

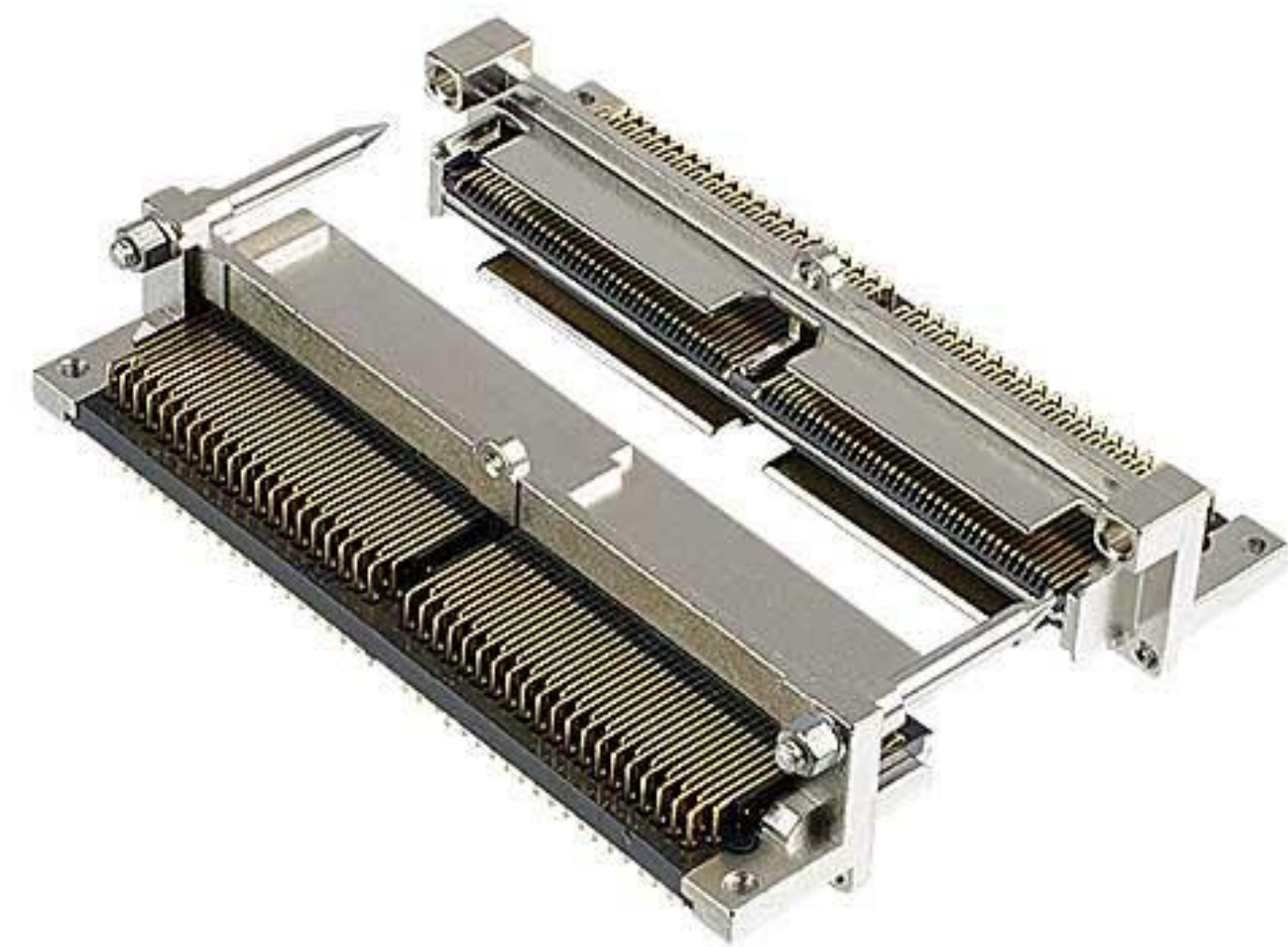
MINIDOCK™ SLIM

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	Formula: 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)

Slim Type Plug :

Part Number	Pin Count	Mating Type	Contact Type	Appearance
30029	80	수평	2 Sequence	
30046	160		2 Sequence	

Slim Type Receptacle :

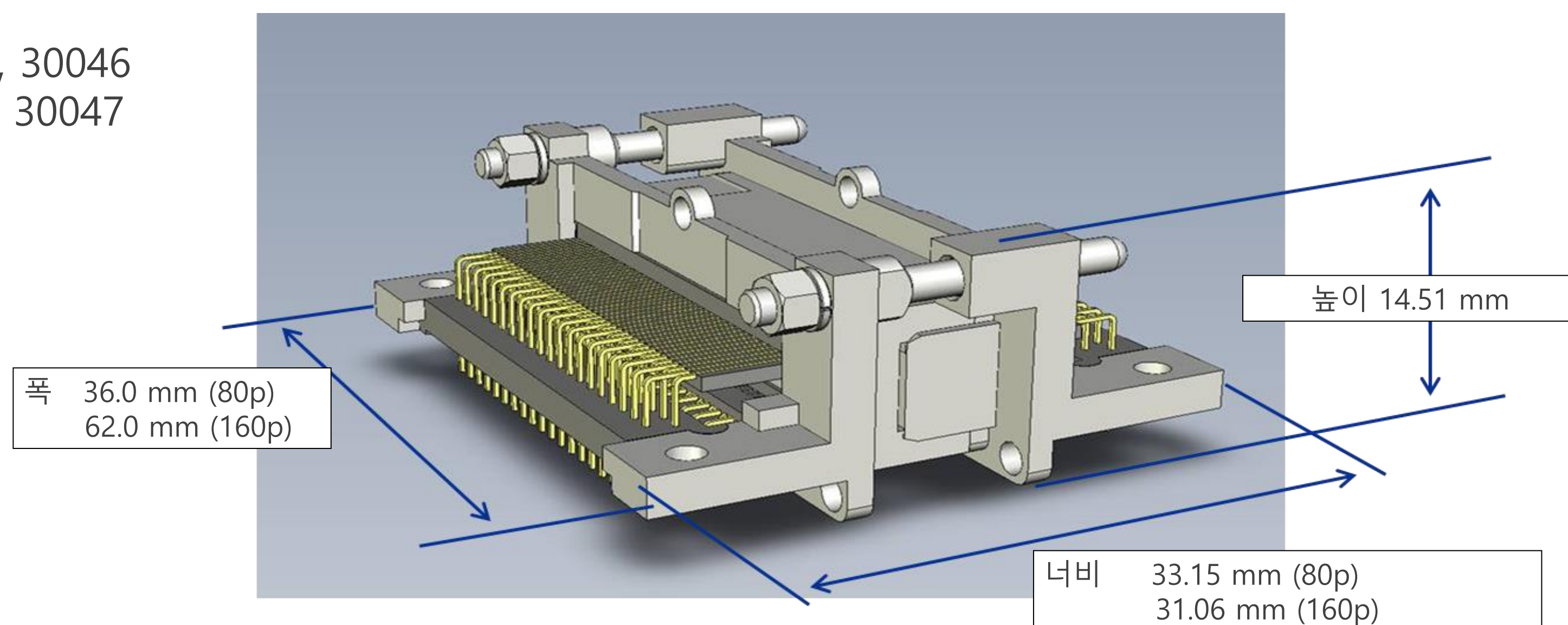
Part Number	Pin Count	Mating Type	Appearance
30030	80	수평	
30047	160		
30056	160	수직	

▶ 삽발 보증 회수 : 5000 사이클

수평타입PLUG – 수평타입RECEPTACLE 결합

형번

- Plug 30029, 30046
- Receptacle 30030, 30047

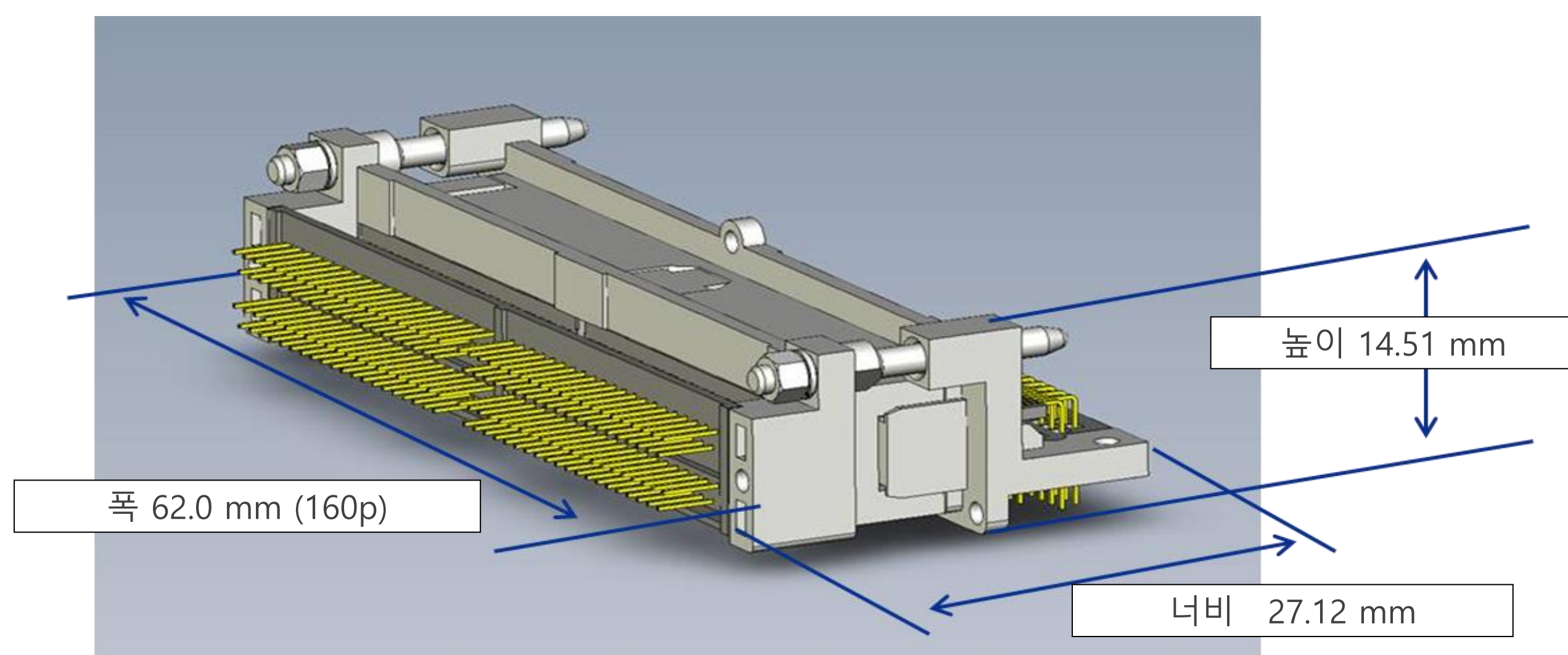


▶ 풍부한 결합 옵션과 보유 핀수

수평타입PLUG – 수직 RECEPTACLE 결합

형번

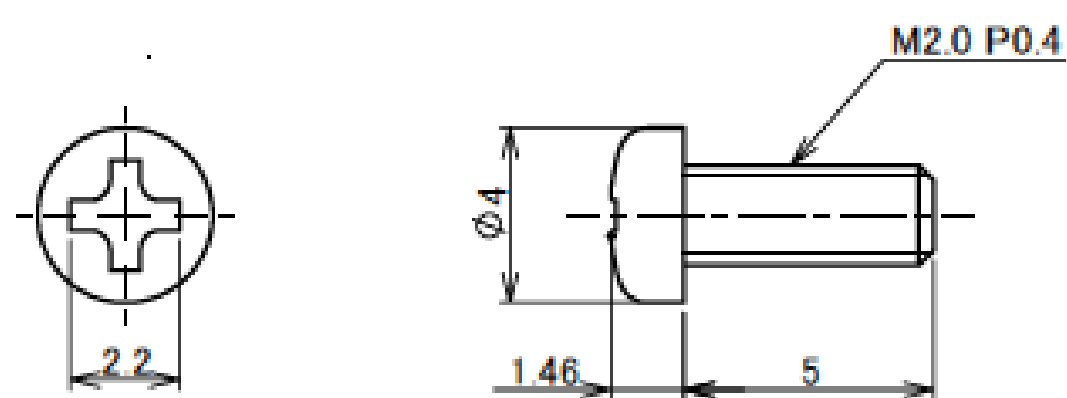
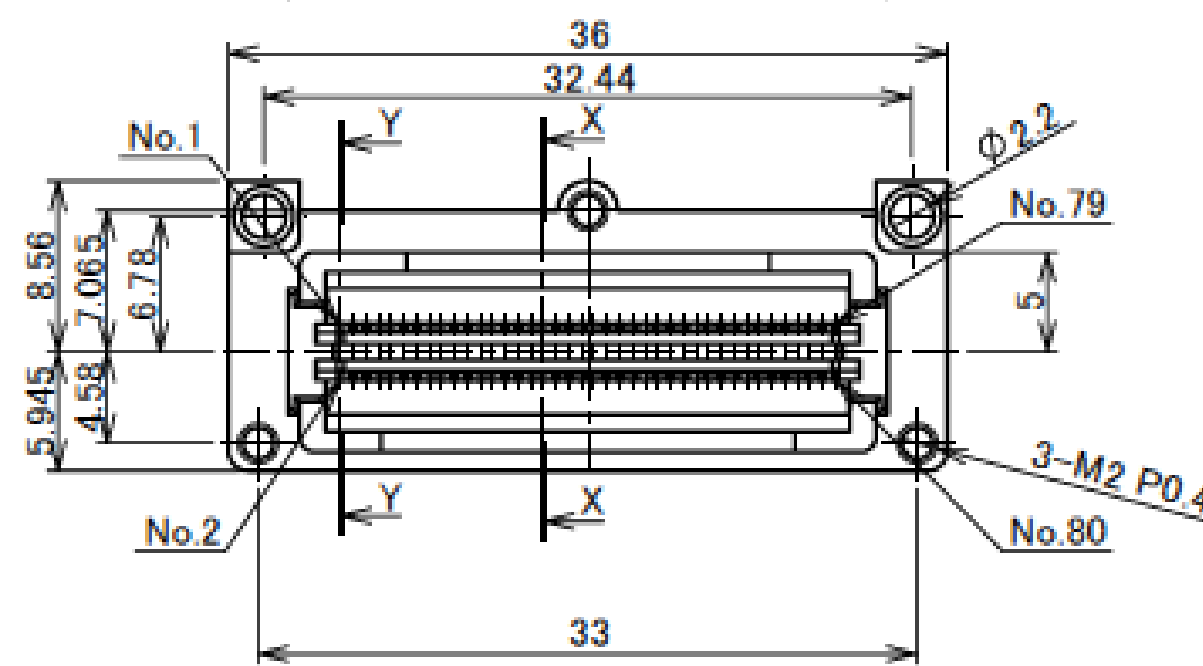
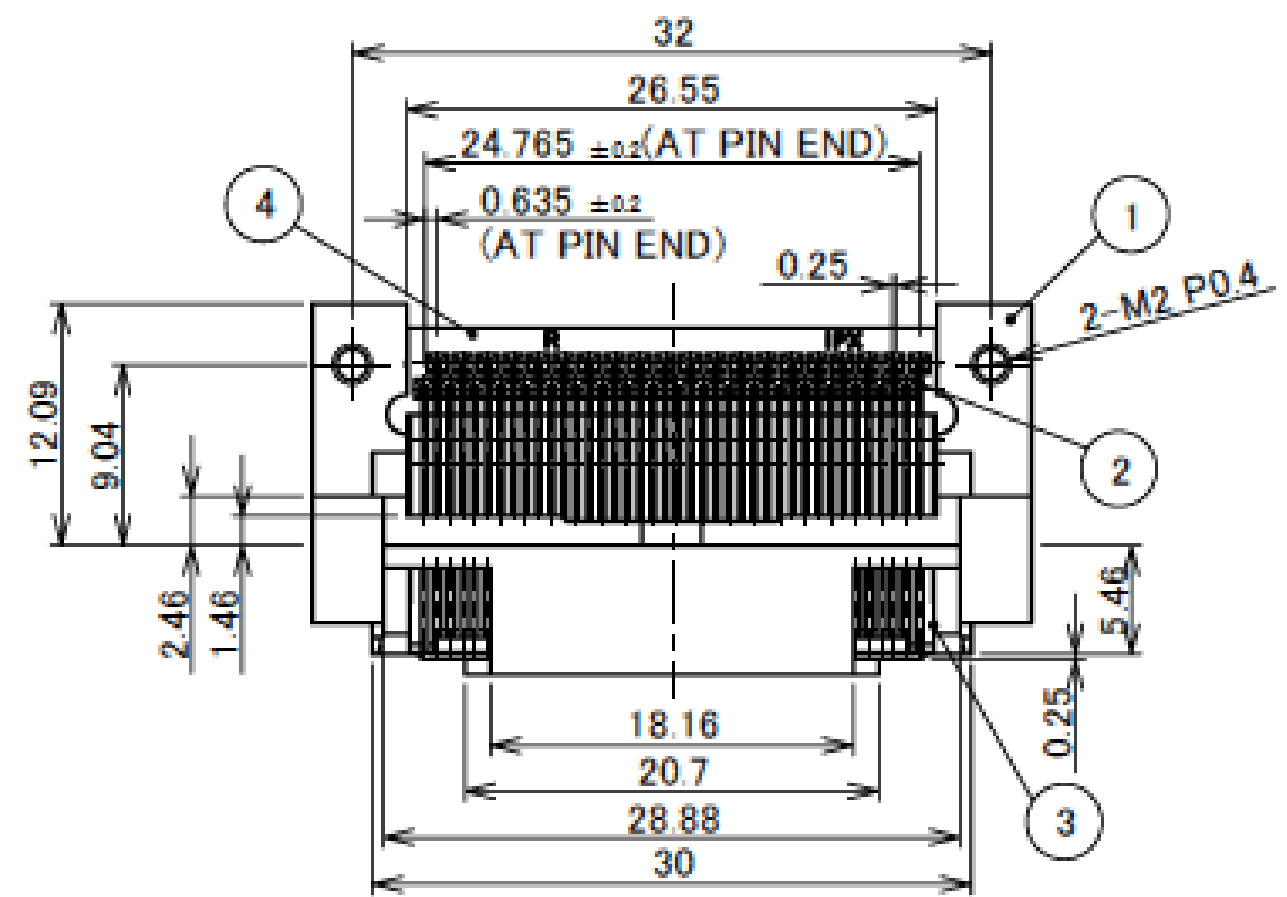
- Plug 30046
- Receptacle 30056



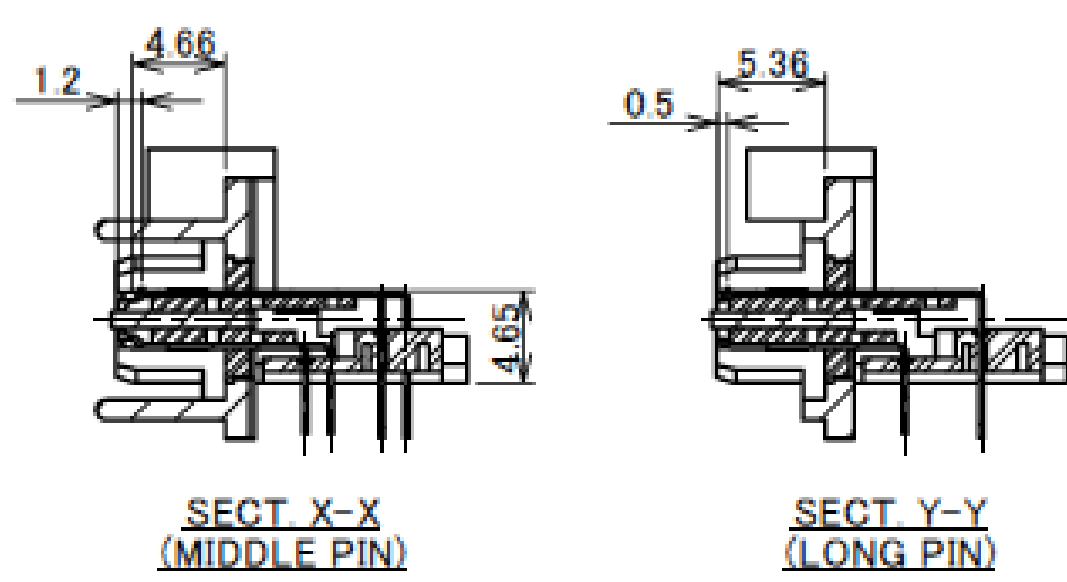
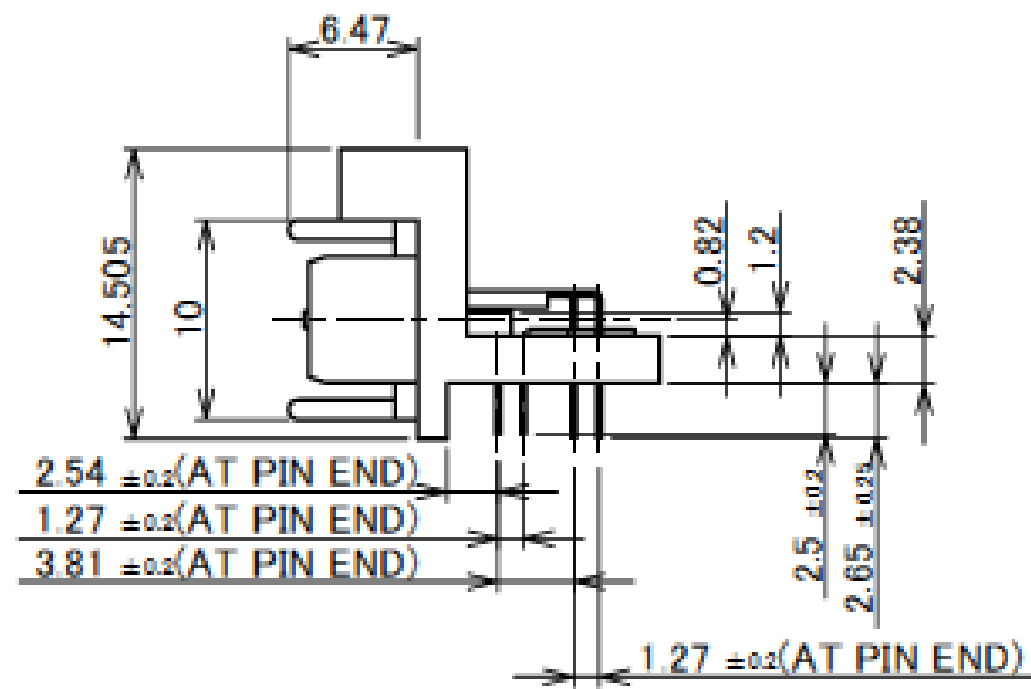
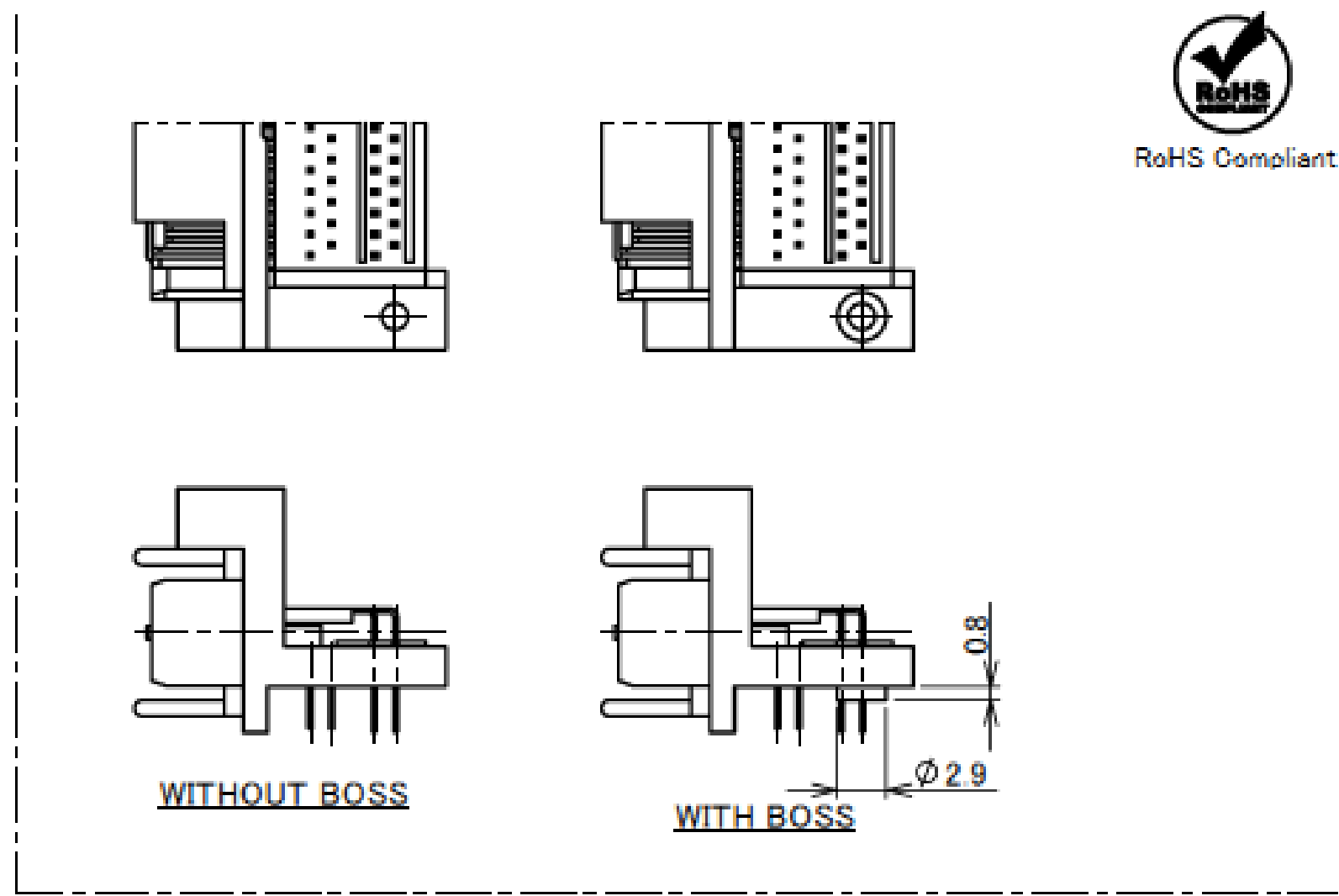
Component Parts Details

Plug Assembly

Recommended P/N		30029-080T-01F	
PART NO.	CIRCUIT No./CONTACT LENGTH		BOSS
	LONG PIN	MIDDLE PIN	
30029-080T-F	1, 2, 79, 80	OTHERS	WITHOUT BOSS
30029-080T-01F			WITHOUT SCREW
30029-080T-02F			WITH SCREW
30029-080T-03F			WITHOUT SCREW



SCREW 90042-001
(S = 5/1)

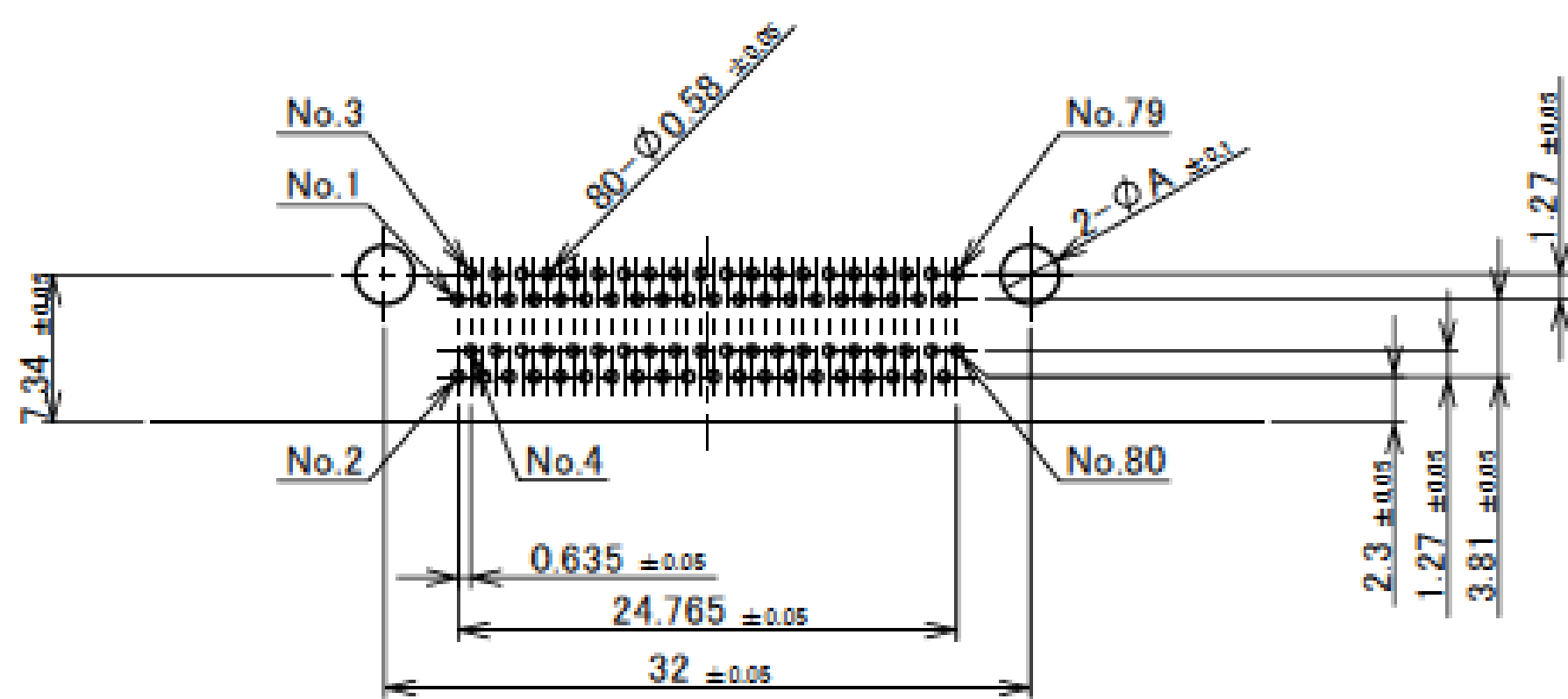


4	LOCATOR PLATE	PA	BLACK UL94V-0
3	PLUG INSULATOR	PPS	BLACK UL94V-0
2	PLUG CONTACT	COPPER ALLOY	CONTACT PART Au FLASH OVER Pd/Ni SOLDER TAIL Au FLASH
1	PLUG SHELL	Zn ALLOY	Ni PLATING
NO.	DISCRIPTION	MATERIAL	FINISH . REMARKS

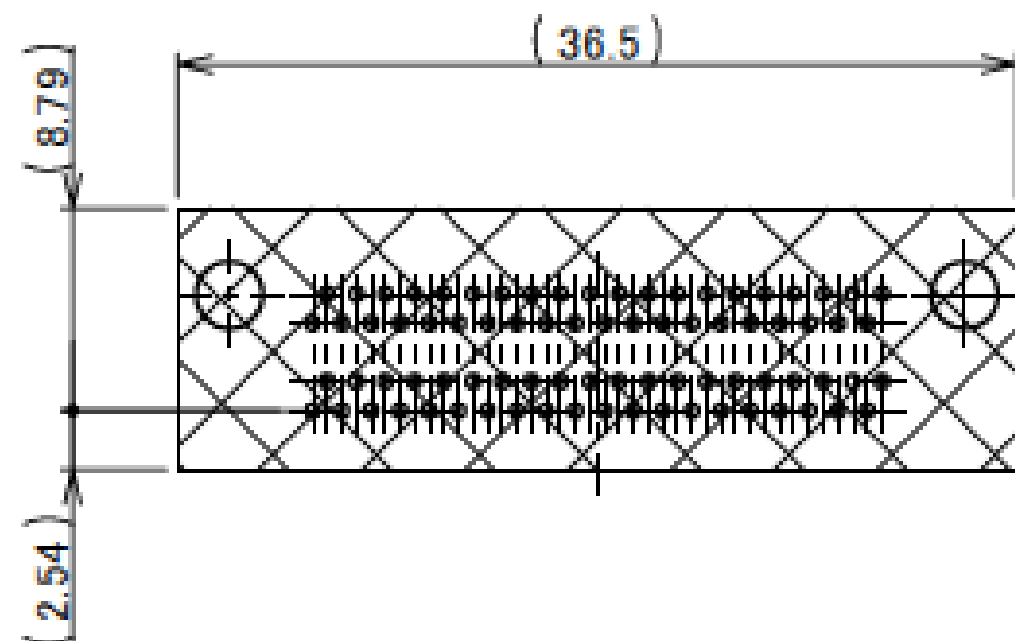
NOTE
1. CONNECTOR TO BE MATED: 30030

Plug Assembly

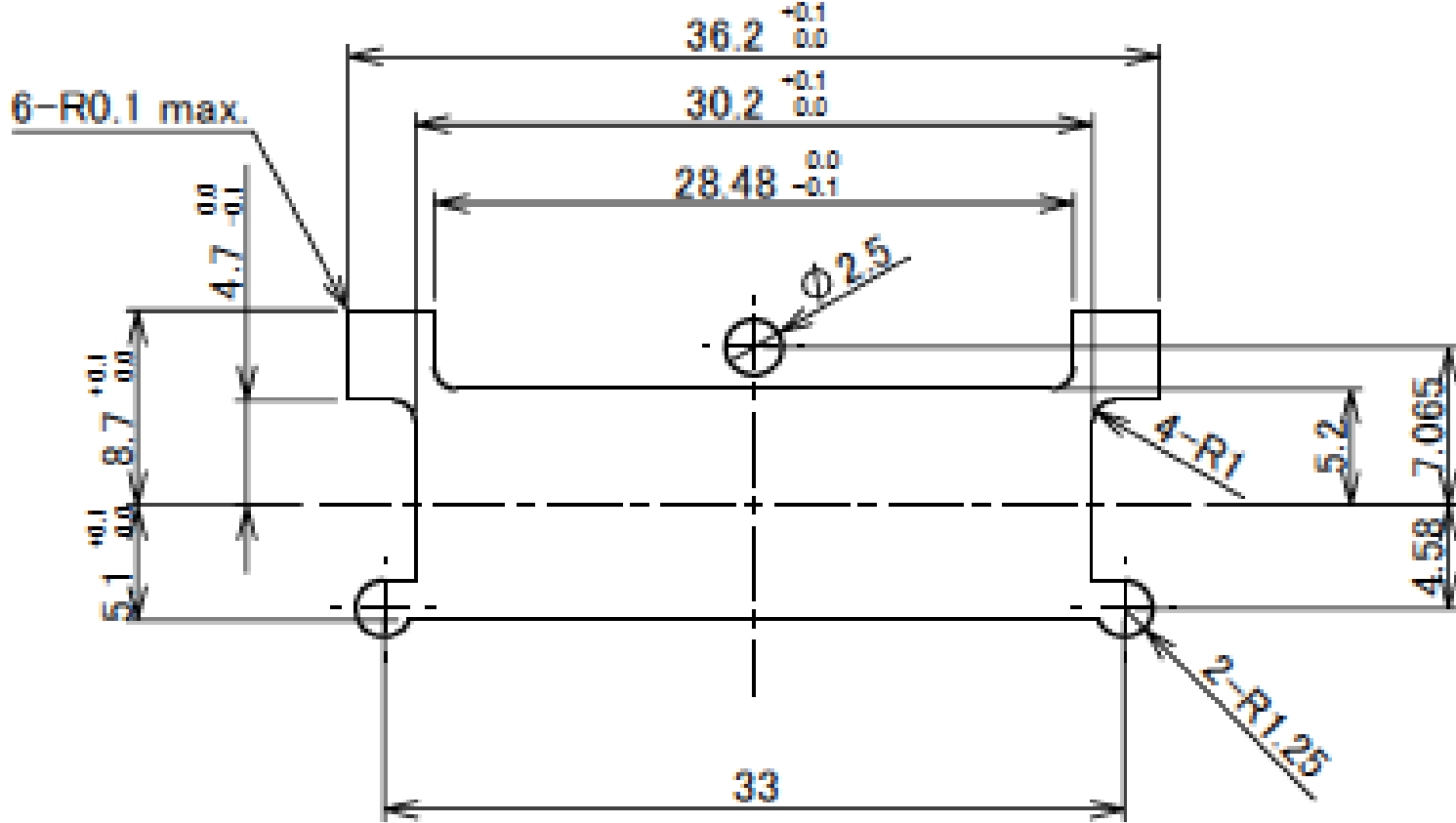
PART NO.	A
30029-080T-F	2.3
30029-080T-01F	
30029-080T-02F	3.1
30029-080T-03F	



RECOMMENDED FOOTPRINT PATTERN t=1.6



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA



RECOMMENDED PANEL

Rev.18

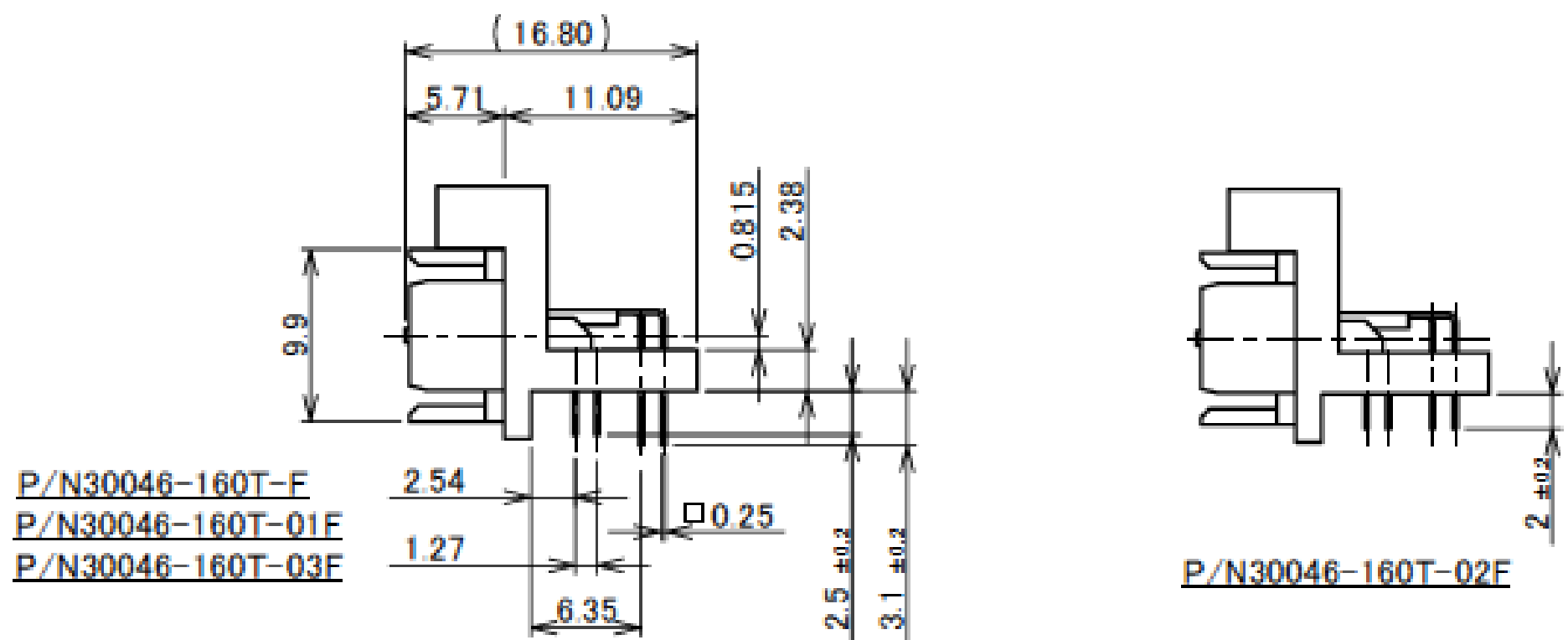
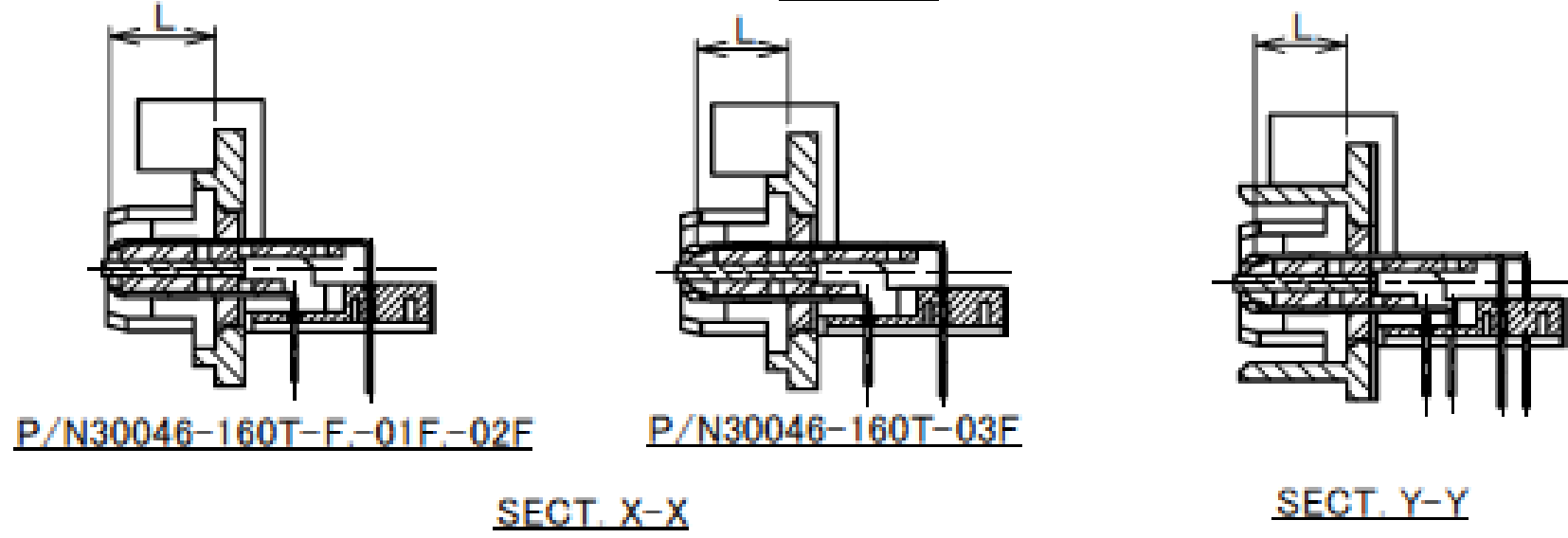
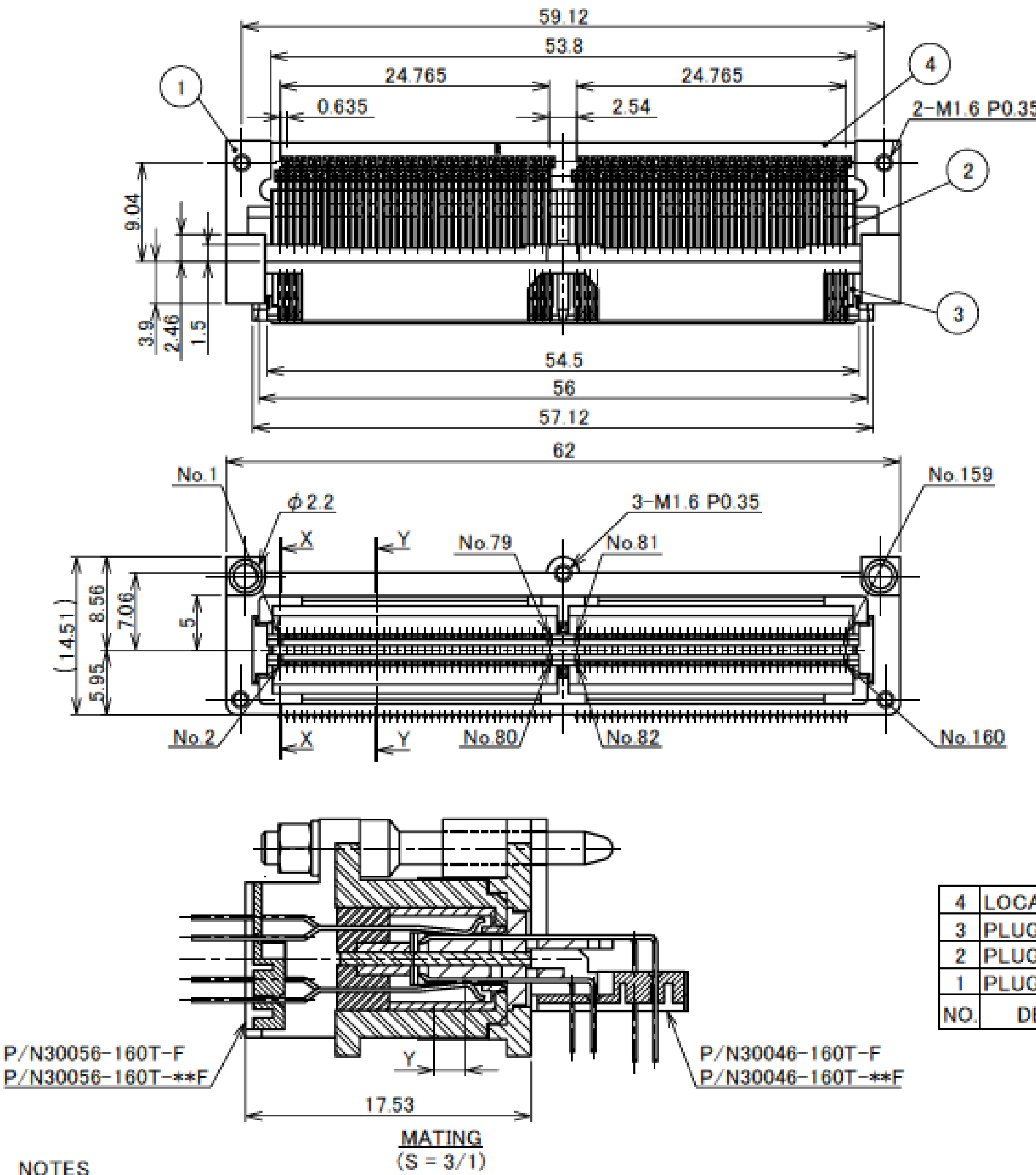
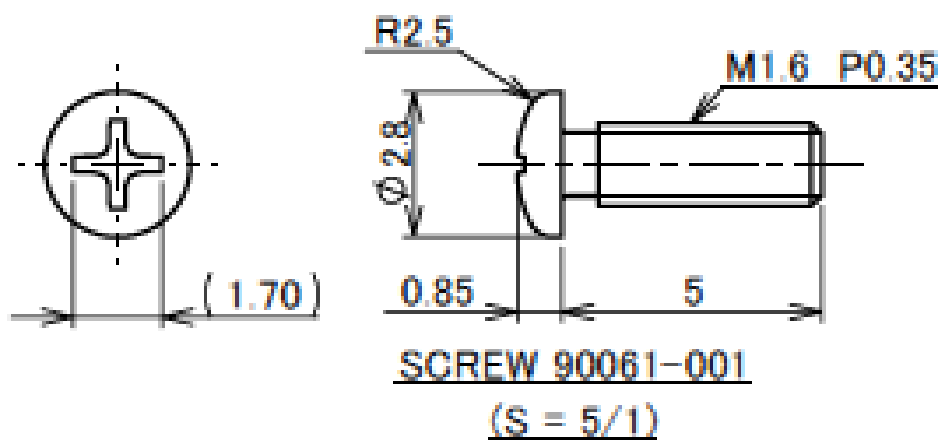
ITEMS	SPECIFICATION
RATING VOLTAGE	250V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	208~358K(-65°C~+85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : $\triangle$ 25mohm MAX.
INSULATION RESISTANCE	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	300-141
INSTRUCTION MANUAL	-
APPEARANCE CRITERIA No.	QLS-A***

Rev.18

Plug Assembly

Recommended P/N		30046-160T-F			
PART NO.	No. OF POS.	Y (MATING TRAVEL OF C/T)	CIRCUIT No. / L=CONTACT LENGTH		NOTES
30046-160T-F	160P	1.4, 2.1	L=5.36		WITH SCREW
30046-160T-01F			L=4.66		NO SCREW
30046-160T-02F			No.1, 2, 79, 80, 81, 82, 159, 160		OTHERS
30046-160T-03F			-		ALL

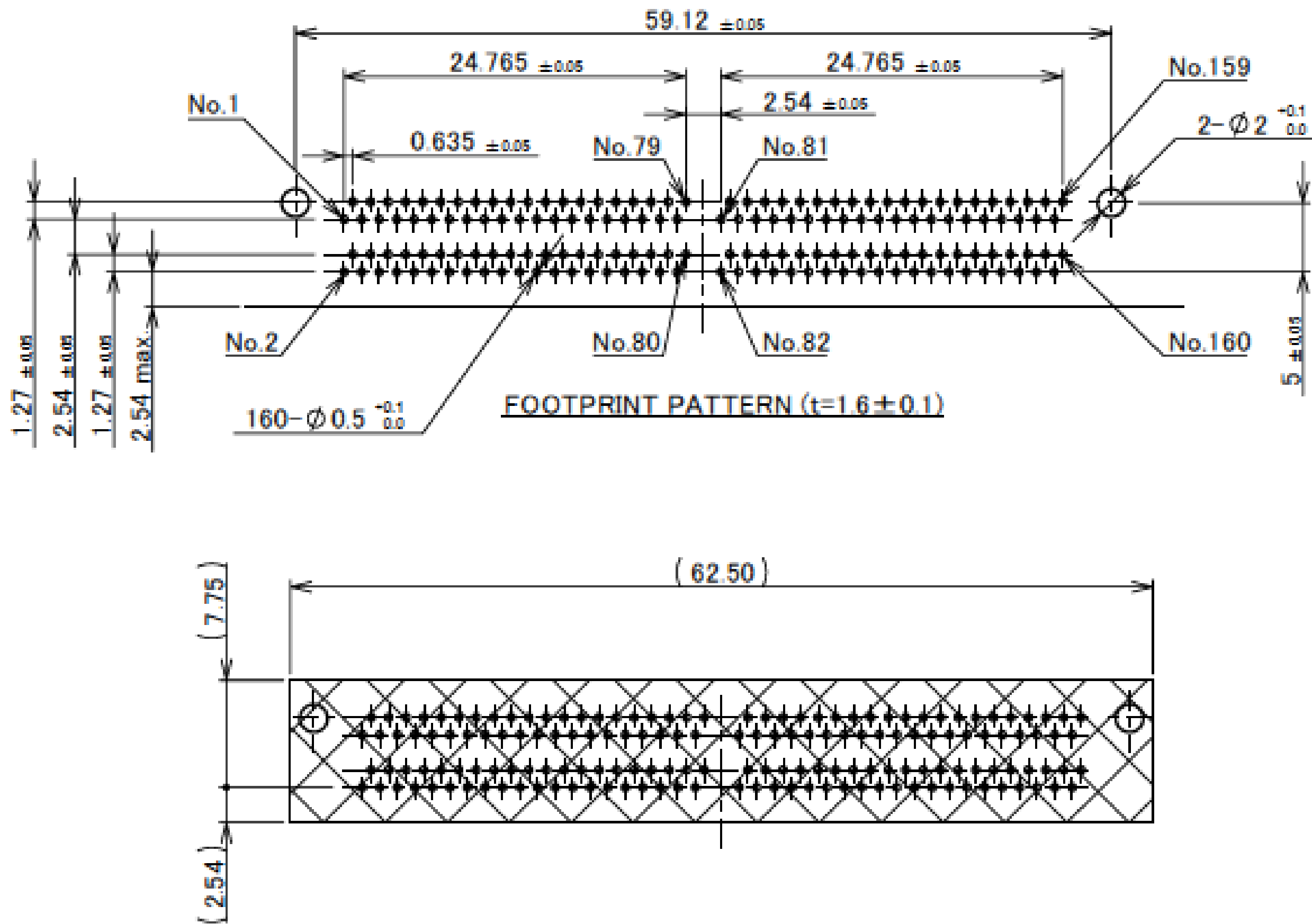
◆.MARK MEANS NOT AVAILABLE.



4	LOCATOR PLATE	PA	BLACK UL94V-0
3	PLUG INSULATOR	PPS	BLACK UL94V-0
2	PLUG CONTACT	COPPER ALLOY	Au PLATING
1	PLUG SHELL	Zn ALLOY	Ni PLATING
NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS

- NOTES
- CONNECTOR TO BE MATED : 30047, 30056
 - ALLOWANCE DIMENSION OF GUIDE PIN : 0.8 mm

Rev.19



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA

Rev.19

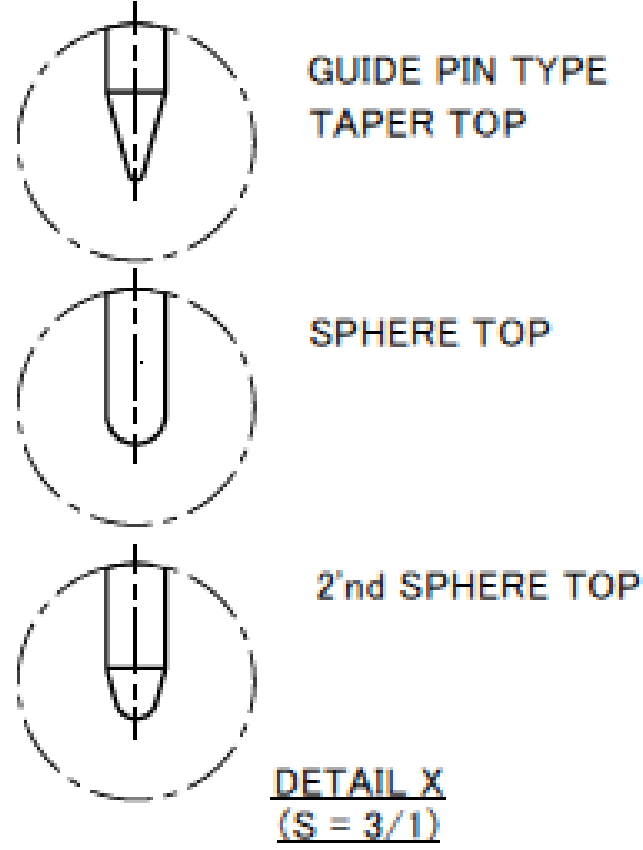
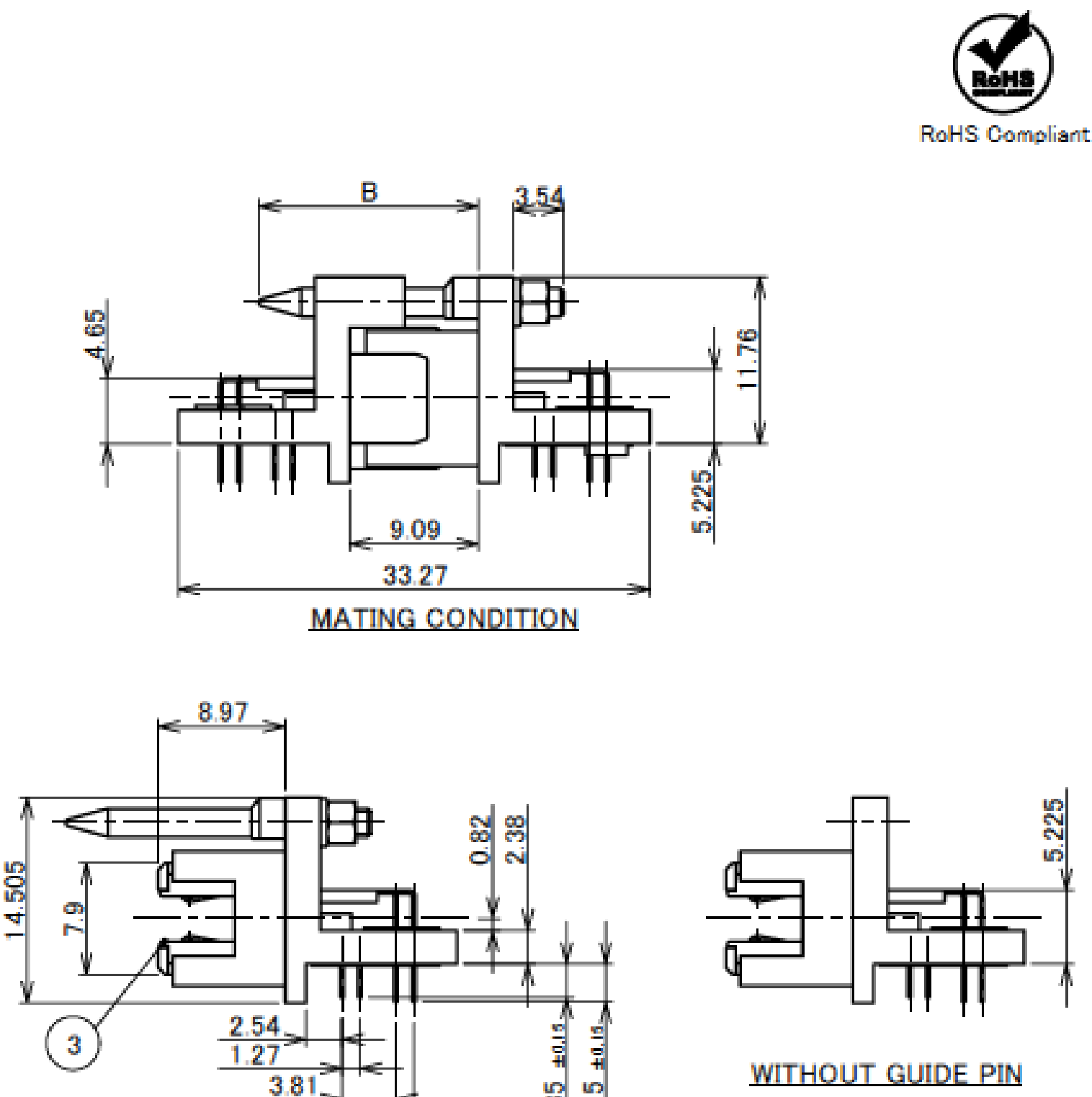
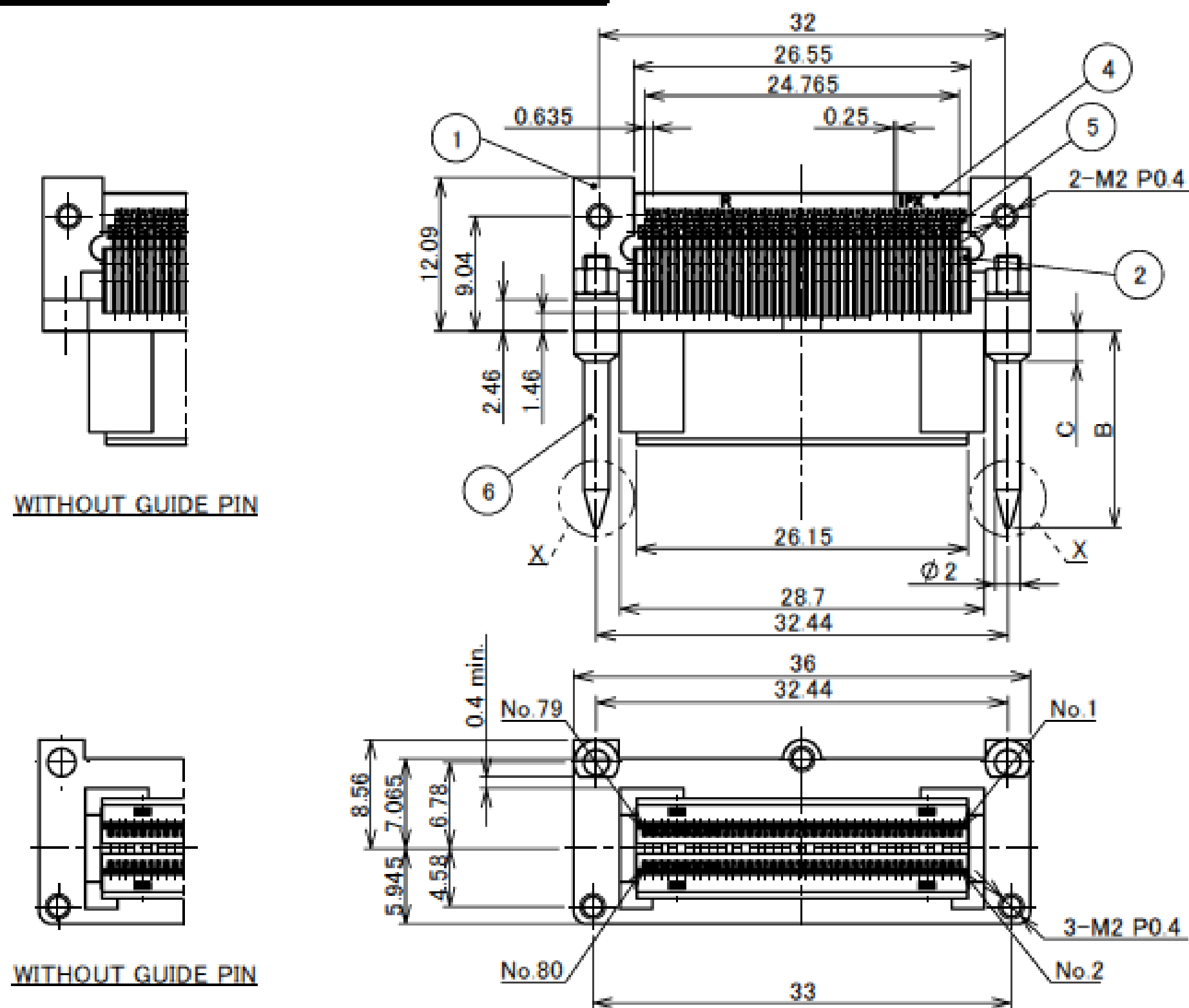
Plug Assembly

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 : 1,000MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC500V 1min
DURABILITY	5,000 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	0.9N/pos. MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	0.059N/pos. MIN.
COPLANARITY	-
PRODUCT SPECIFICATION	PRS-1011
TEST REPORT	TR-9020
PACKING STANDARD	300-106
INSTRUCTION MANUAL	-
APPEARANCE CRITERIA No.	QLS-A***

Rev.19

Receptacle Assembly

Recommended P/N 30030-080T-03F



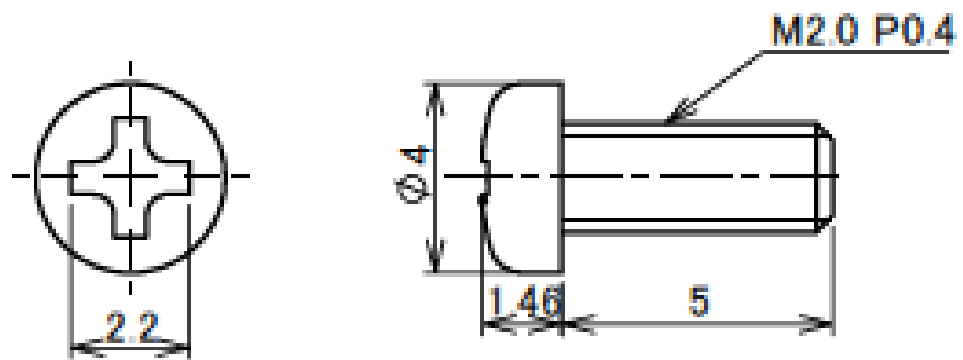
6	GUIDE PIN	STAINLESS STEEL (30030-080T-017*/018*) STEEL (EXCEPT 30030-080T-017*/018*)	NO PLATING Ni PLATING
5	CONTACT	COPPER ALLOY	CONTACT AREA: Au FLASH OVER Pd/Ni SOLDER TAIL: Au FLASH
4	LOCATOR PLATE	PA	BLACK, UL94V-0
3	CONTACT GUIDE	PPS	BLACK, UL94V-0
2	INSULATOR	PPS	BLACK, UL94V-0
1	SHELL	Zn ALLOY	Ni PLATING
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

NOTES
1. CONNECTOR TO BE MATED: 30029

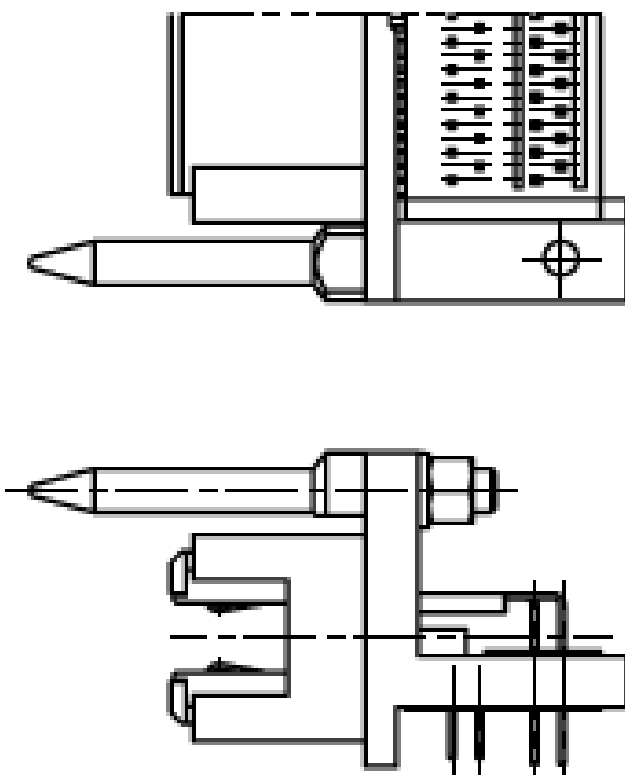
Rev.20

Receptacle Assembly

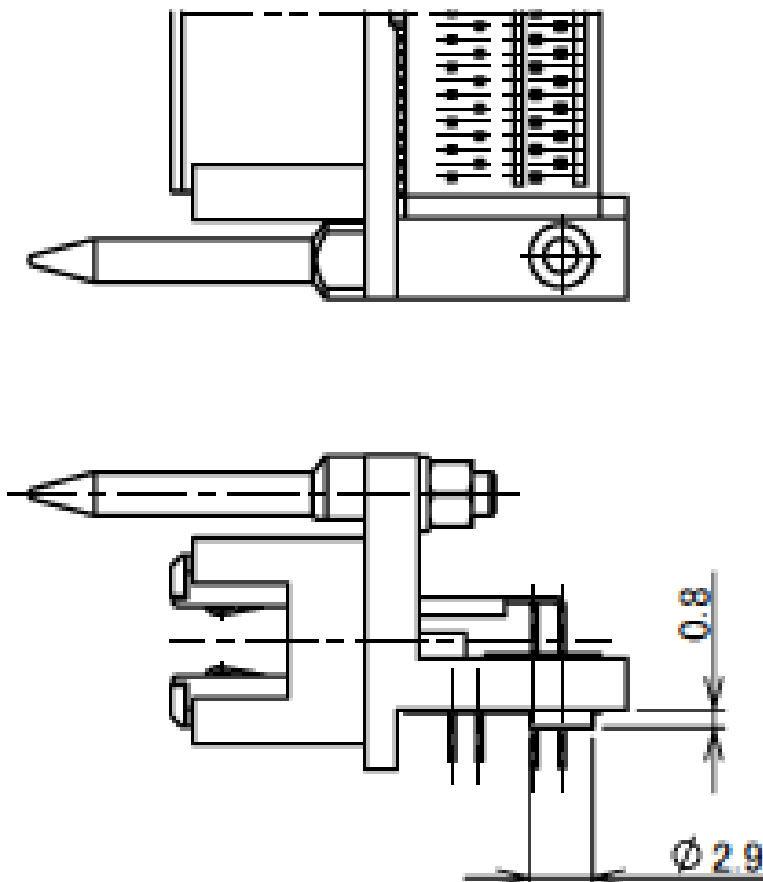
PART No.	GUIDE PIN TYPE	BOSS	A	B	C	NOTES
30030-080T-F	TAPER TOP	WITHOUT BOSS	2.3	15.5	2.4	WITH SCREW
30030-080T-01F	SPHERE TOP					WITHOUT SCREW
30030-080T-02F	TAPER TOP					WITH SCREW
30030-080T-03F	SPHERE TOP					WITHOUT SCREW
30030-080T-04F	WITHOUT GUIDE PIN (1413-00*)					WITH SCREW
30030-080T-05F	(WITHOUT NUT, WASHER)	WITHOUT SCREW				
30030-080T-06F	TAPER TOP	WITH BOSS	3.1	15.5		WITH SCREW
30030-080T-07F	SPHERE TOP					WITHOUT SCREW
30030-080T-08F	TAPER TOP					WITH SCREW
30030-080T-09F	SPHERE TOP					WITHOUT SCREW
30030-080T-10F	WITHOUT GUIDE PIN (1413-00*)				WITH SCREW	
30030-080T-11F	(WITHOUT NUT, WASHER)	WITHOUT BOSS	2.3	15.5	WITHOUT SCREW	
30030-080T-12F	2'nd SPHERE TOP				WITH SCREW	
30030-080T-13F		WITHOUT SCREW				
30030-080T-14F		WITH SCREW				
30030-080T-15F		WITHOUT SCREW				
30030-080T-16F	SPHERE TOP	WITHOUT BOSS	2.3	13.0	WITHOUT SCREW	
30030-080T-17F	TAPER TOP (MTL : STAINLESS STEEL)			15.5		
30030-080T-18F	SPHERE TOP (MTL : STAINLESS STEEL)					
30030-080T-19F	SPHERE TOP	WITH BOSS	3.1	14.0		4.0



SCREW 90042-001
(S = 5/1)

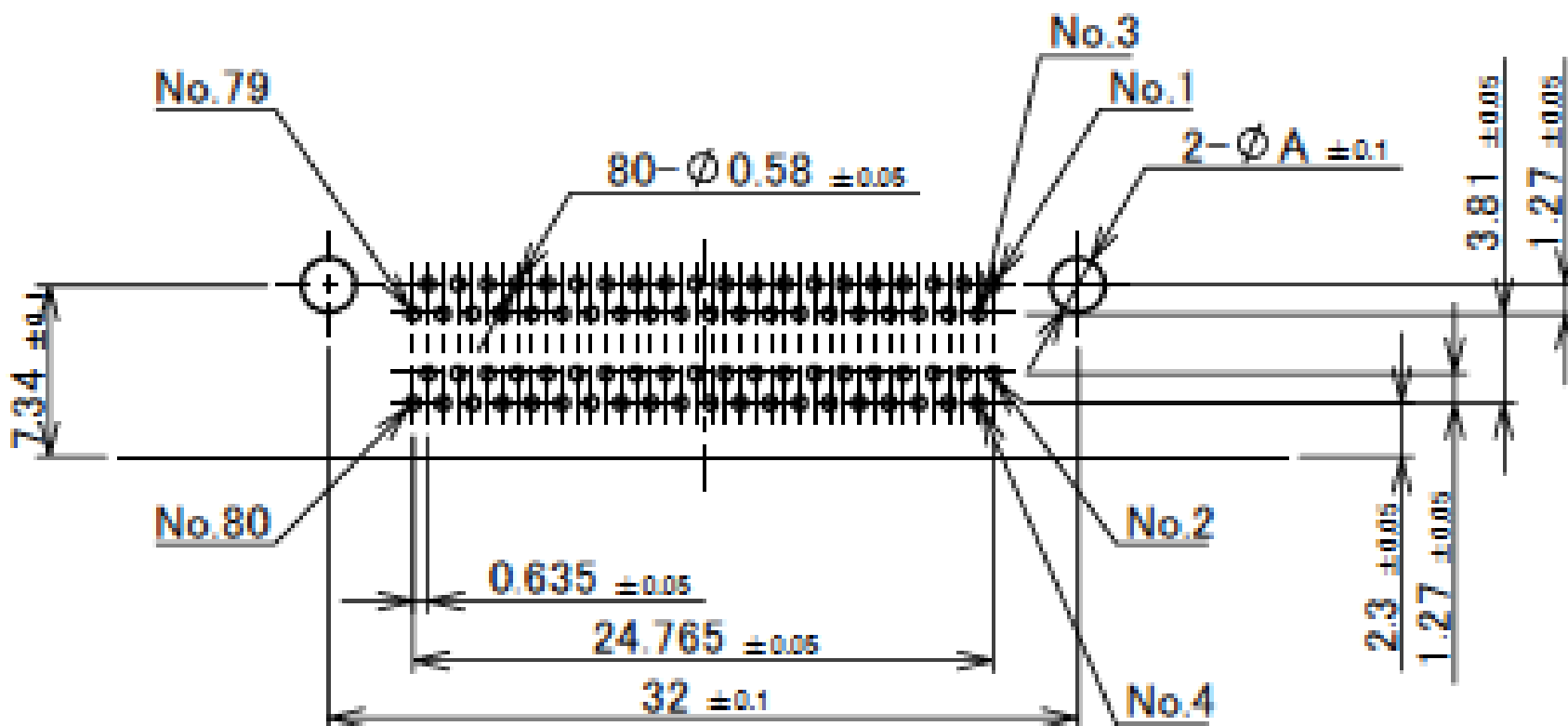


WITHOUT BOSS

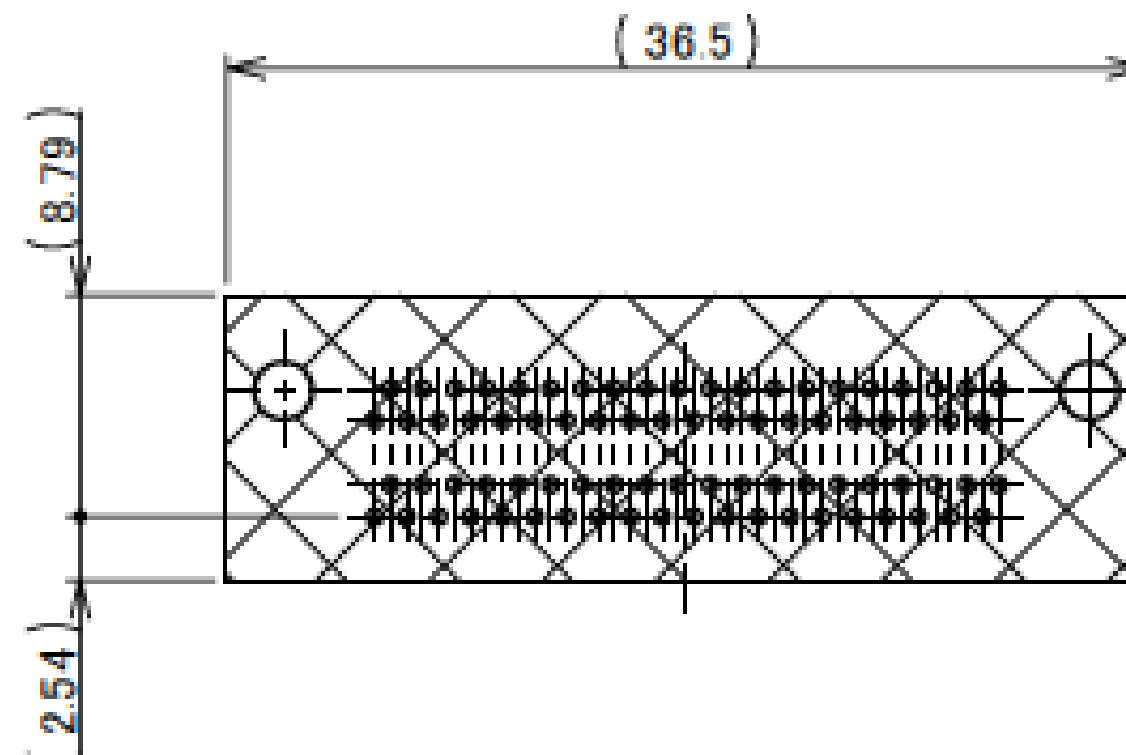


WITH BOSS

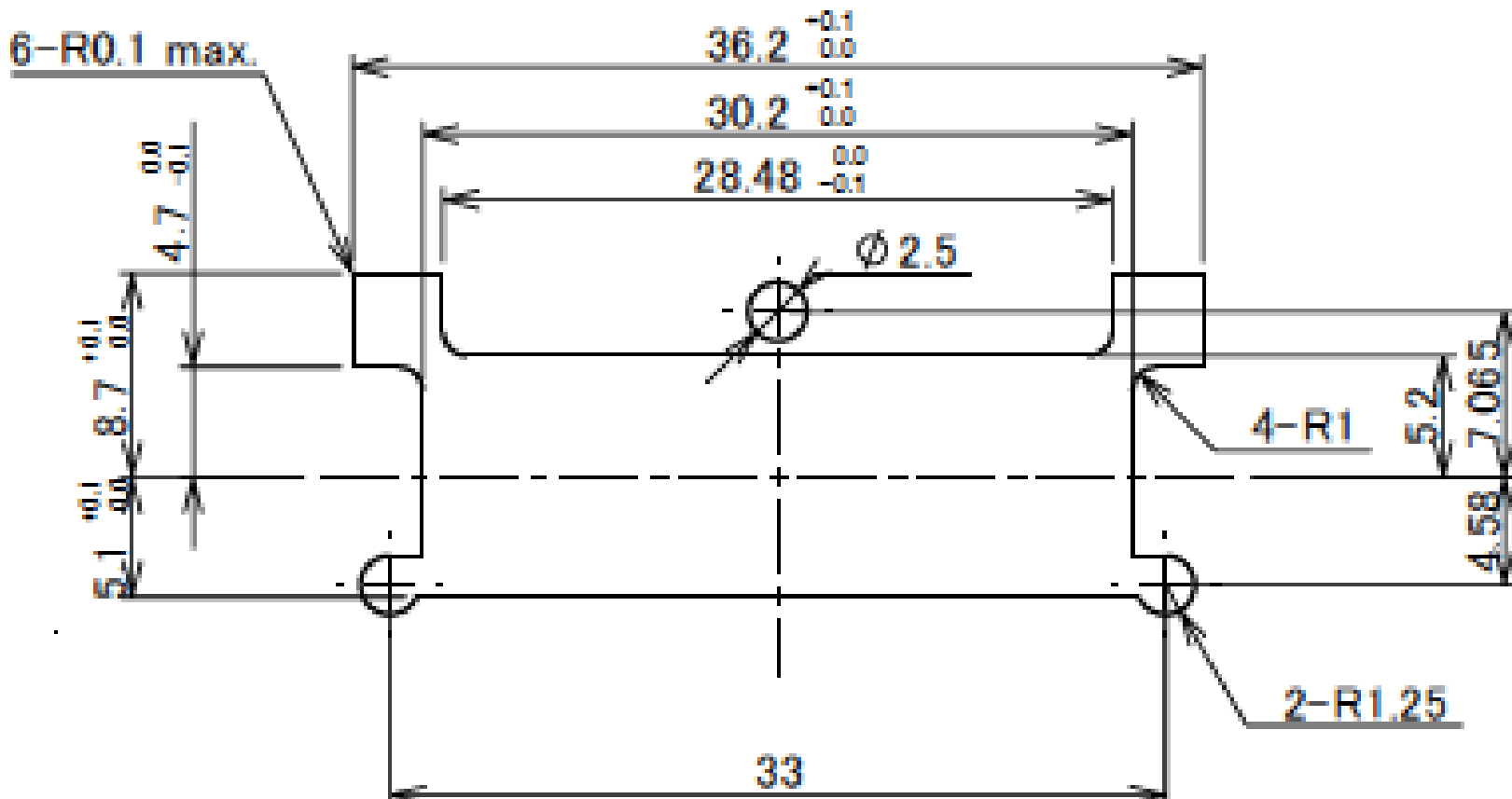
Rev.20



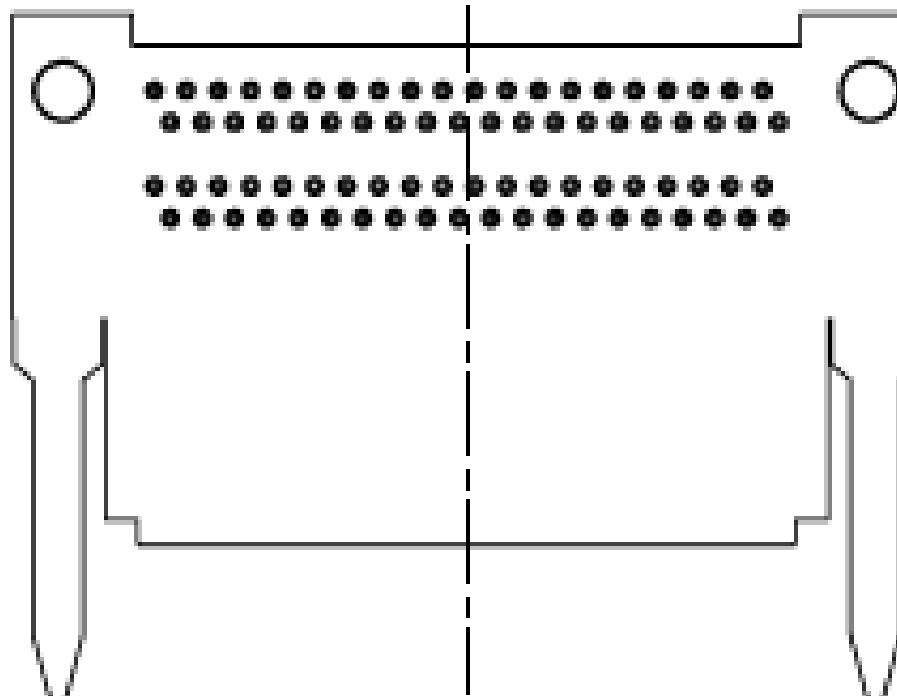
RECOMMENDED FOOTPRINT PATTERN t=1.6



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA



RECOMMENDED PANEL DIMENSIONS



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN

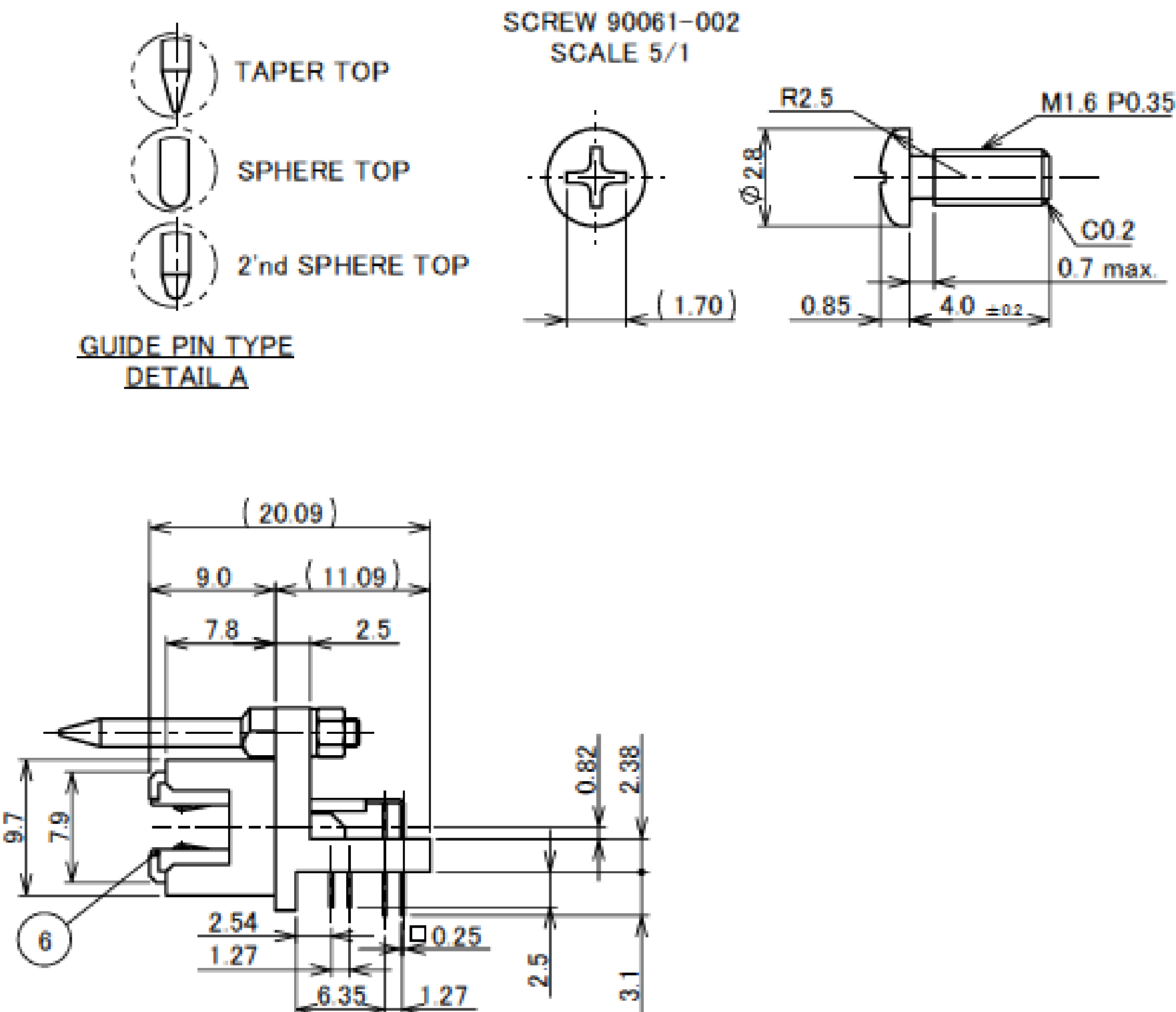
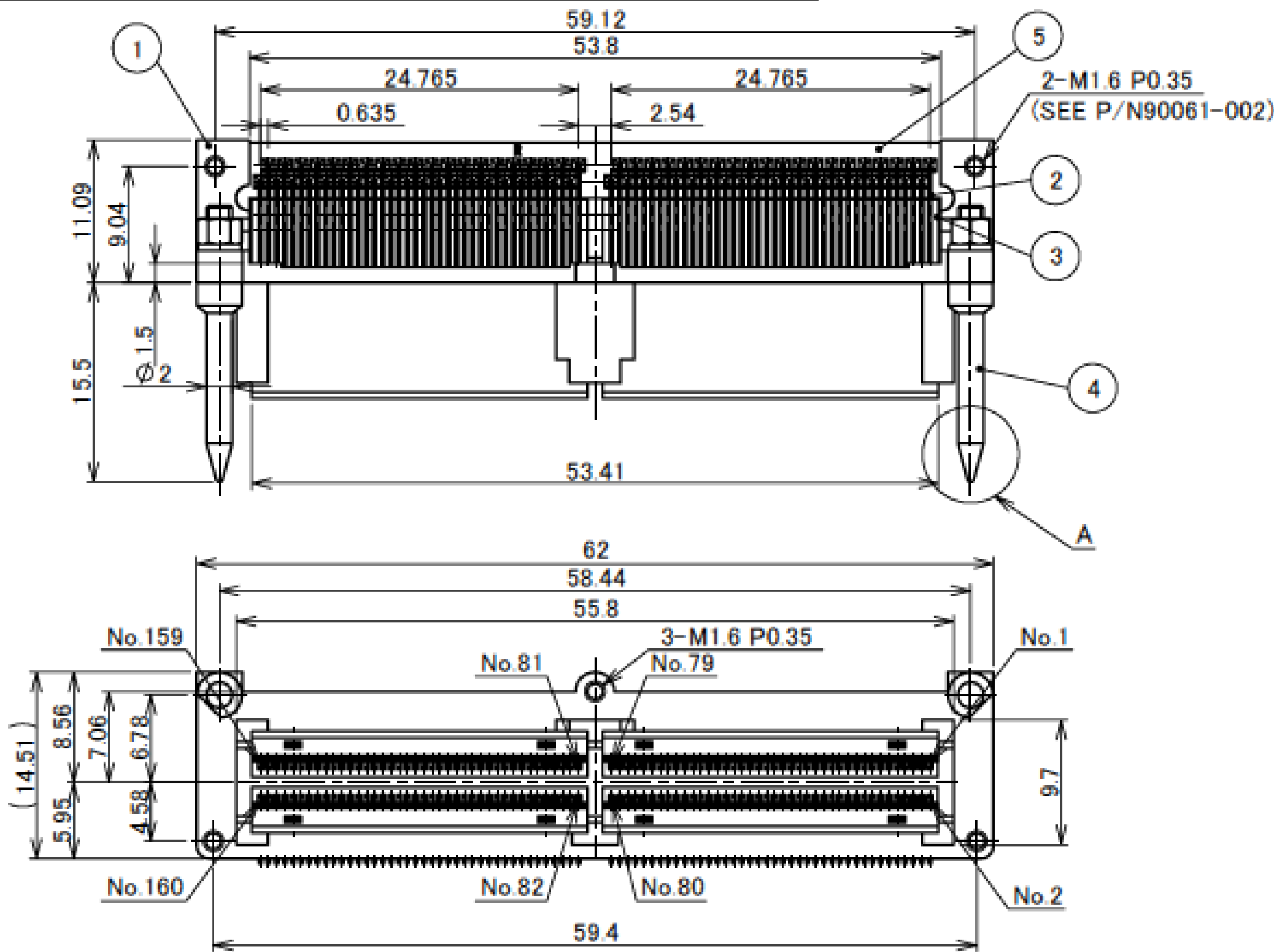
Receptacle Assembly

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	300-071
INSTRUCTION MANUAL	-
APPEARANCE CRITERIA No.	QLS-A***

Rev.20

Recommended P/N 30047-160T-01F

PART NO.	Pos.	NOTES	GUIDE PIN P/N
30047-160T-F	160P	WITH SCREW	TAPER TOP
30047-160T-01F		WITHOUT SCREW	
30047-160T-02F		WITH SCREW	SPHERE TOP
30047-160T-03F		WITHOUT SCREW	
30047-160T-04F		WITH SCREW	2'nd SPHERE TOP
30047-160T-05F		WITHOUT SCREW	

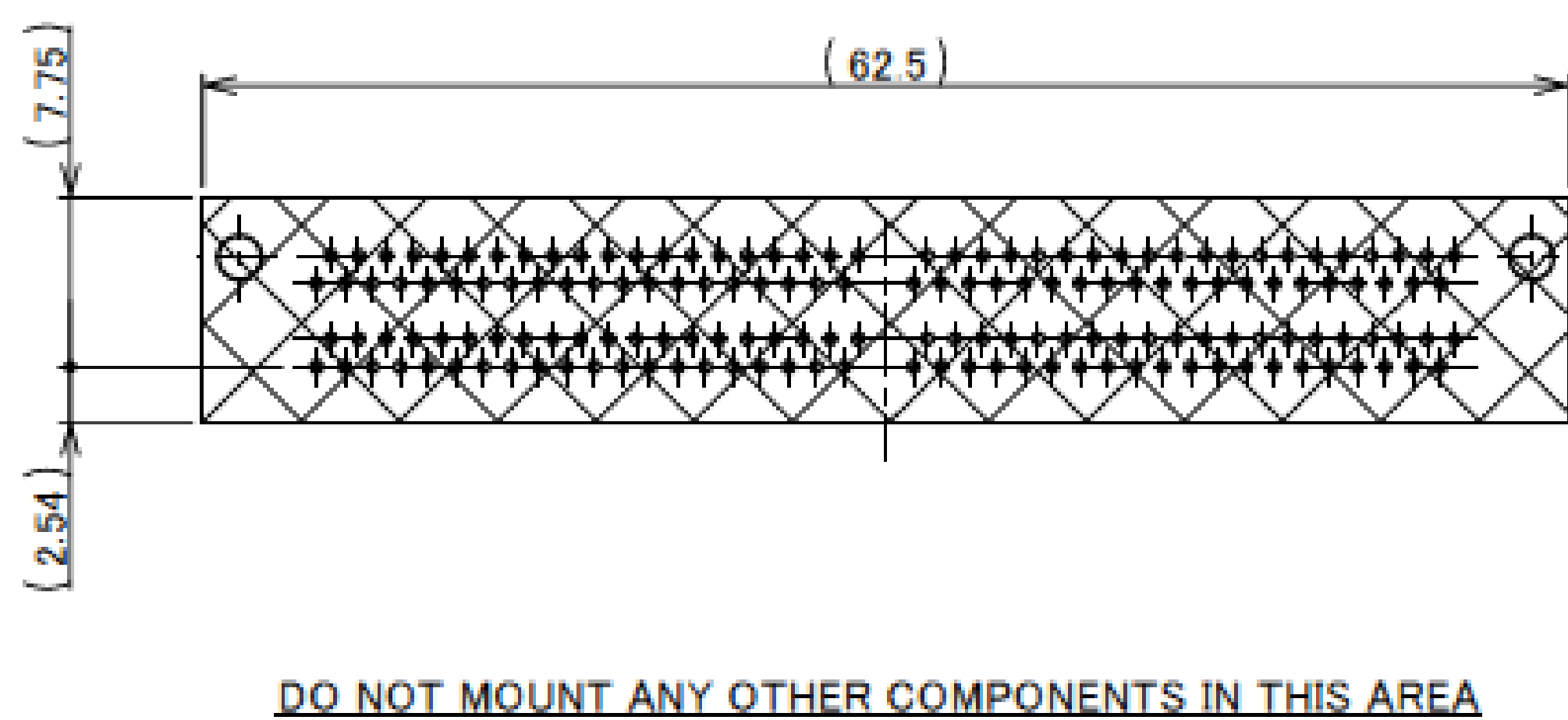
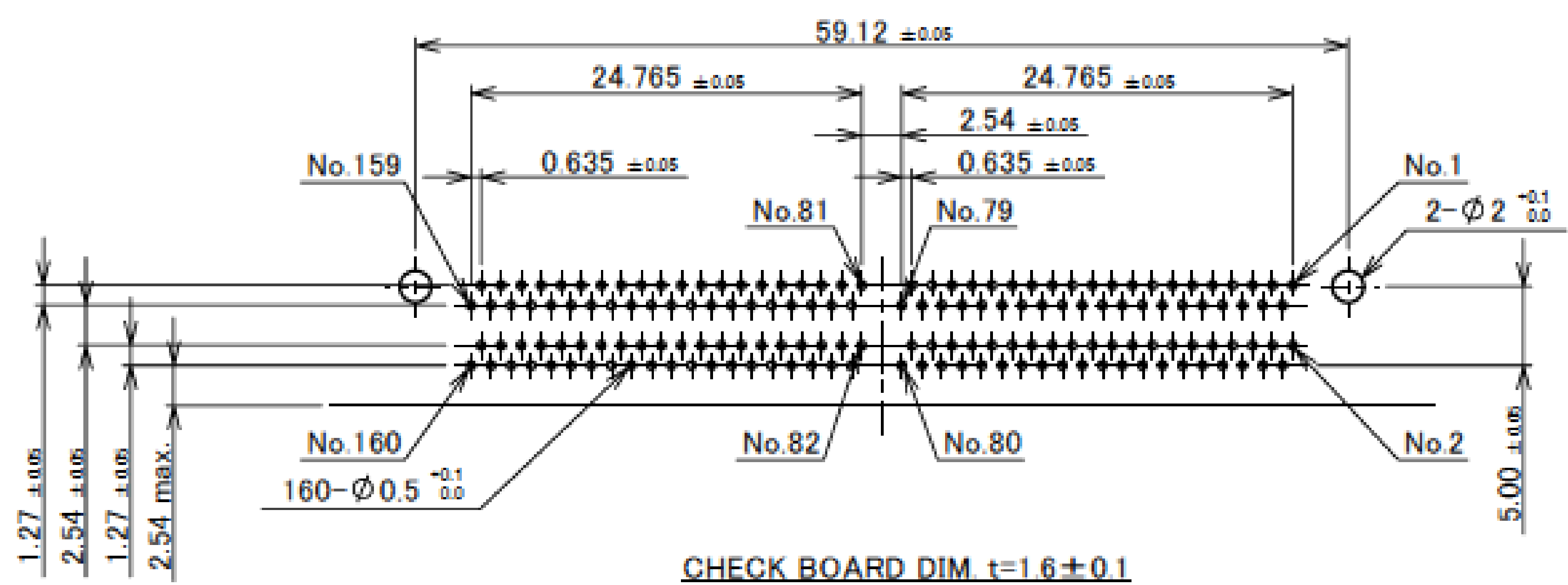


6	CONTACT GUIDE	PPS	BLACK UL94V-0
5	LOCATOR PLATE	PA	BLACK UL94V-0
4	GUIDE PIN	STEEL	Ni PLATING
3	RECE INSULATOR	PPS	BLACK UL94V-0
2	RECE CONTACT	COPPER ALLOY	Au PLATING
1	RECE SHELL	Zn ALLOY	Ni PLATING
NO	DESCRIPTION	MATERIAL	FINISH , REMARKS

NOTES
1. CONNECTOR TO BE MATED : 30046

Rev.14

Receptacle Assembly



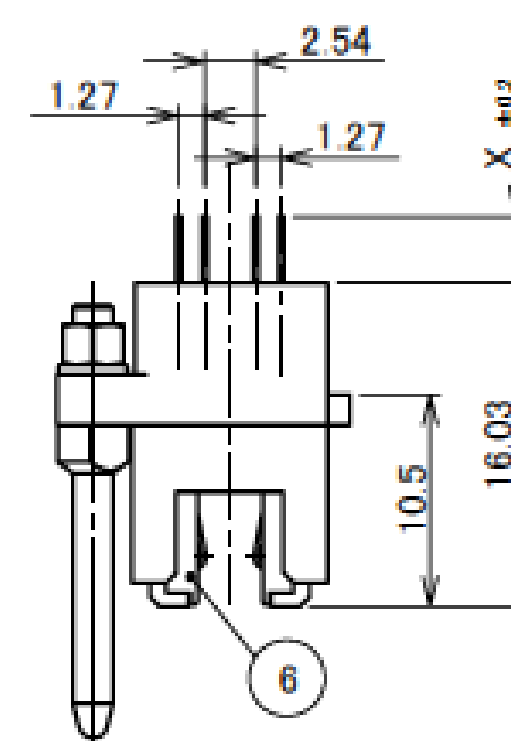
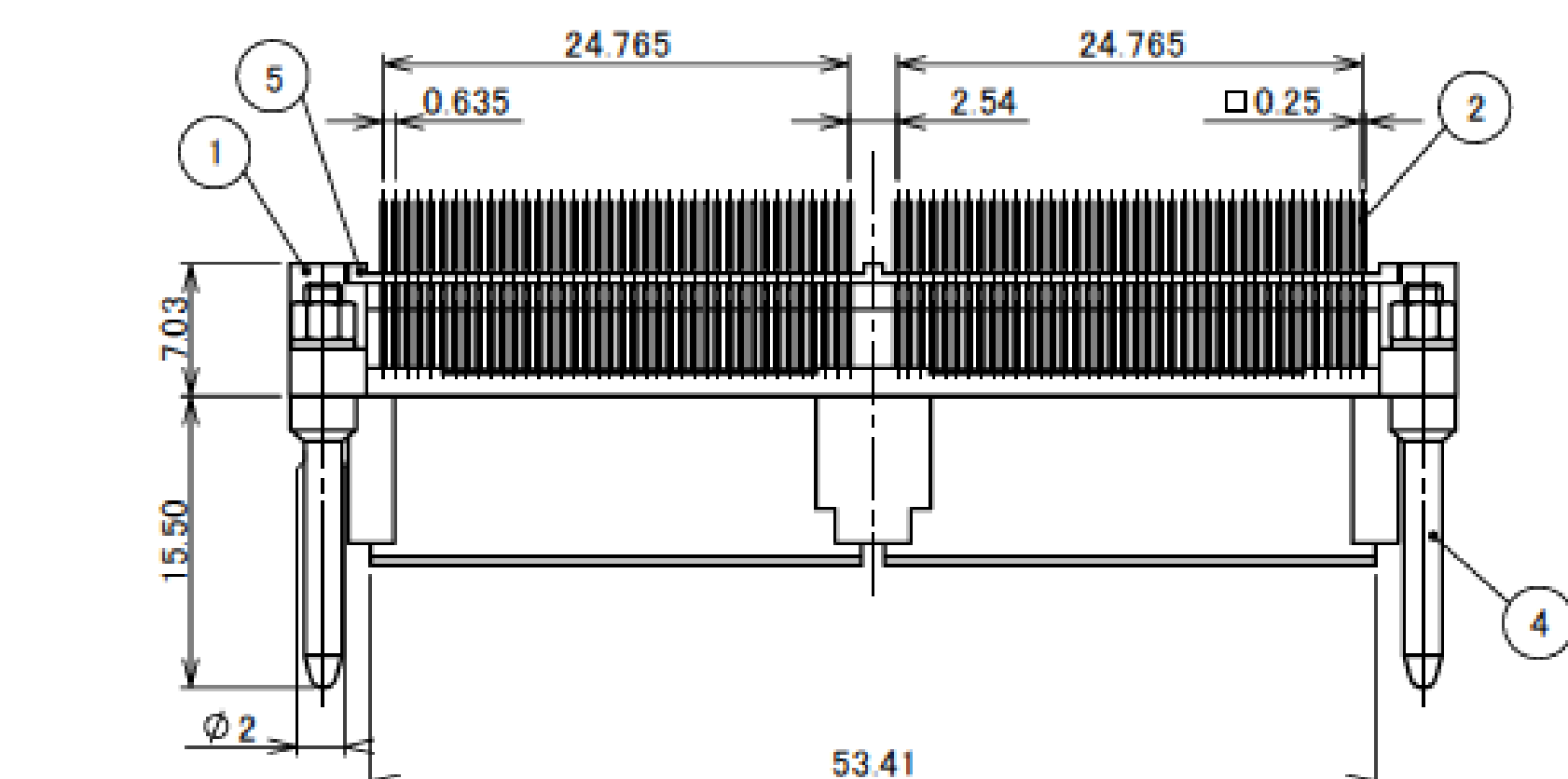
Rev.14

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	300-107
INSTRUCTION MANUAL	-
APPEARANCE CRITERIA No.	QLS-A***

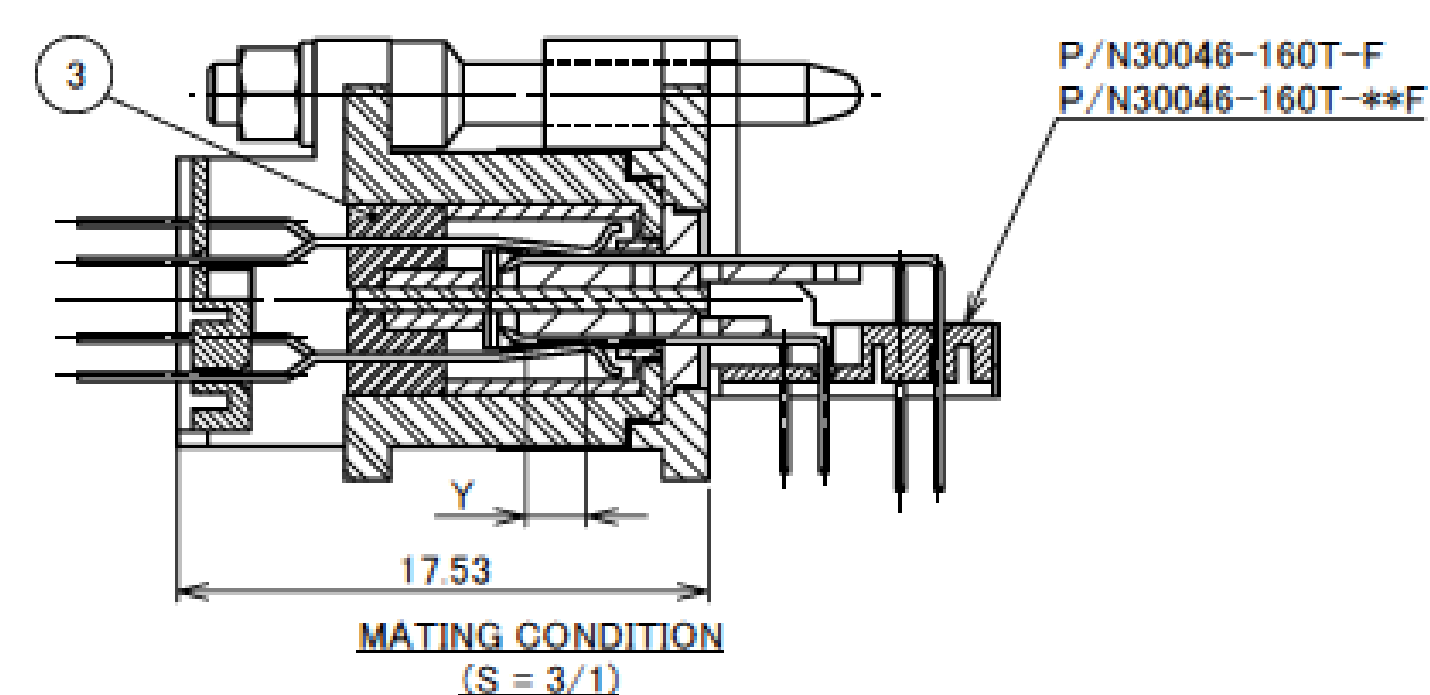
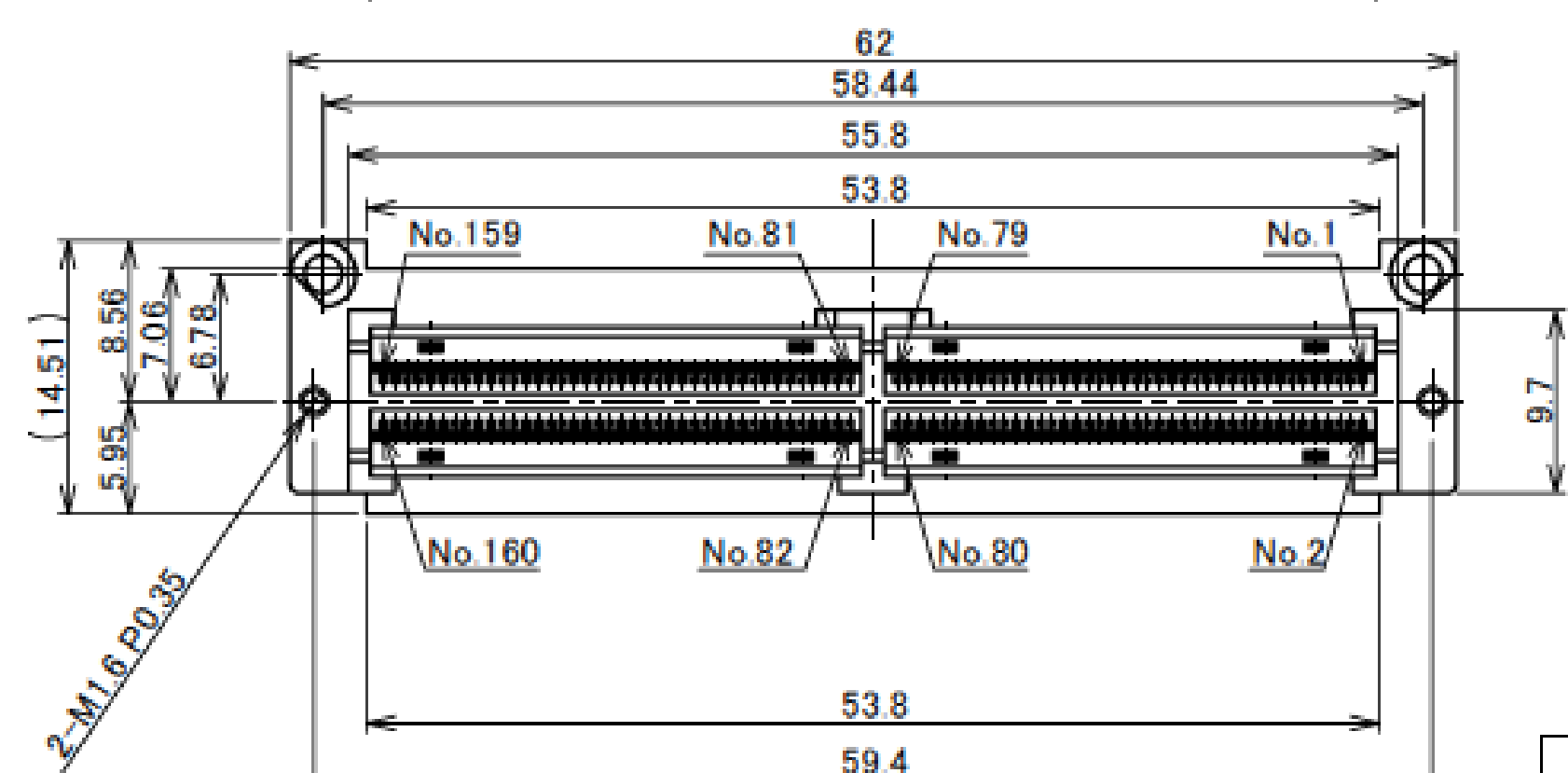
Rev.14

Receptacle Assembly

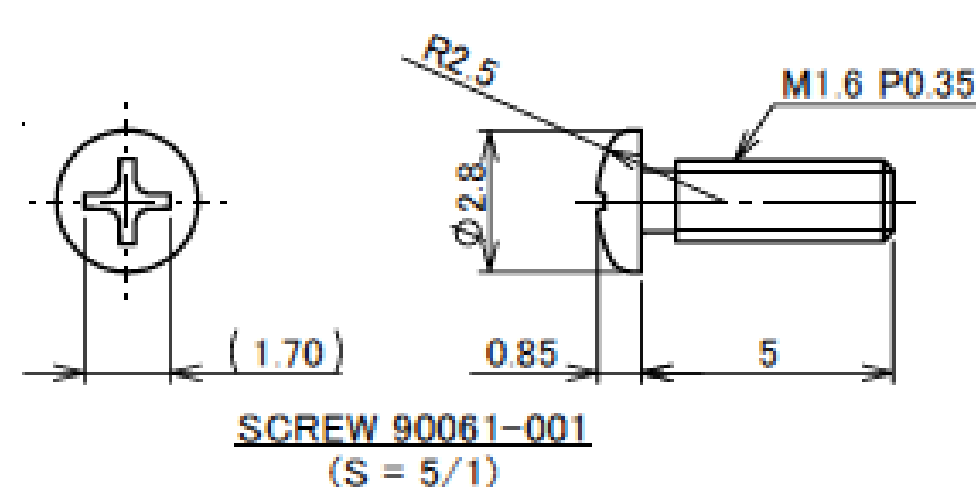
Recommended P/N		30056-160T-F
PART NO.	LEAD DIMENSION X	NOTES
30056-160T-F	3.3	WITH SCREW
30056-160T-01F		WITHOUT SCREW



BE MATED	Y (MATING TRAVEL OF C/T)
P/N 30046-160T	1.4, 2.1

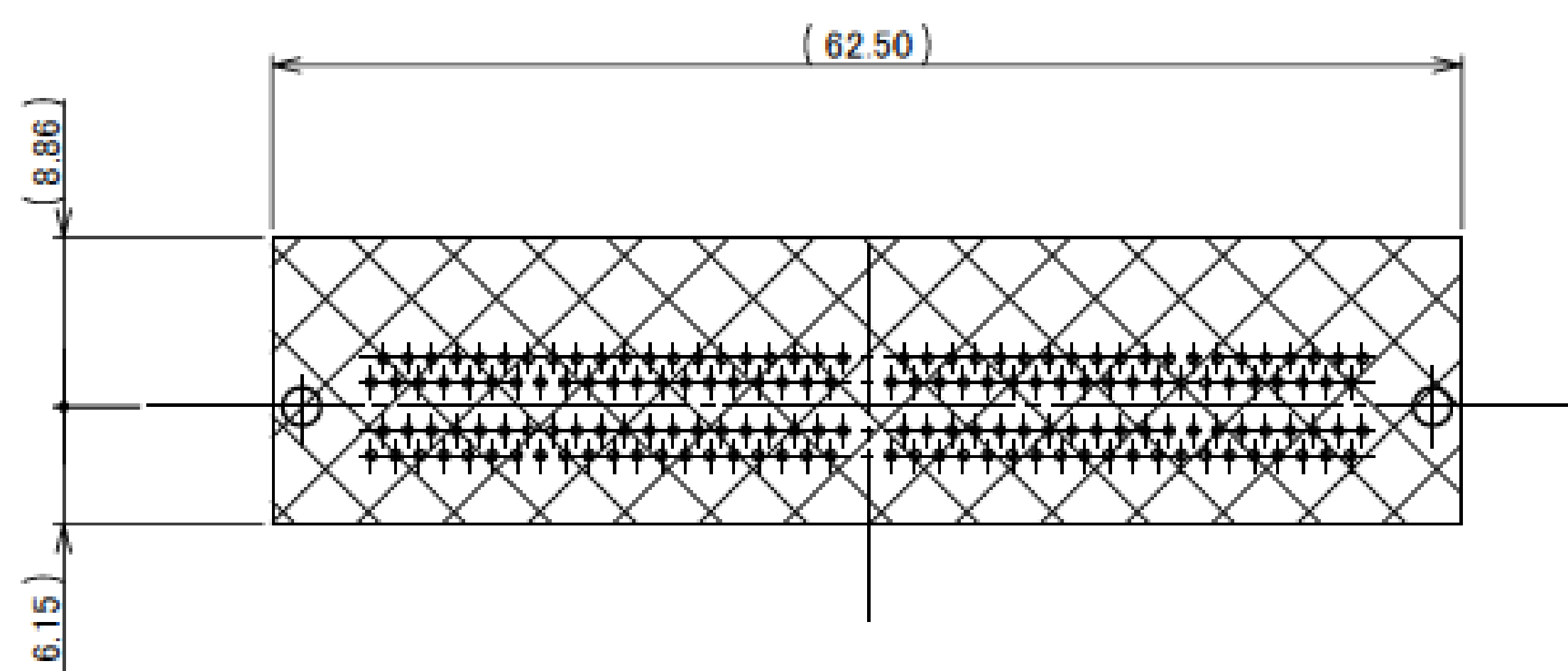
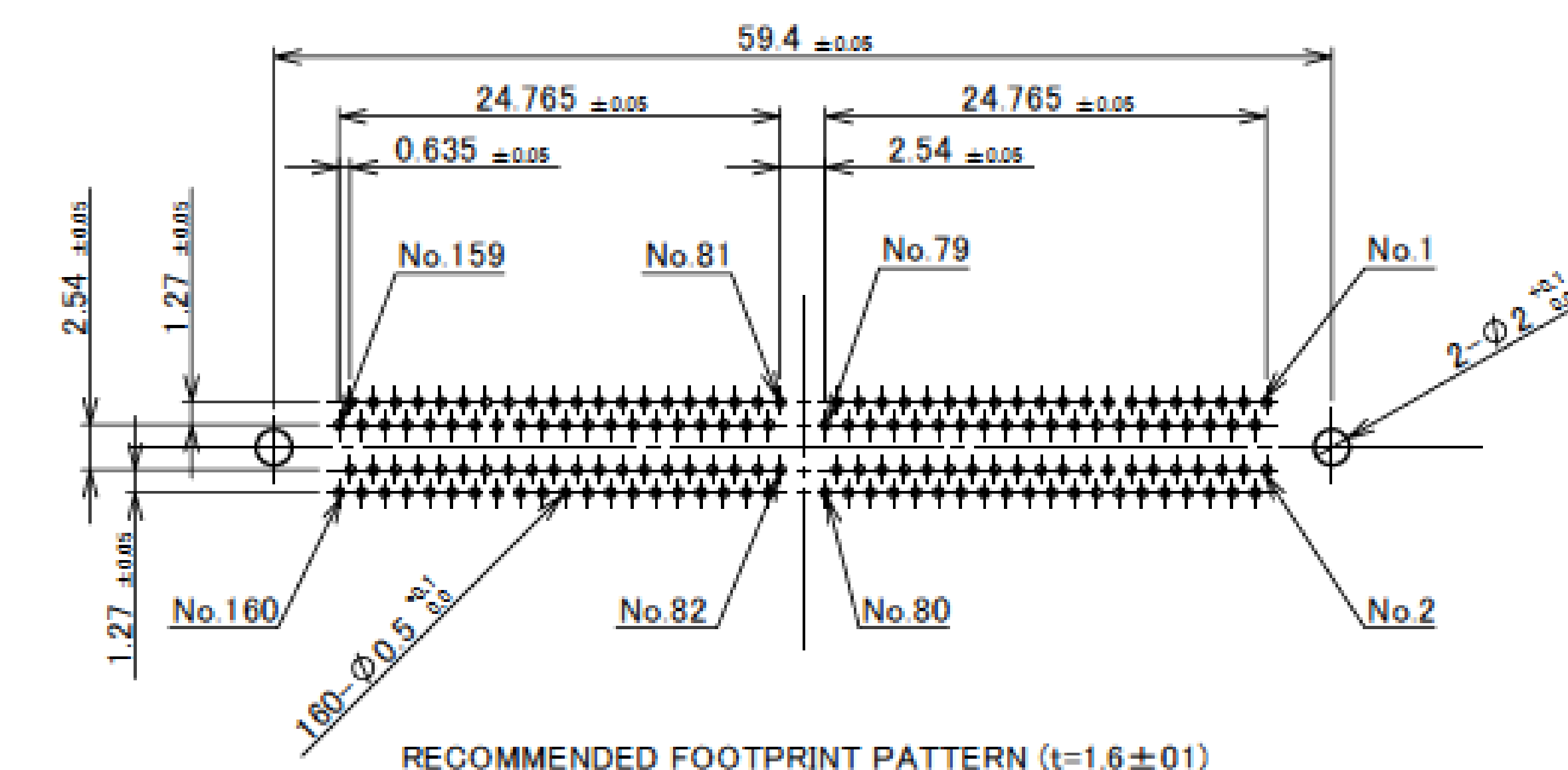


6	CONTACT GUIDE	PPS	BLACK UL94V-0
5	LOCATOR PLATE	PA	BLACK UL94V-0
4	GUIDE PIN	STEEL	Ni PLATING
3	RECE INSULATOR	PPS	BLACK UL94V-0
2	RECE CONTACT	COPPER ALLOY	CONTACT PART Au FLASH SOLDER TAIL Au FLASH
1	RECE SHELL	Zn ALLOY	Ni PLATING
NO	DISCRIPTION	MATERIAL	FINISH . REMARKS



NOTES

- NOTES
1. CONNECTOR TO BE MATED: 30046
2. ALLOWANCE DIMENSION OF GUIDE PIN : 0.8 mm



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°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	300-151
INSTRUCTION MANUAL	–
APPEARANCE CRITERIA No.	QLS-A***

Rev.15

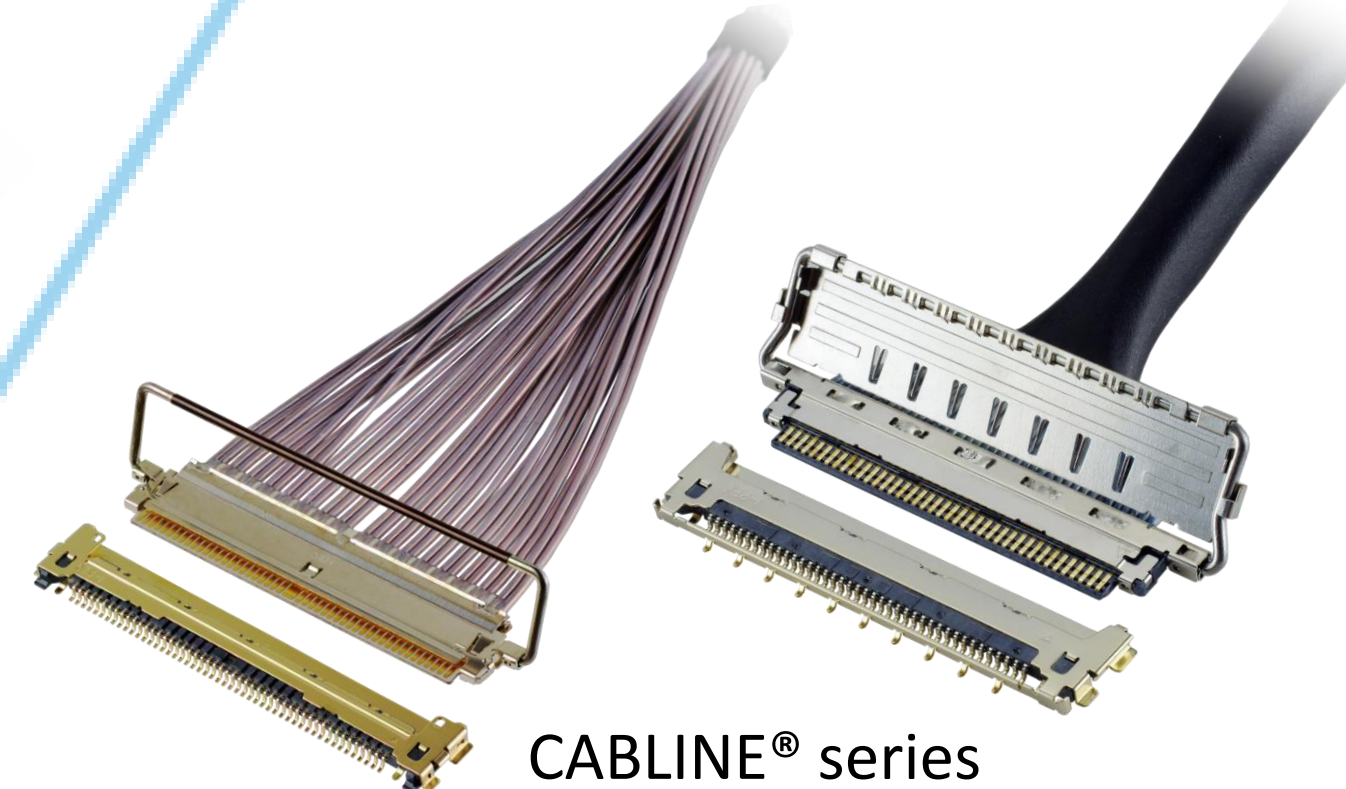
Custom Connectors Available

 RF
Connectors

MHF® series



Micro-coaxial/Twinax
Connectors

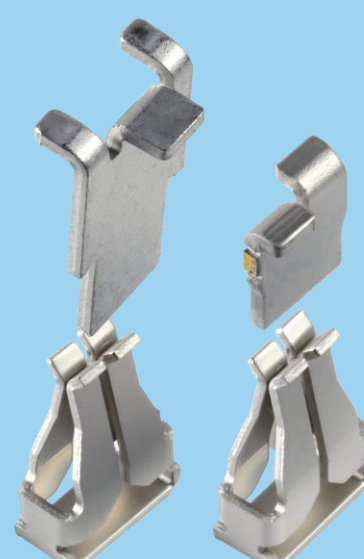


CABLINA® series

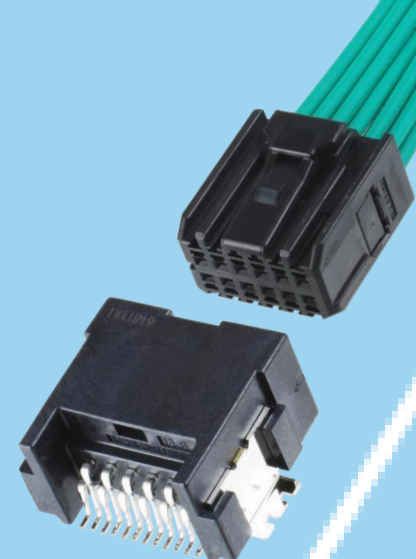


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



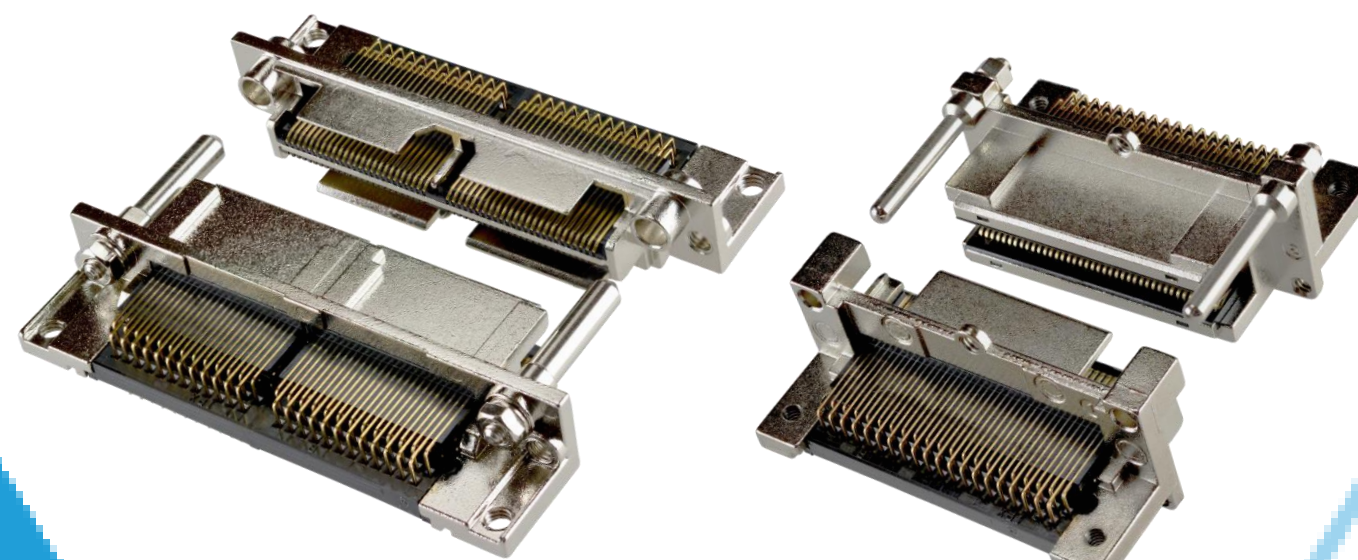
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



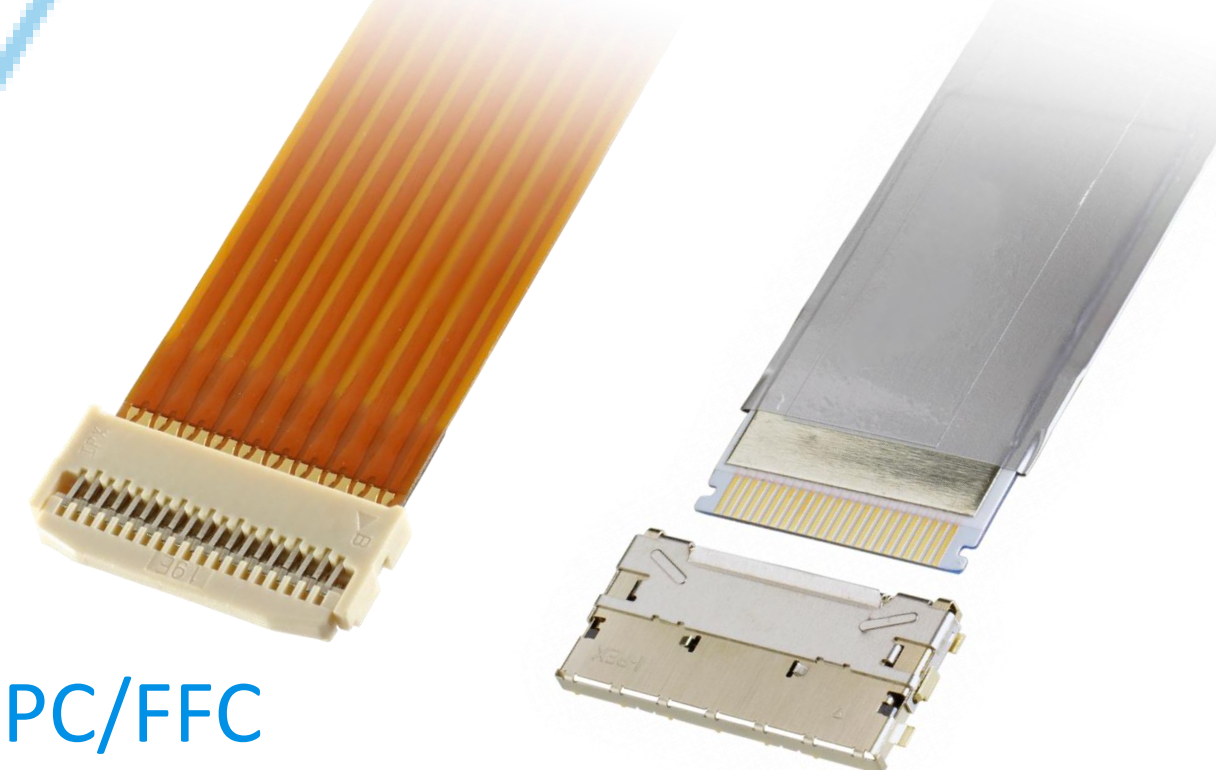
MINIDOCK™ series



FPC/FFC
Connectors

MINIFLEX® series

EVAFLEX® series



Inquiry



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