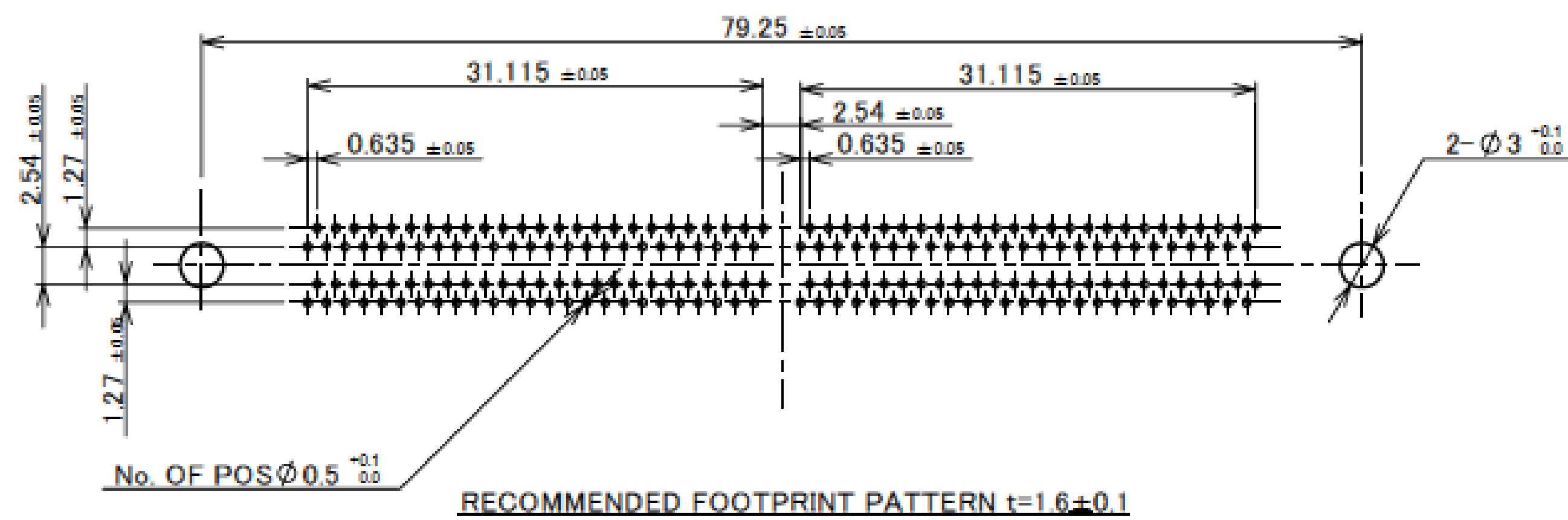
Recommended P/N	30007-200T-03F
PART NO.	
30007-200T-03F	



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

NOTE
1. CONNECTOR TO BE MATED: 30094

Rev.18



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA

Rev.18

Receptacle 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°C~+85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : $\triangle$ 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	300-030
INSTRUCTION MANUAL	–
APPEARANCE CRITERIA No.	QLS-A***

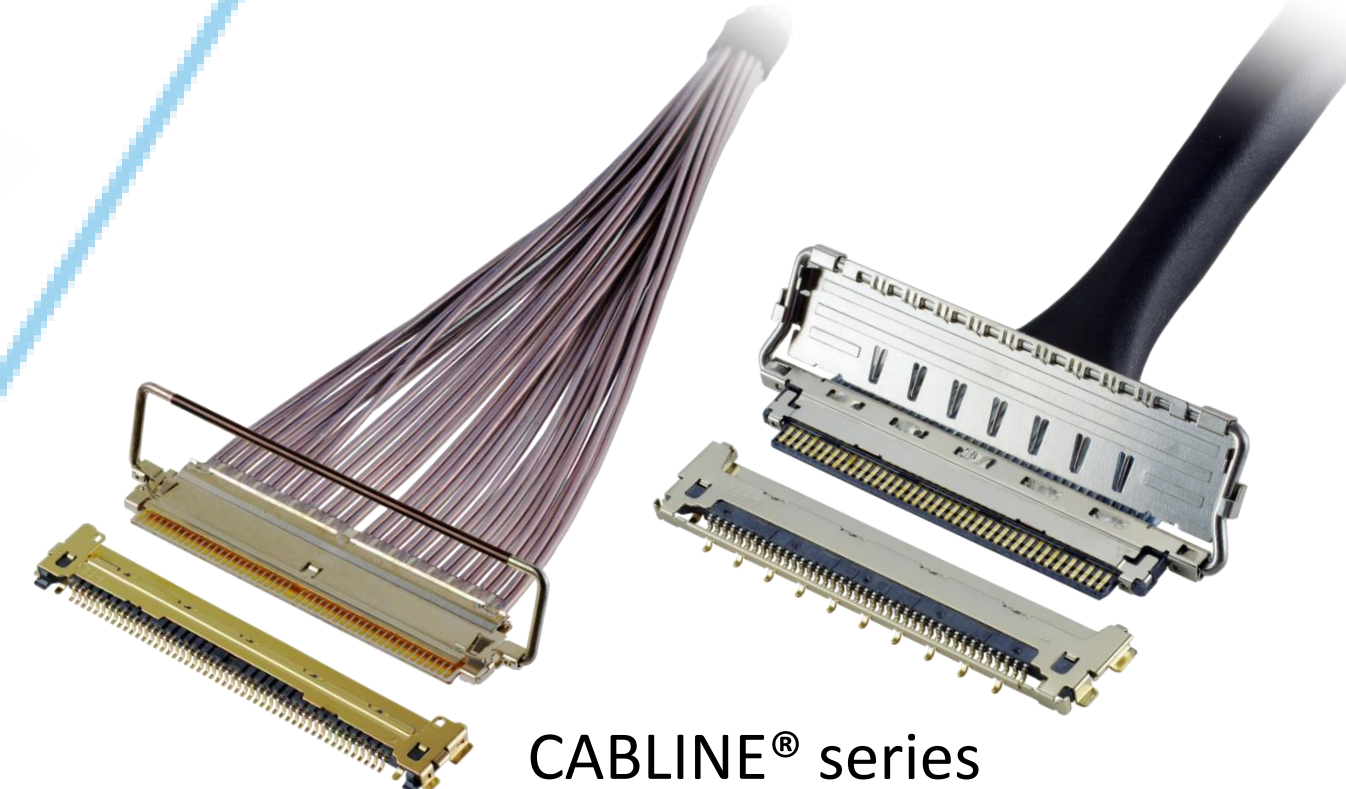
Custom Connectors Available

 RF
Connectors

MHF® series



Micro-coaxial/Twinax
Connectors

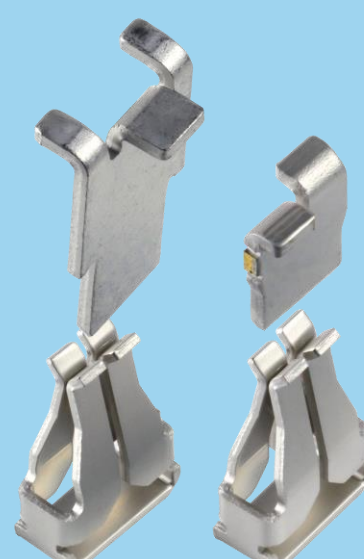


CABLINE® series

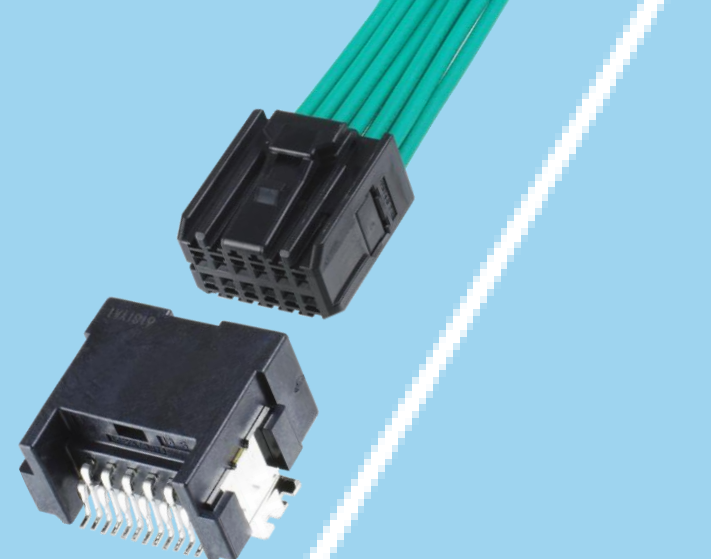


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



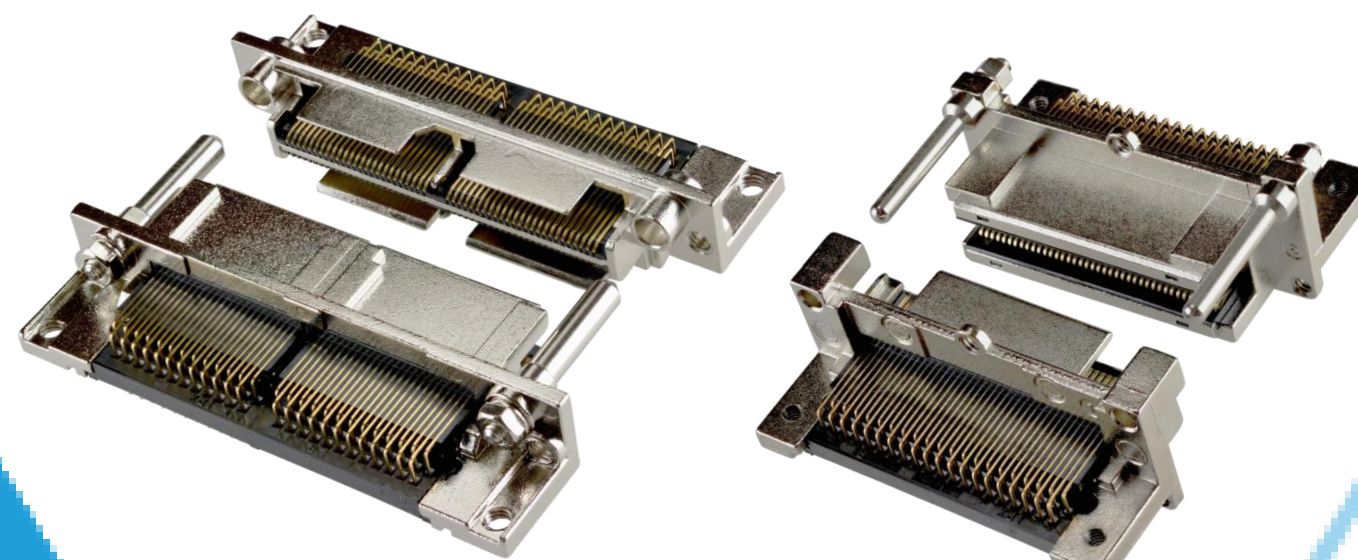
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



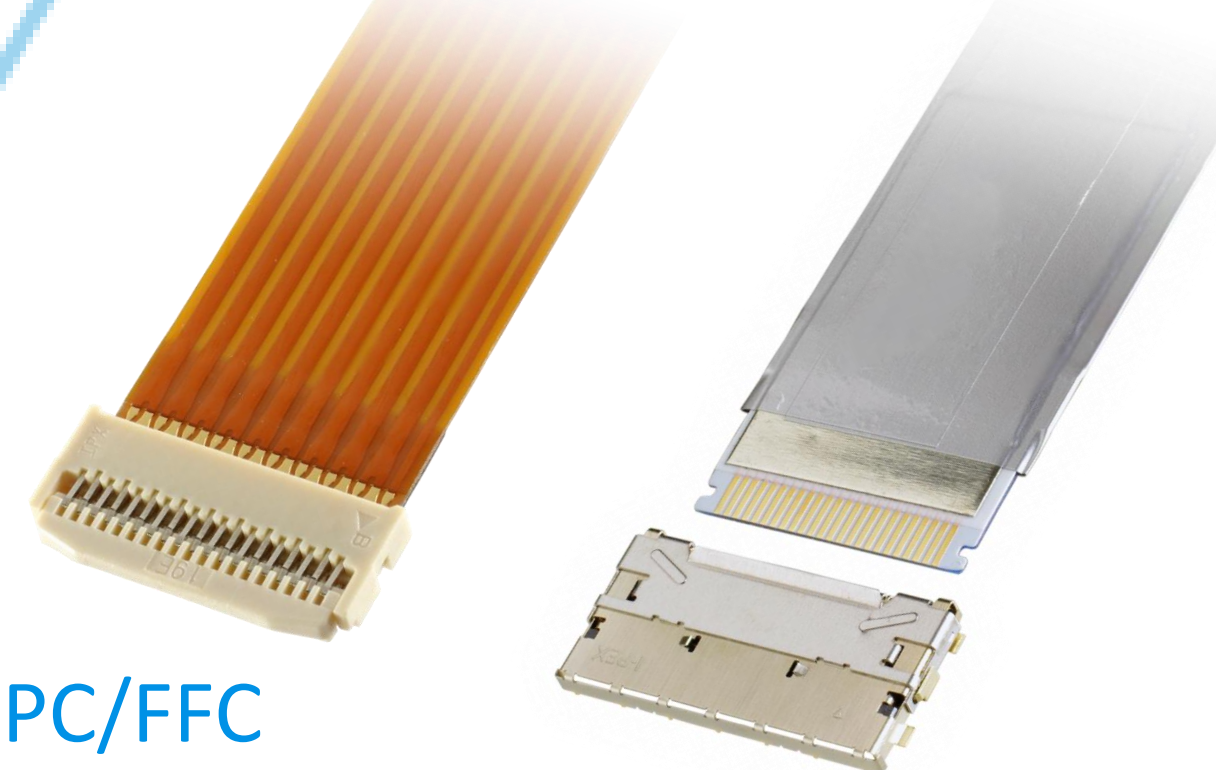
MINIDOCK™ series



FPC/FFC
Connectors

MINIFLEX® series

EVAFLEX® series



Inquiry



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