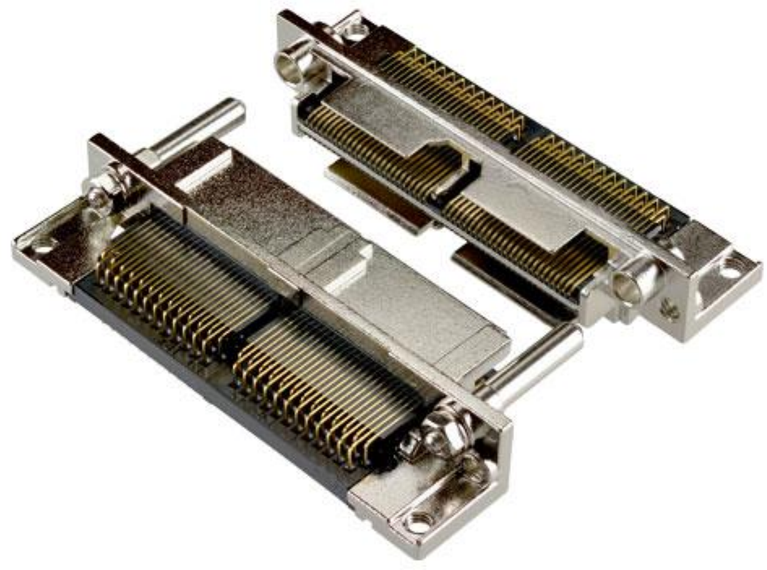
MINIDOCK™ STANDARD

稳固的高pin数 Docking I/O连接器



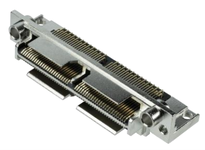
Product Specifications:

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

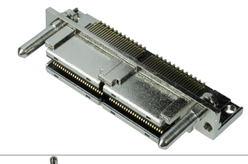
*如您需要了解未列出或不在范围内的Pin数，请咨询我们。

适合于多种应用的稳固型连接器(移动设备、仪器仪表、医疗器械等)

标准型公座

料号	Pin数	嵌合类型	端子类型	外观
30001	100	直角	全长Pin 标准类型	
30094	200		全长Pin 偏移类型	

标准型母座

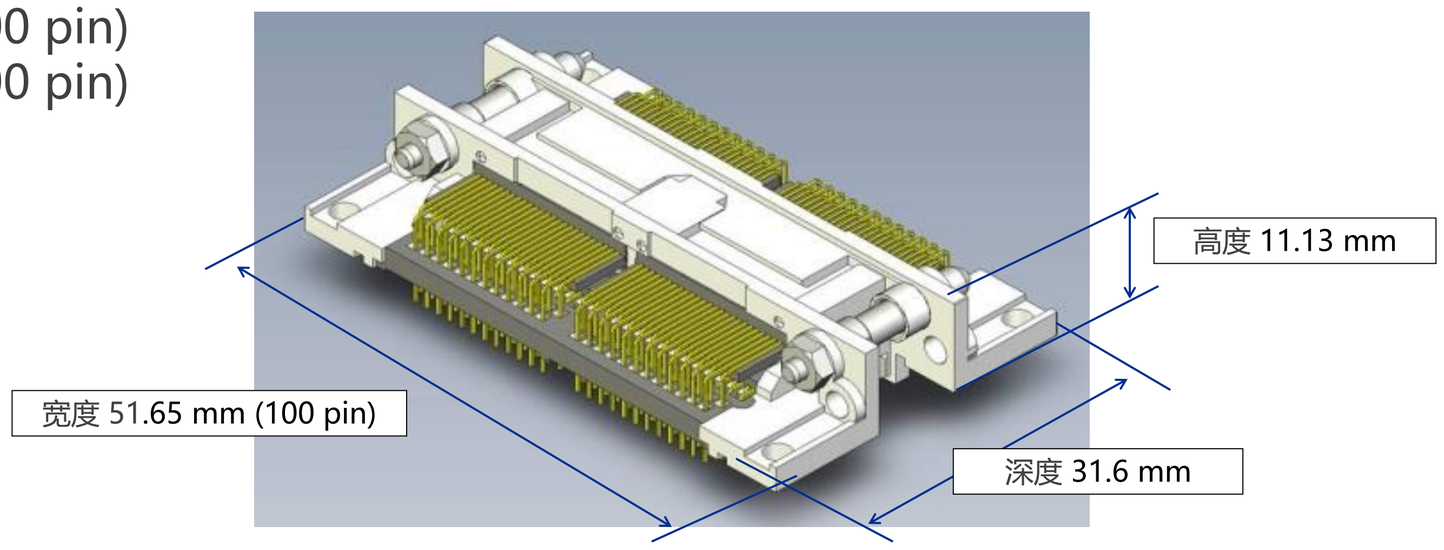
料号	Pin数	嵌合类型	端子类型
30002	100	直角	
30007	200	垂直	

高达 5,000 次的插拔寿命

直角公座–直角母座一对

料号

- •公座　30001 (100 pin)
- •母座　30002 (100 pin)

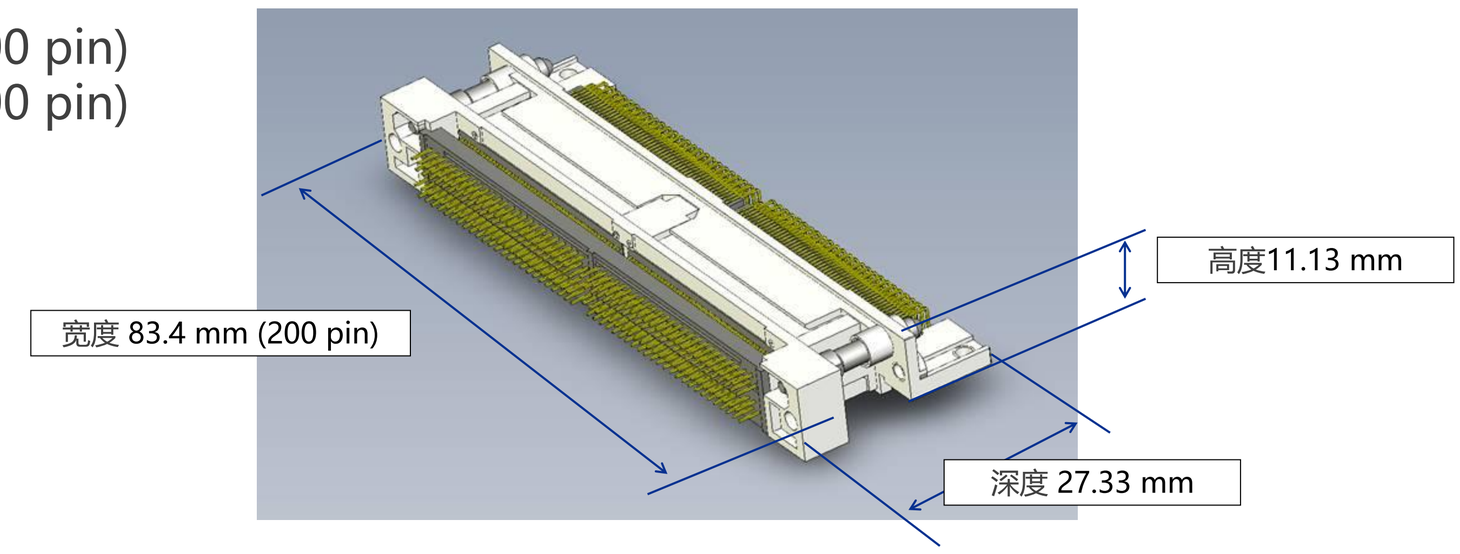


可选带螺丝的款式、具备理想的锁扣功能

直角公座–直角母座一对

料号

- •公座　30094 (200 pin)
- •母座　30007 (200 pin)

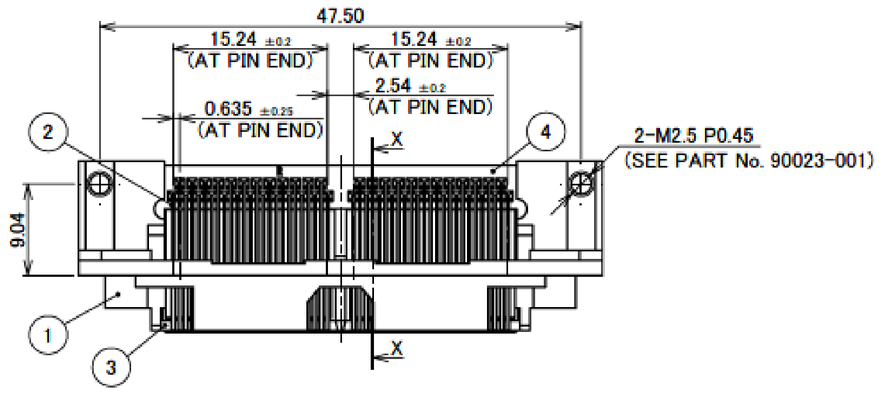


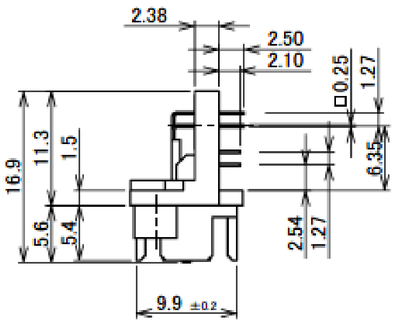
Component Parts Details

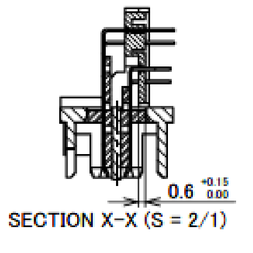
Plug Assembly

Recommended P/N	30001-100T-F	30001-100T-01F

PART No.	POS.	SCREW
30001-100T-F	100P	WITHOUT SCREW
30001-100T-01F	100P	WITH SCREW

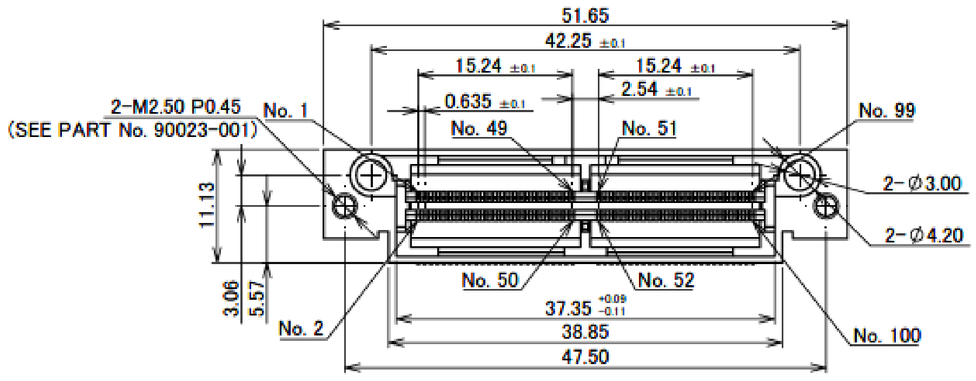


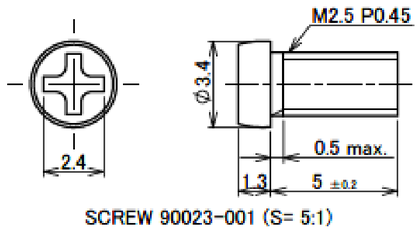




SECTION X-X (S = 2/1)

RoHS Compliant





SCREW 90023-001 (S= 5:1)

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

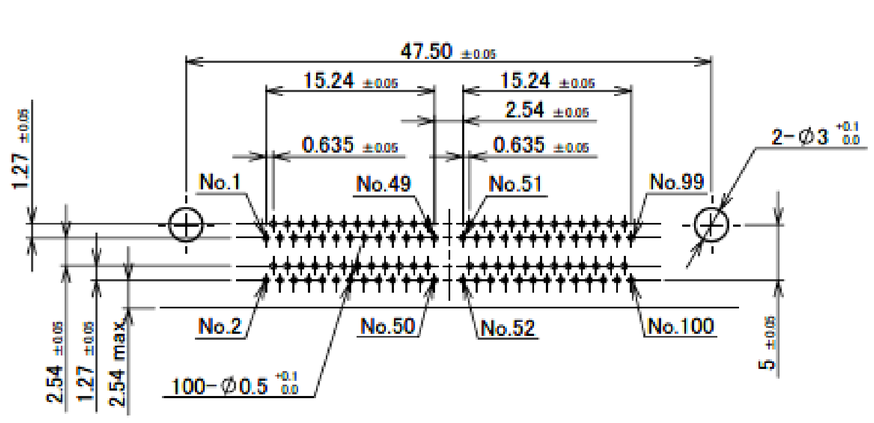
30001-100T-**F
- NONE: WITHOUT SCREW
- 01: WITH SCREW
- POS.

NOTES
1. CONNECTOR TO BE MATED: 30002, 30007

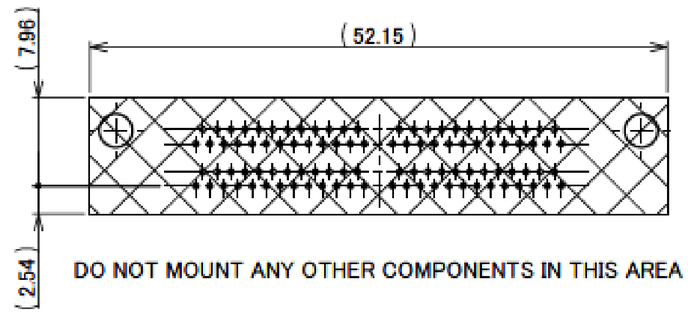
Rev.38

Plug Assembly

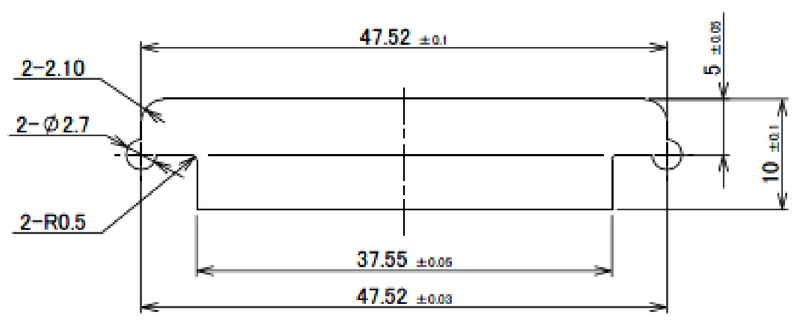
PART No.	POS.	SCREW
30001-100T-F	100P	WITHOUT SCREW
30001-100T-01F	100P	WITH SCREW



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



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA



RECOMMENDED OPENING FOR MOUNTING BRACKET

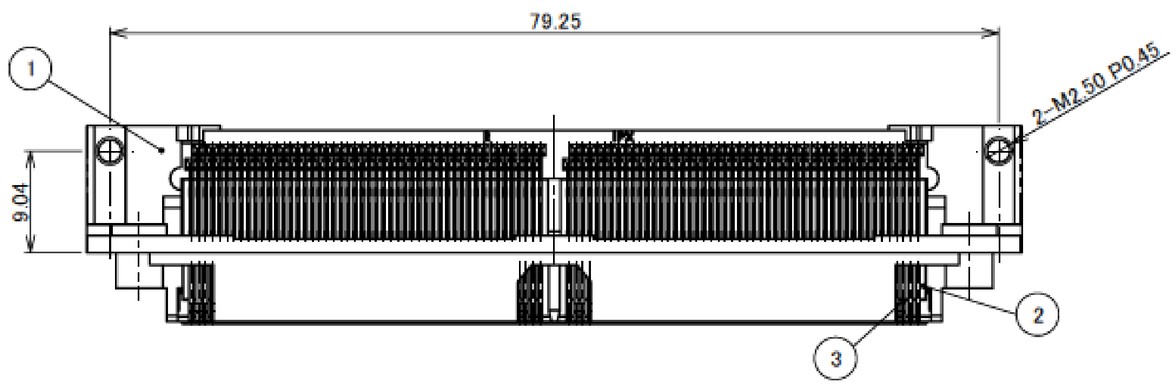
ITEMS	SPECIFICATION
RATING VOLTAGE	250V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	208～358K(-65°C～+85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : ⊿25mohm MAX.
INSULATION RESISTANCE	INITIAL : 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***

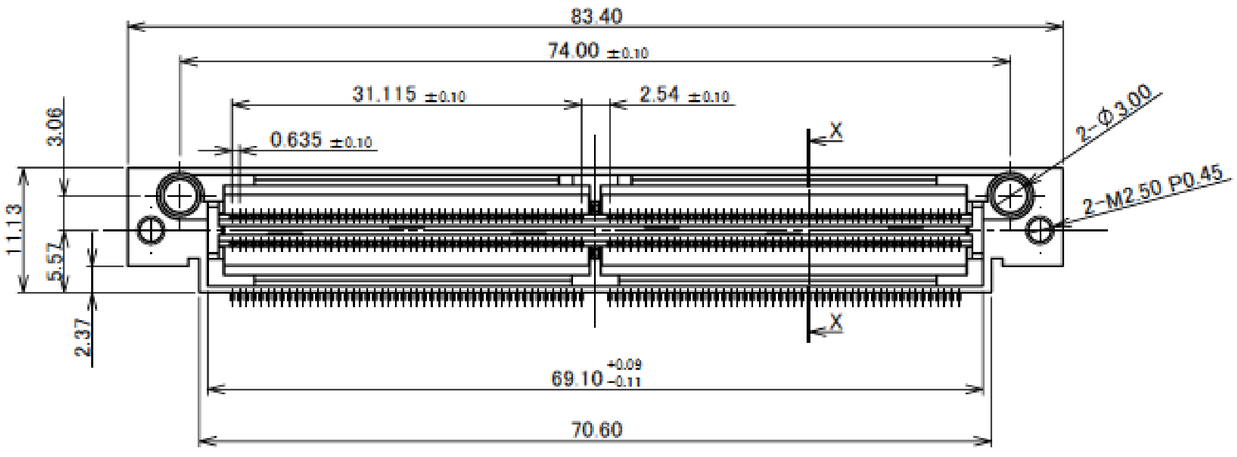
Plug Assembly

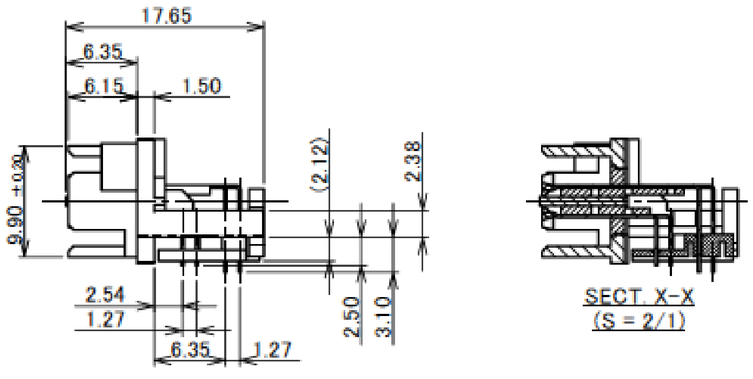
Recommended P/N	30094-200T-01F

PART No.	SCREW
30094-200T-F	WITH SCREW
30094-200T-01F	WITHOUT SCREW

RoHS Compliant



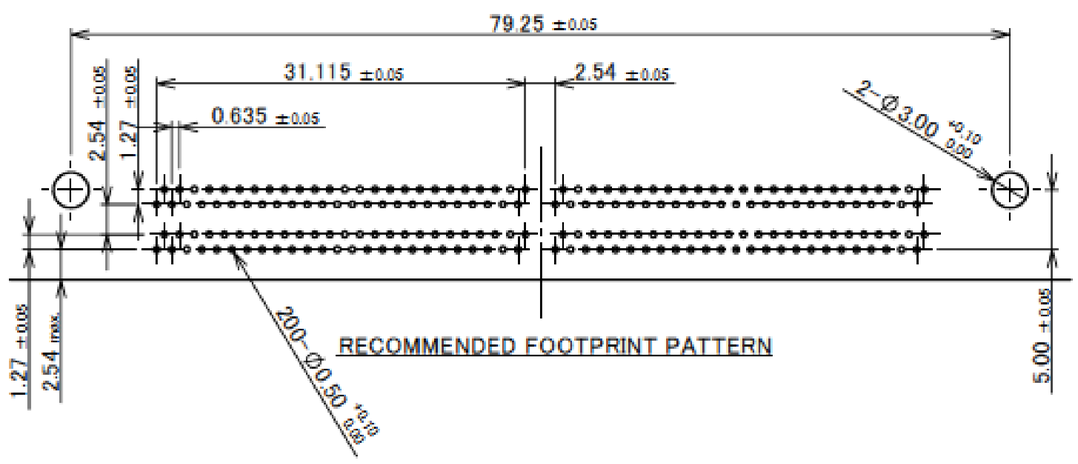


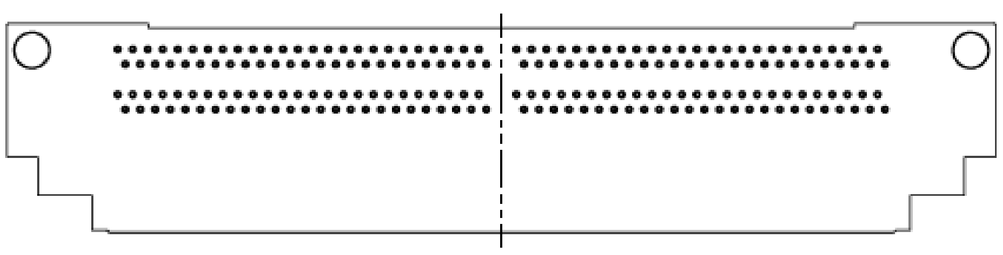


NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	CONTACT	COPPER ALLOY	CONTACT AREA : Au FLASH SOLDER AREA : Au FLASH
2	INSULATOR	HEAT RESISTING PLASTICS	BLACK, UL94V-0
1	SHELL	Zn ALLOY	–

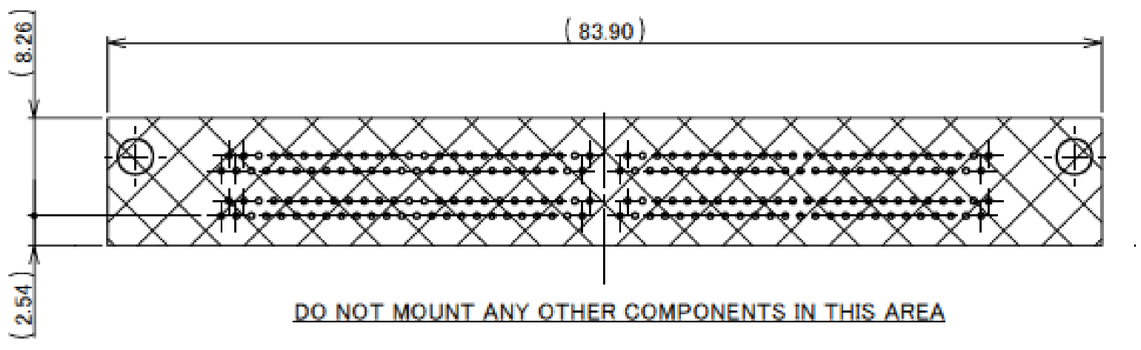
NOTES
1. CONNECTOR TO BE MATED: 30007-200T-03*

Rev.8





CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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℃～+85℃)
OPERATING HUMIDITY	85% MAX.
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***

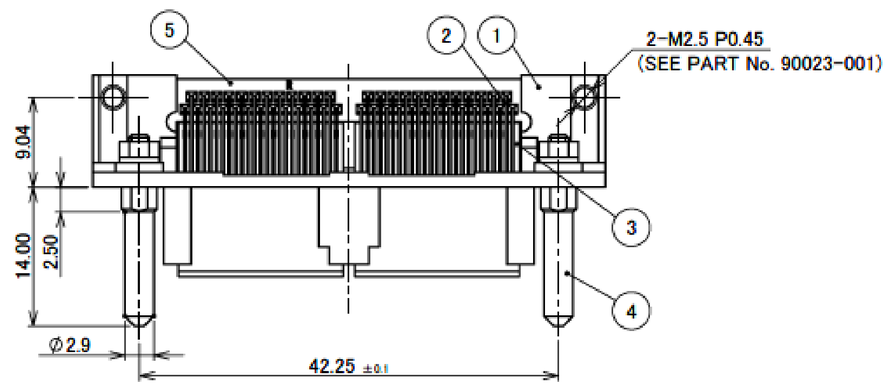
Rev.8

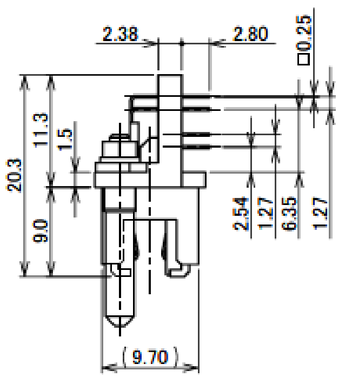
Receptacle Assembly

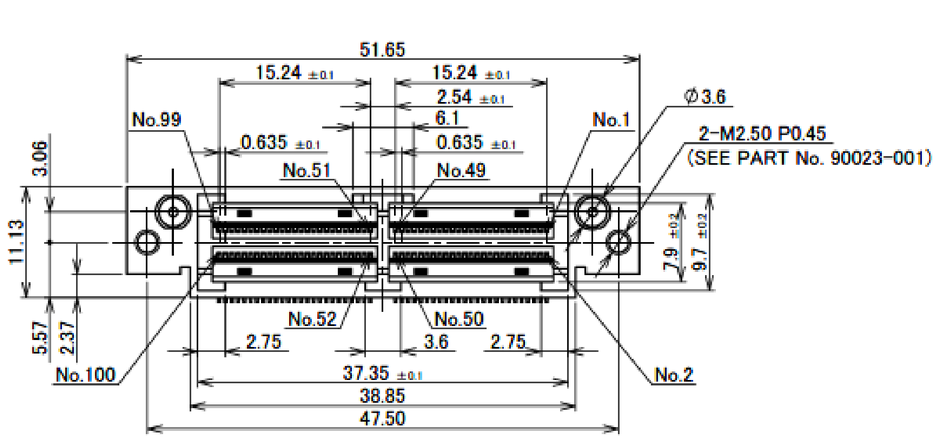
Recommended P/N	30002-100T-F	30002-100T-01F

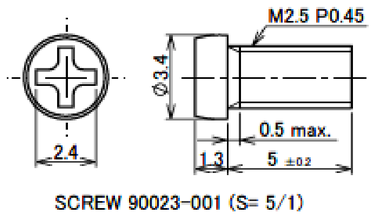
PART No.	POS.	SCREW
30002-100T-F	100P	WITHOUT SCREW
30002-100T-01F	100P	WITH SCREW

RoHS Compliant









SCREW 90023-001 (S= 5/1)

No.	DISCRIPTION	MATERIAL	FINISH , REMARKS
5	LOCATOR PLATE	PA	BLACK UL94V-0
4	GUIDE PIN	STEEL	Ni PLATING
3	RECEPTACLE INSULATOR	PPS	BLACK UL94V-0
2	RECEPTACLE CONTACT	COPPER ALLOY	ALL OVER Ni 1.27μm MIN. CONTACT PART Au 0.05μm MIN.
1	RECEPTACLE SHELL	Zn ALLOY	Ni PLATING

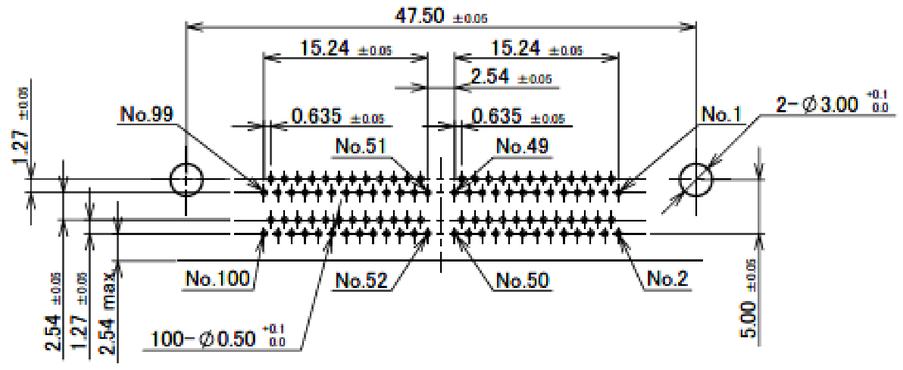
30002-100T-**F
NONE: WITHOUT SCREW
01: WITH SCREW
POS.

NOTE
1. CONNECTOR TO BE MATED: 30001, 30005

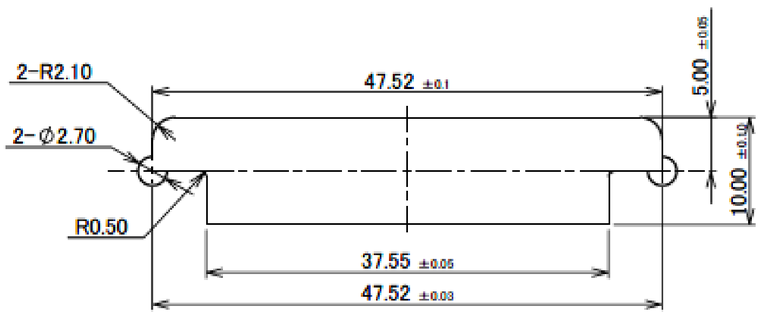
Rev.34

Receptacle Assembly

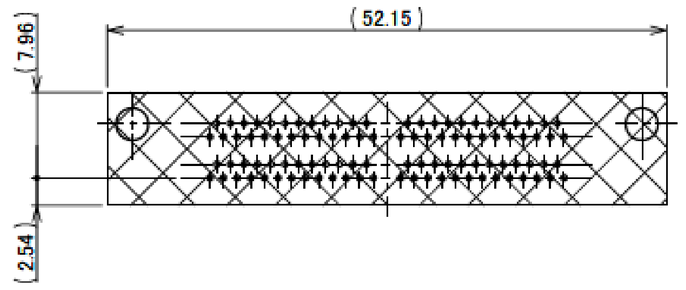
PART No.	POS.	SCREW
30002-100T-F	100P	WITHOUT SCREW
30002-100T-01F	100P	WITH SCREW



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



RECOMMENDED OPENING FOR MOUNTING BRACKET



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA

Rev.34

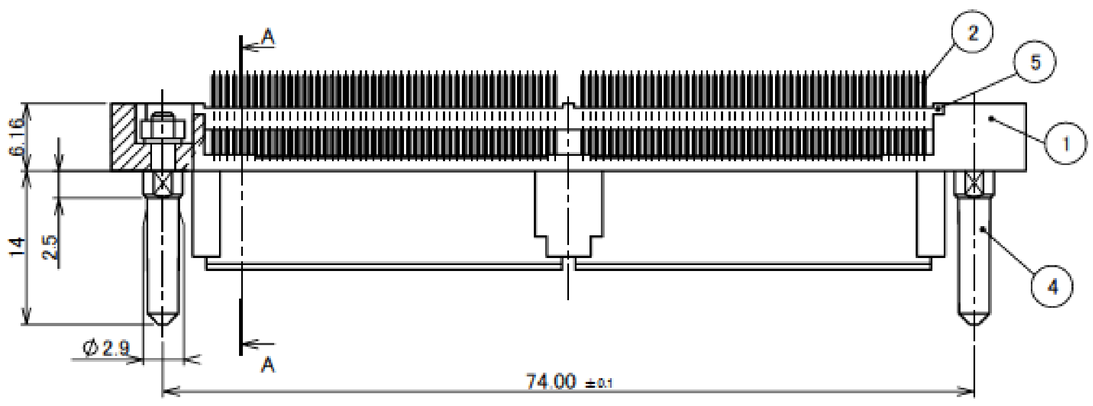
ITEMS	SPECIFICATION
RATING VOLTAGE	250V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	208～358K(-65°C～+85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : ⊿25mohm MAX.
INSULATION RESISTANCE	INITIAL : 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***

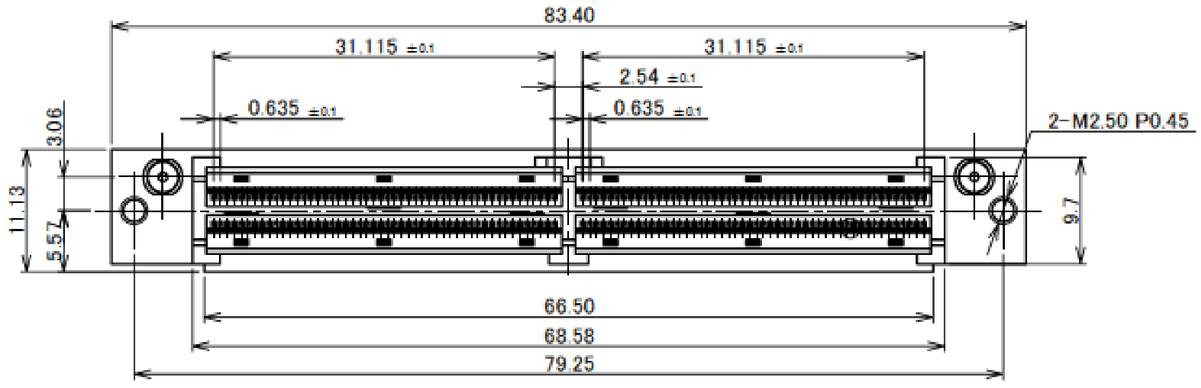
Rev.34

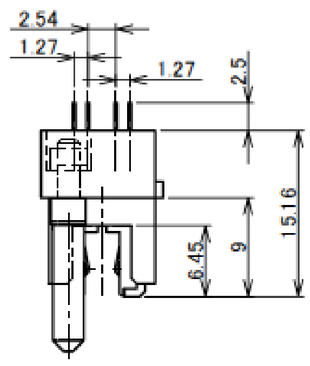
Receptacle Assembly

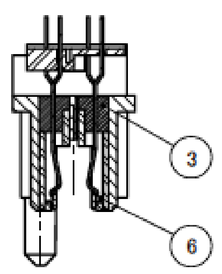
Recommended P/N	30007-200T-03F

PART NO.
30007-200T-03F







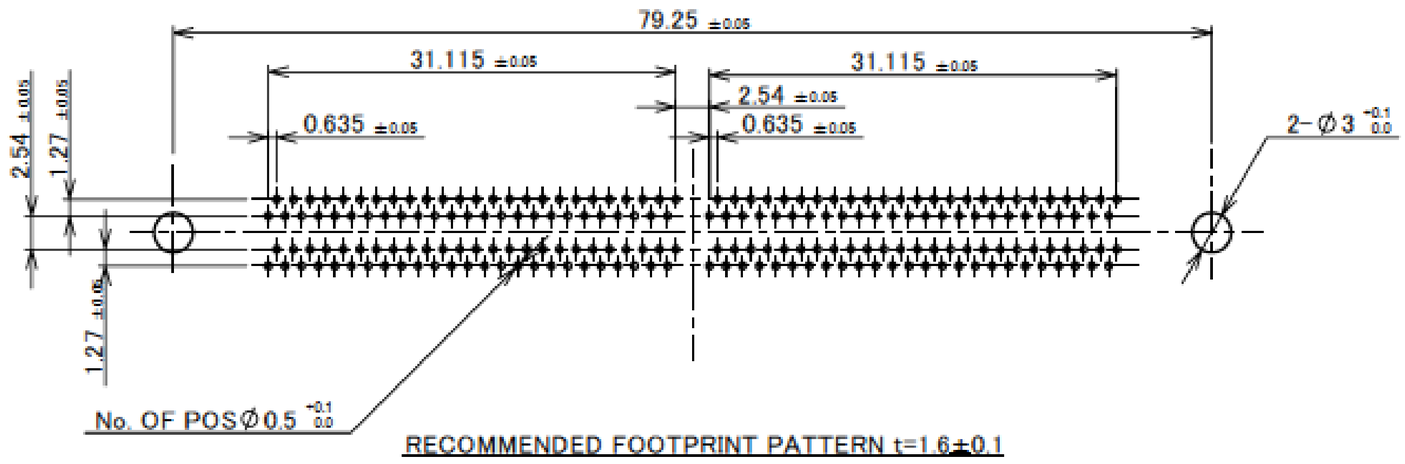


SECT. A-A

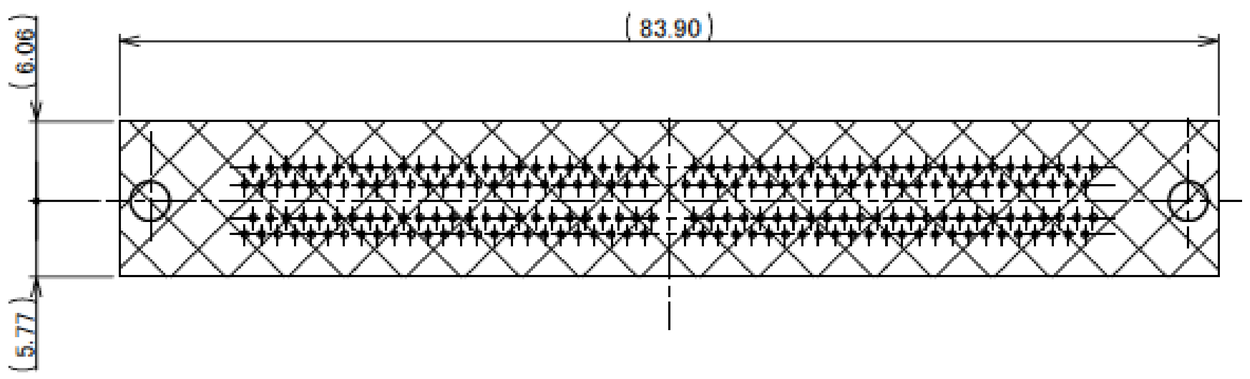
RoHS Compliant

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
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

NOTE
1. CONNECTOR TO BE MATED: 30094



RECOMMENDED FOOTPRINT PATTERN t=1.6±0.1



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA

Receptacle Assembly

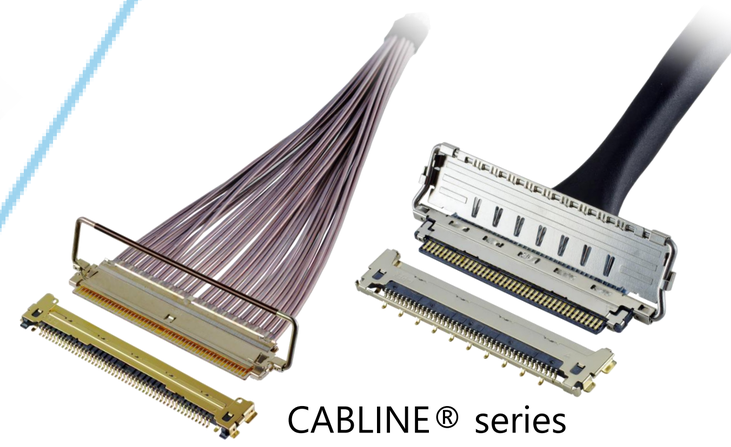
ITEMS	SPECIFICATION
RATING VOLTAGE	250V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	208～358K(−65℃～+85℃)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : ⊿25mohm MAX.
INSULATION RESISTANCE	INITIAL : 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	300-030
INSTRUCTION MANUAL	–
APPEARANCE CRITERIA No.	QLS-A***

Custom Connectors Available

RF Connectors

MHF® series

Micro-Coaxial/Twinaxial Connectors



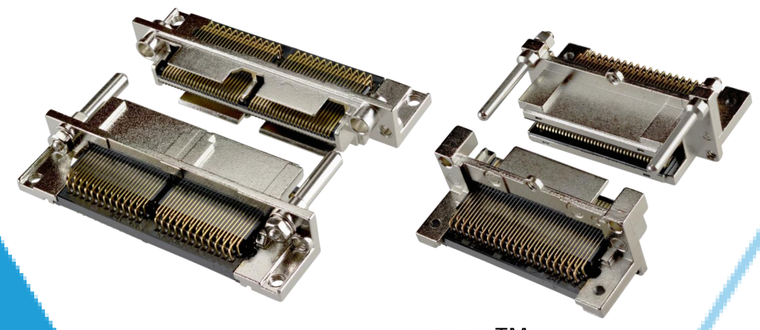
CABLINE® series

Wire-to-Board Connectors/ Terminals

AP series

ISH® series

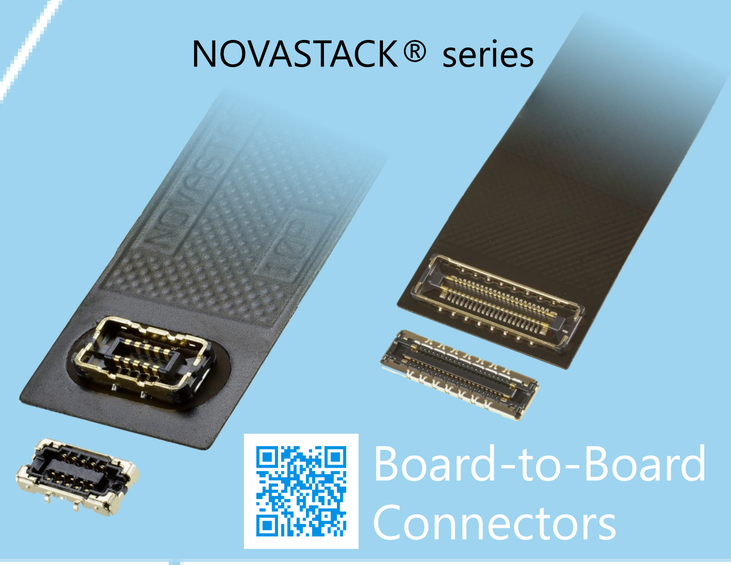
I/O Connectors



MINIDOCK™ series

Board-to-Board Connectors

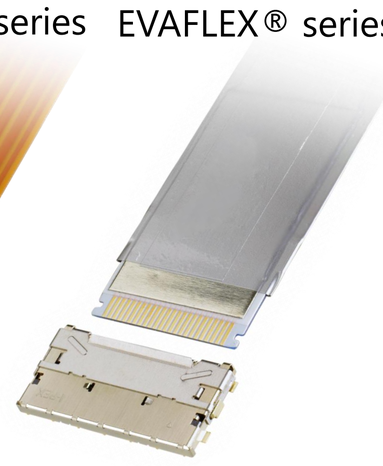
NOVASTACK® series



FPC/FFC Connectors

MINIFLEX® series

EVAFLEX® series



Inquiry

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