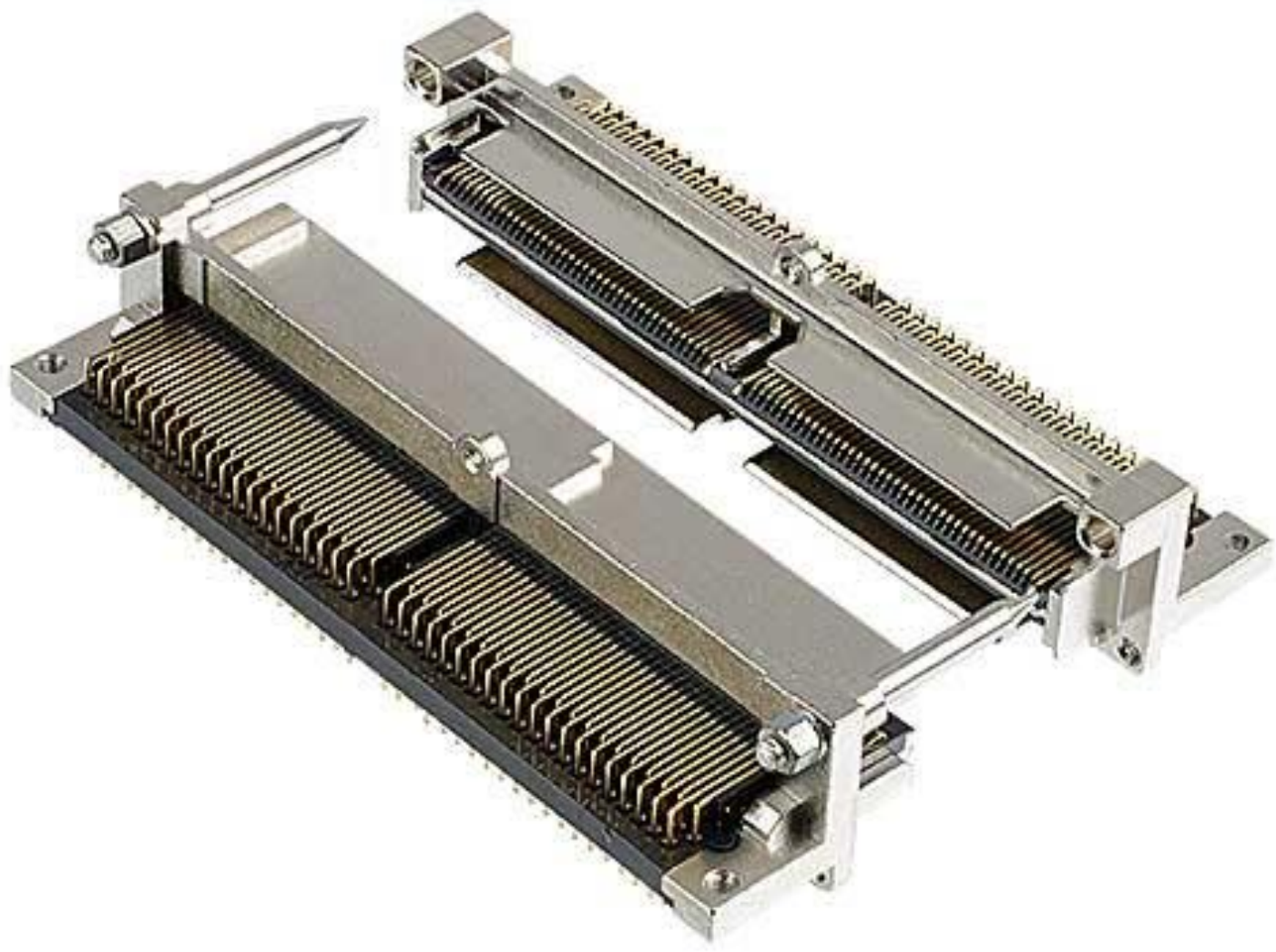


MINIDOCK™ SLIM

稳固的高pin数 Docking I/O连接器



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)

*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)

紧凑型公座:

料号	Pin数	嵌合类型	端子类型	外观
30029	80	直角	2列	
30046	160		2列	

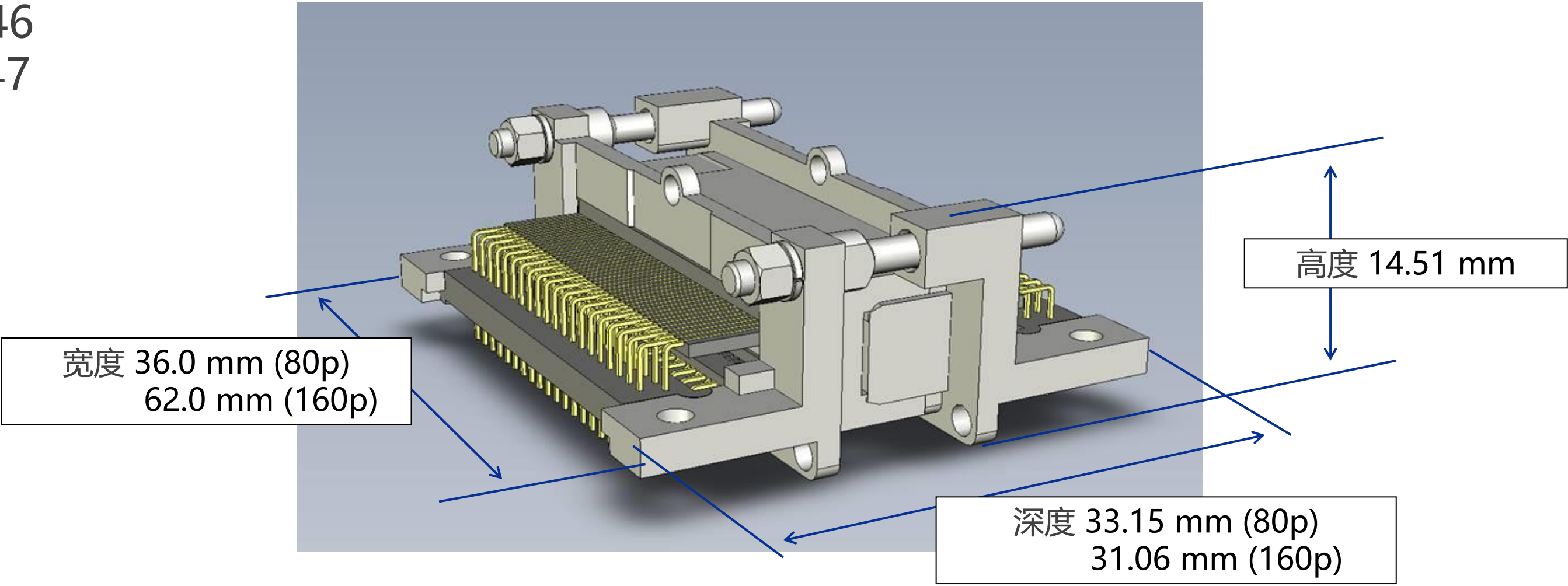
紧凑型母座:

料号	Pin数	嵌合类型	外观
30030	80	直角	
30047	160		
30056	160	垂直	

▶ 高达 5,000 次的插拔寿命

直角公座-直角母座一对

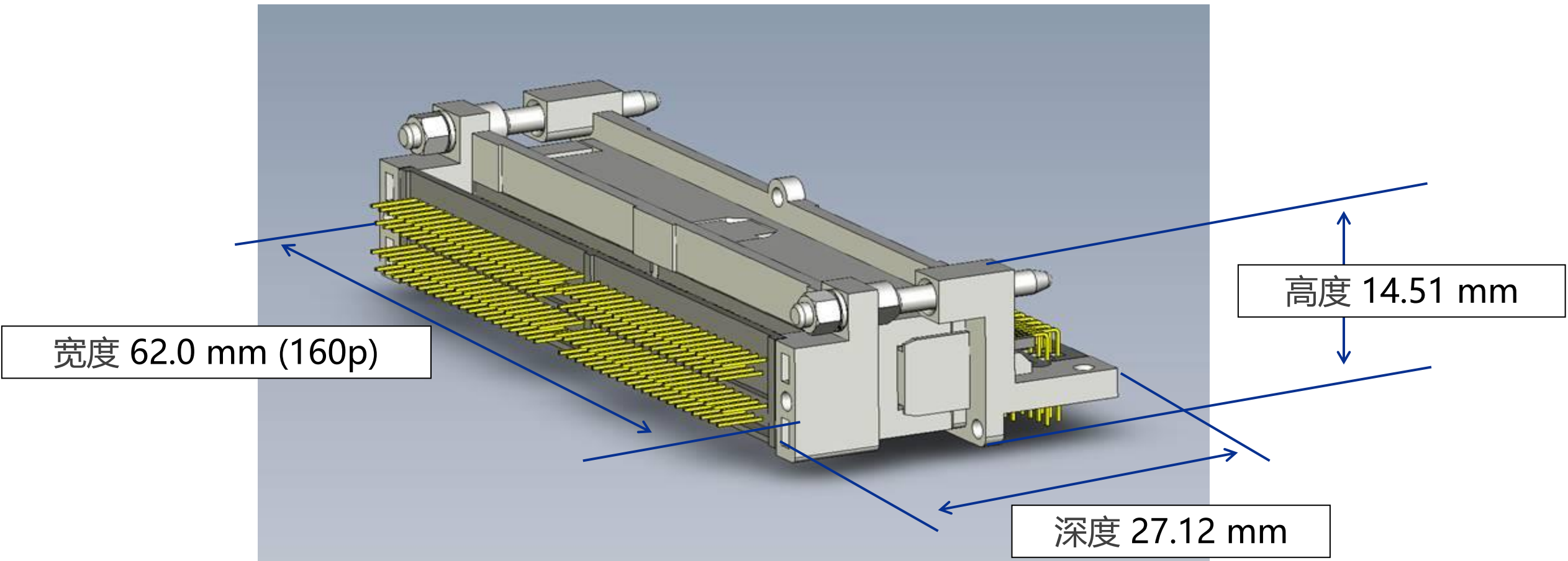
- 料号
- 公座 30029, 30046
 - 母座 30030, 30047



▶ 可选带螺丝的款式，具备理想的锁扣功能

直角公座-垂直母座一对

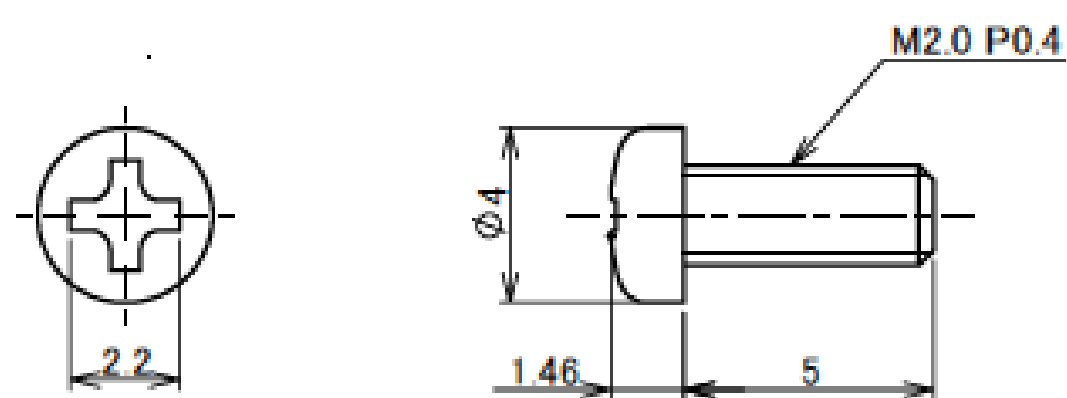
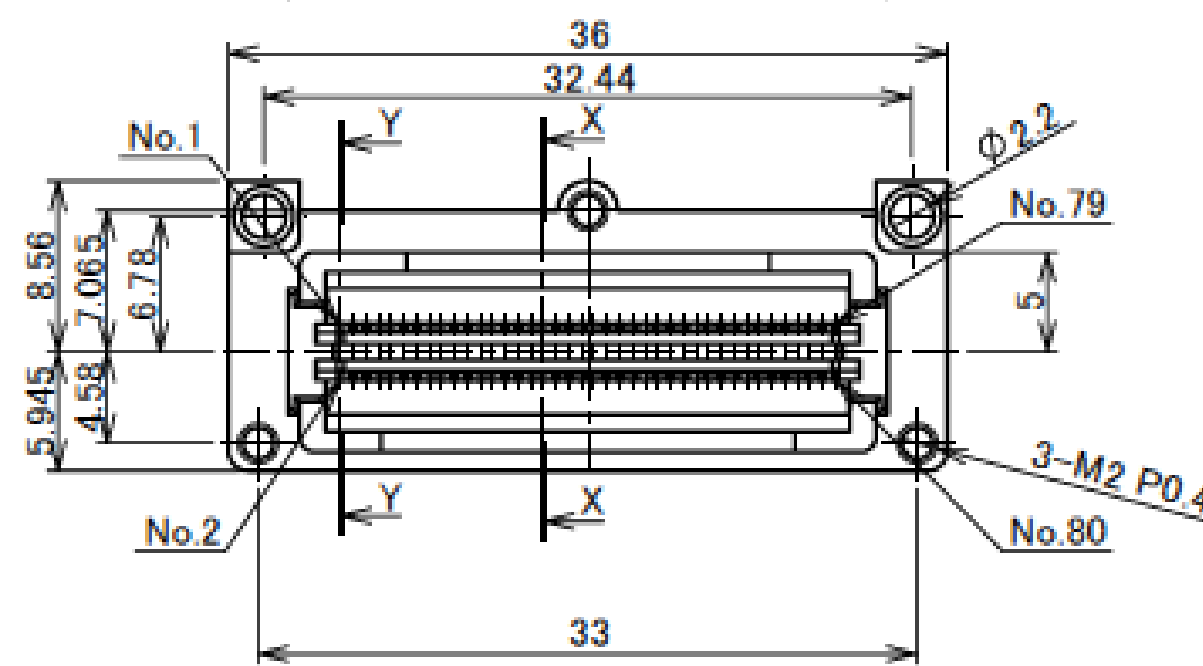
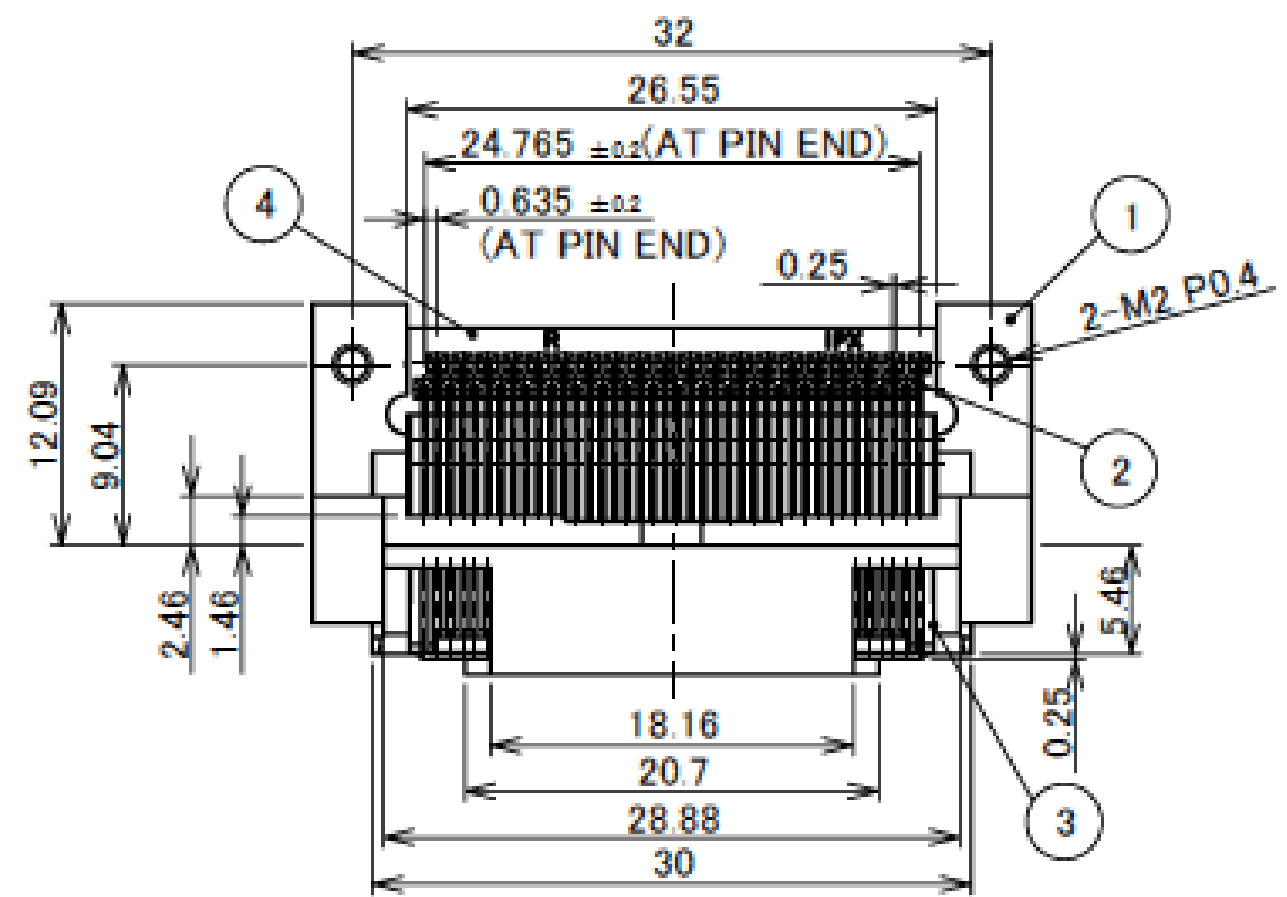
- 料号
- 公座 30046
 - 母座 30056



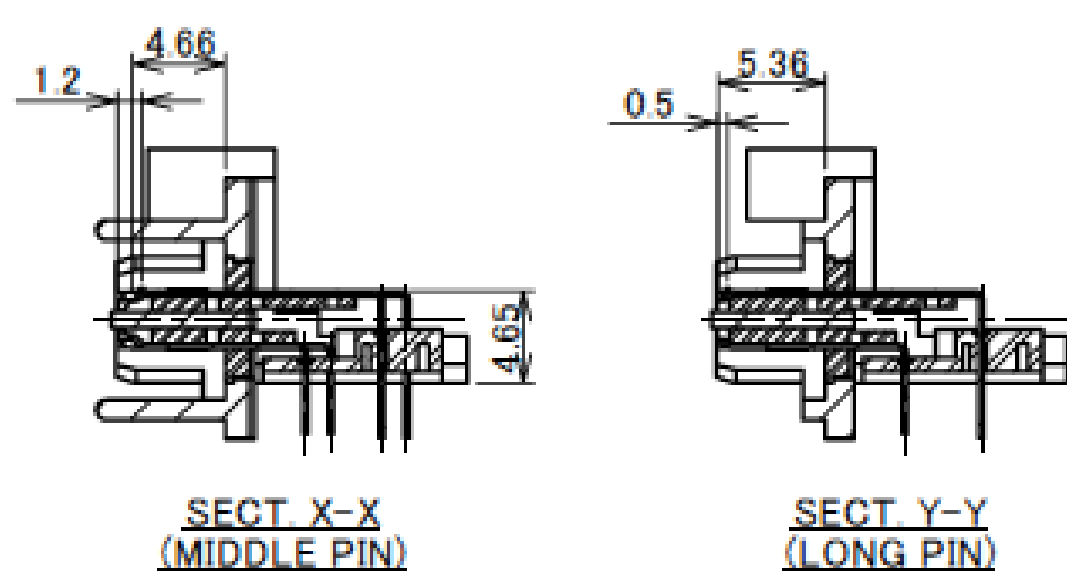
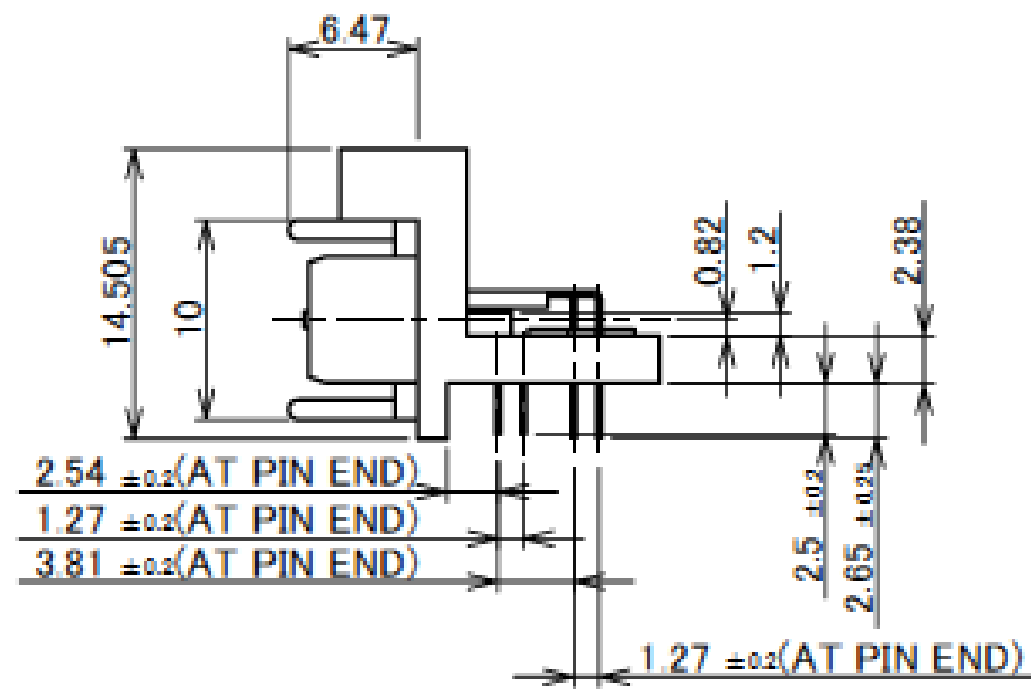
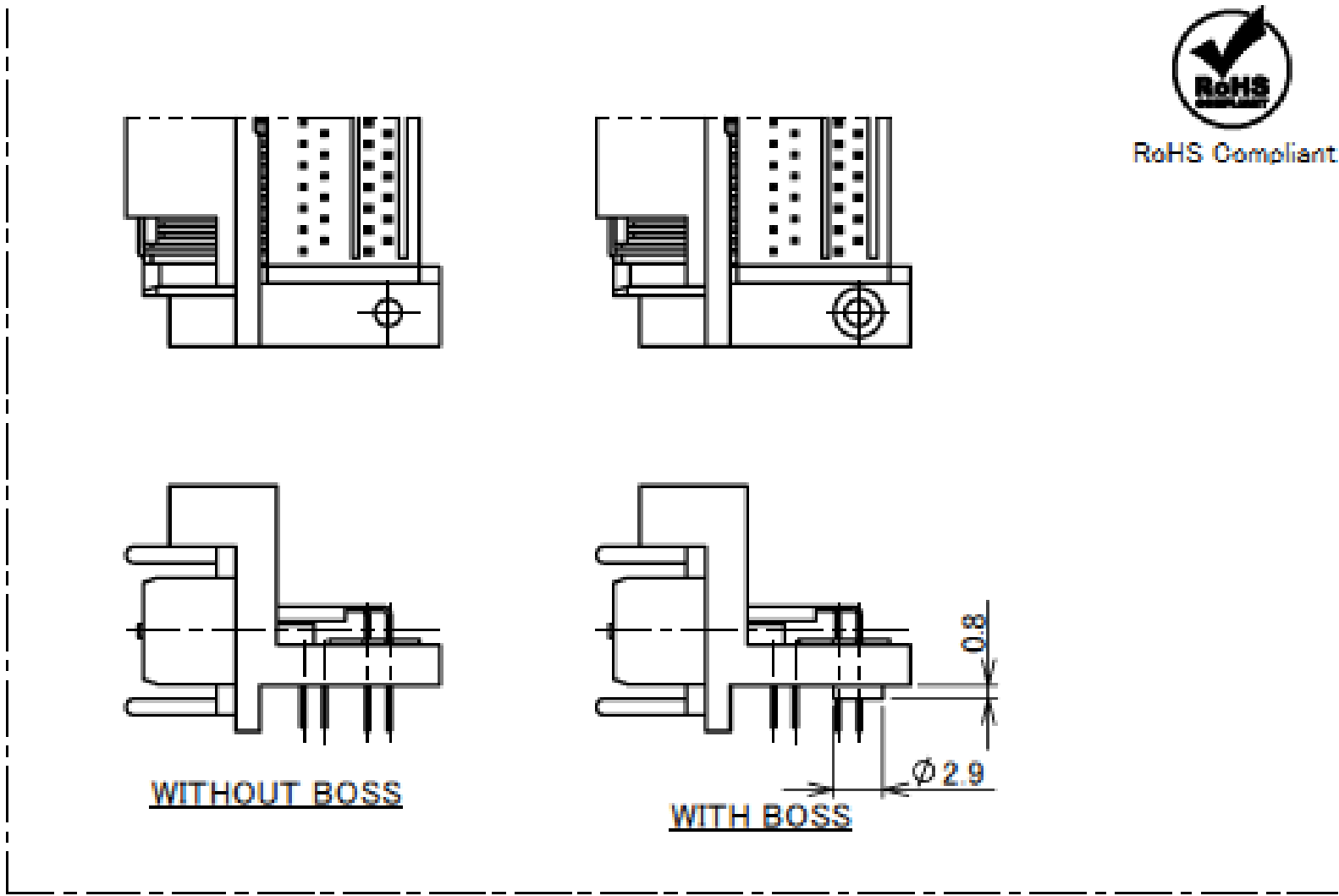
Component Parts Details

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)

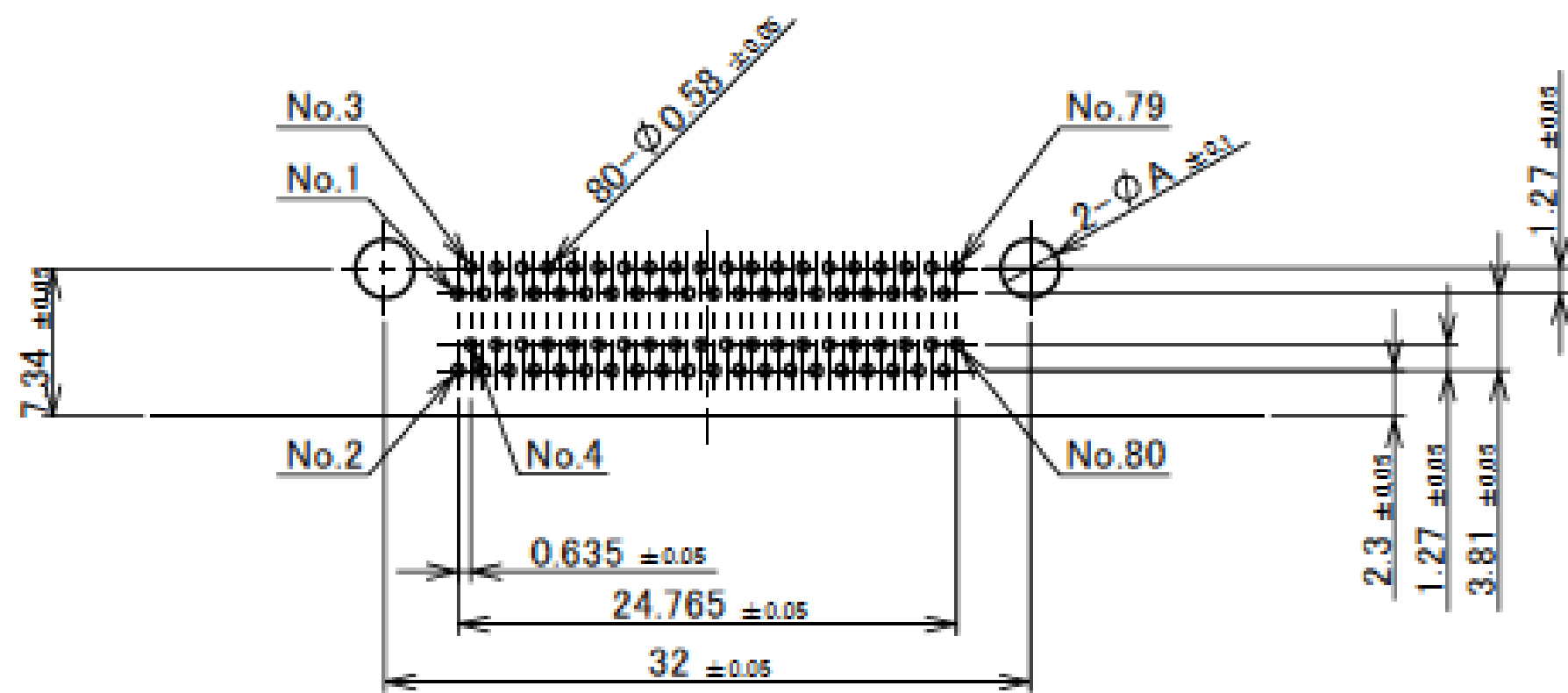


4	LOCATOR PLATE	PA	BLACK UL94V-0
3	PLUG INSULATOR	PPS	BLACK UL94V-0
2	PLUG CONTACT	COPPER ALLOY	CONTACT PART Au FLASH OVER Pd/Ni SOLDER TAIL Au FLASH
1	PLUG SHELL	Zn ALLOY	Ni PLATING
NO.	DISCRIPTION	MATERIAL	FINISH . REMARKS

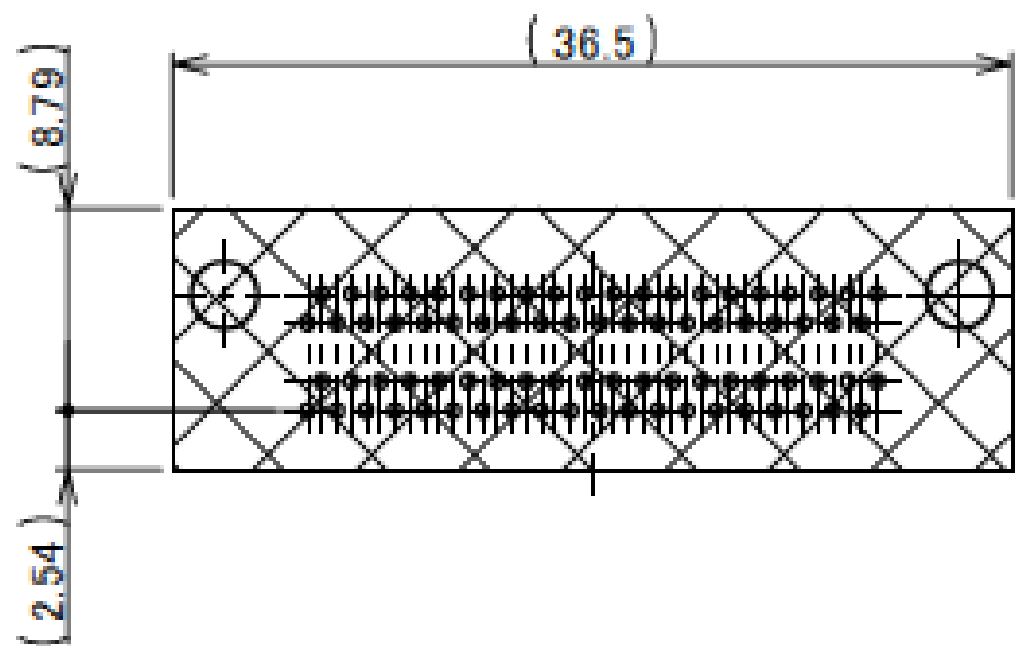
NOTE
1. CONNECTOR TO BE MATED: 30030

Plug Assembly

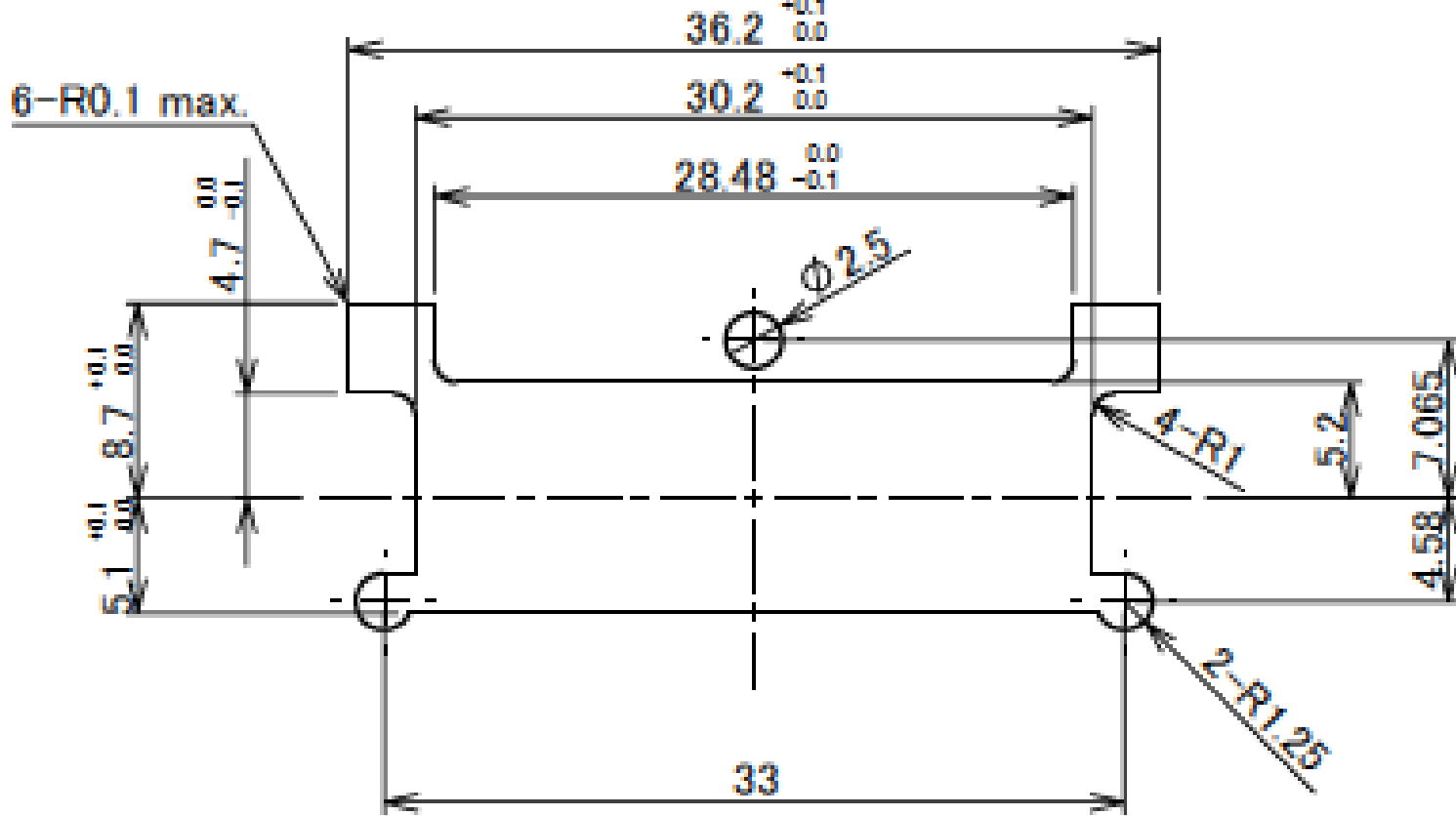
PART NO.	A
30029-080T-F	2.3
30029-080T-01F	
30029-080T-02F	3.1
30029-080T-03F	



RECOMMENDED FOOTPRINT PATTERN t=1.6



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA



RECOMMENDED PANEL

Rev.18

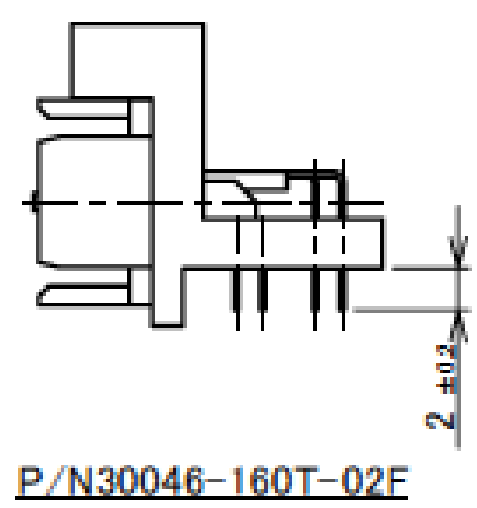
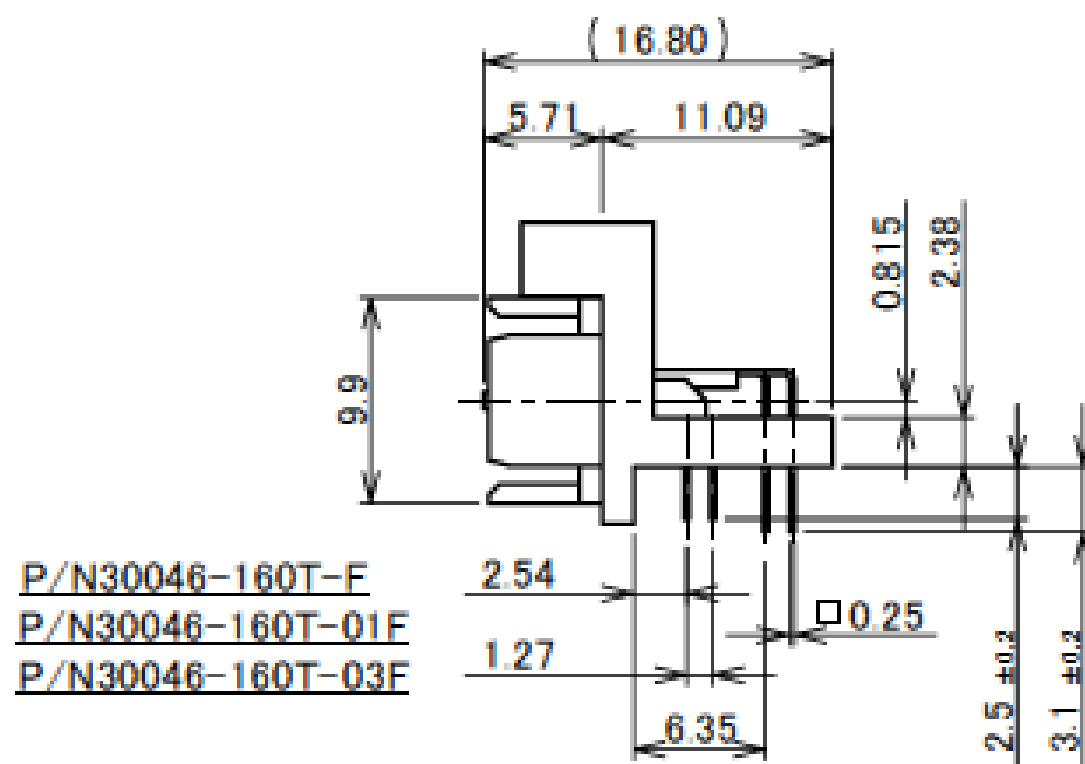
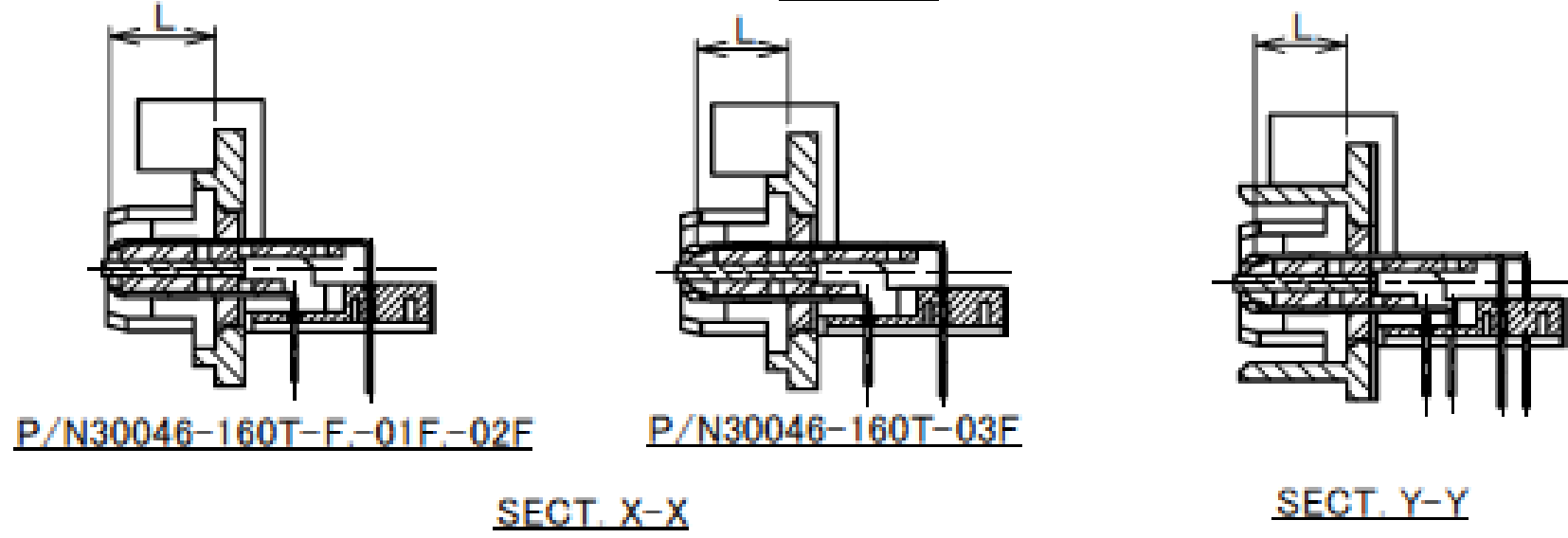
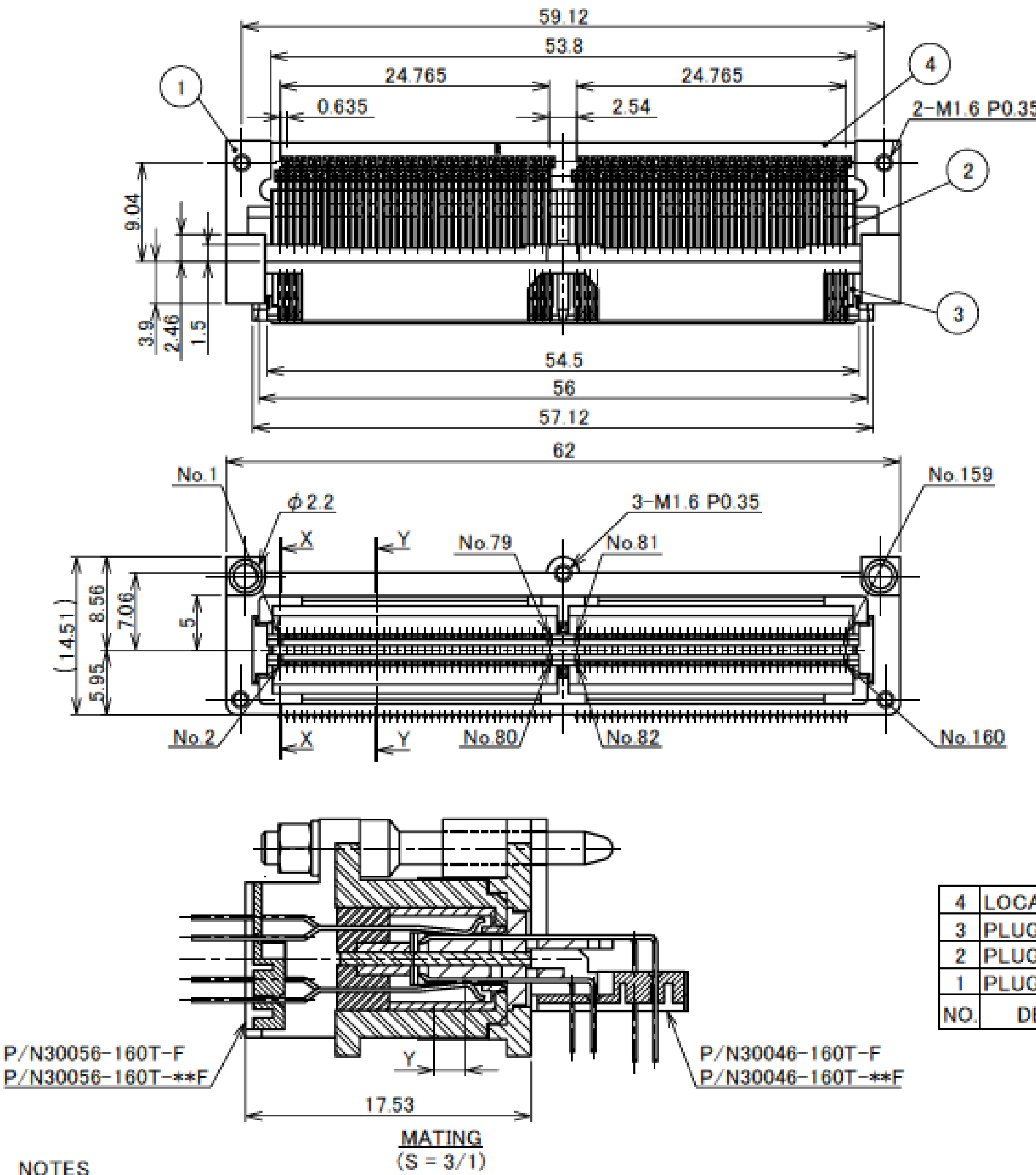
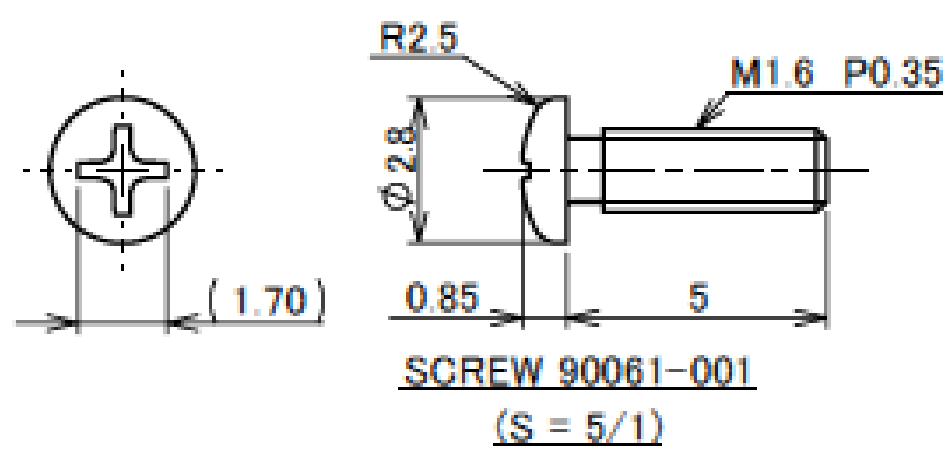
ITEMS	SPECIFICATION
RATING VOLTAGE	250V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	208~358K(-65°C~+85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : $\triangle$ 25mohm MAX.
INSULATION RESISTANCE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

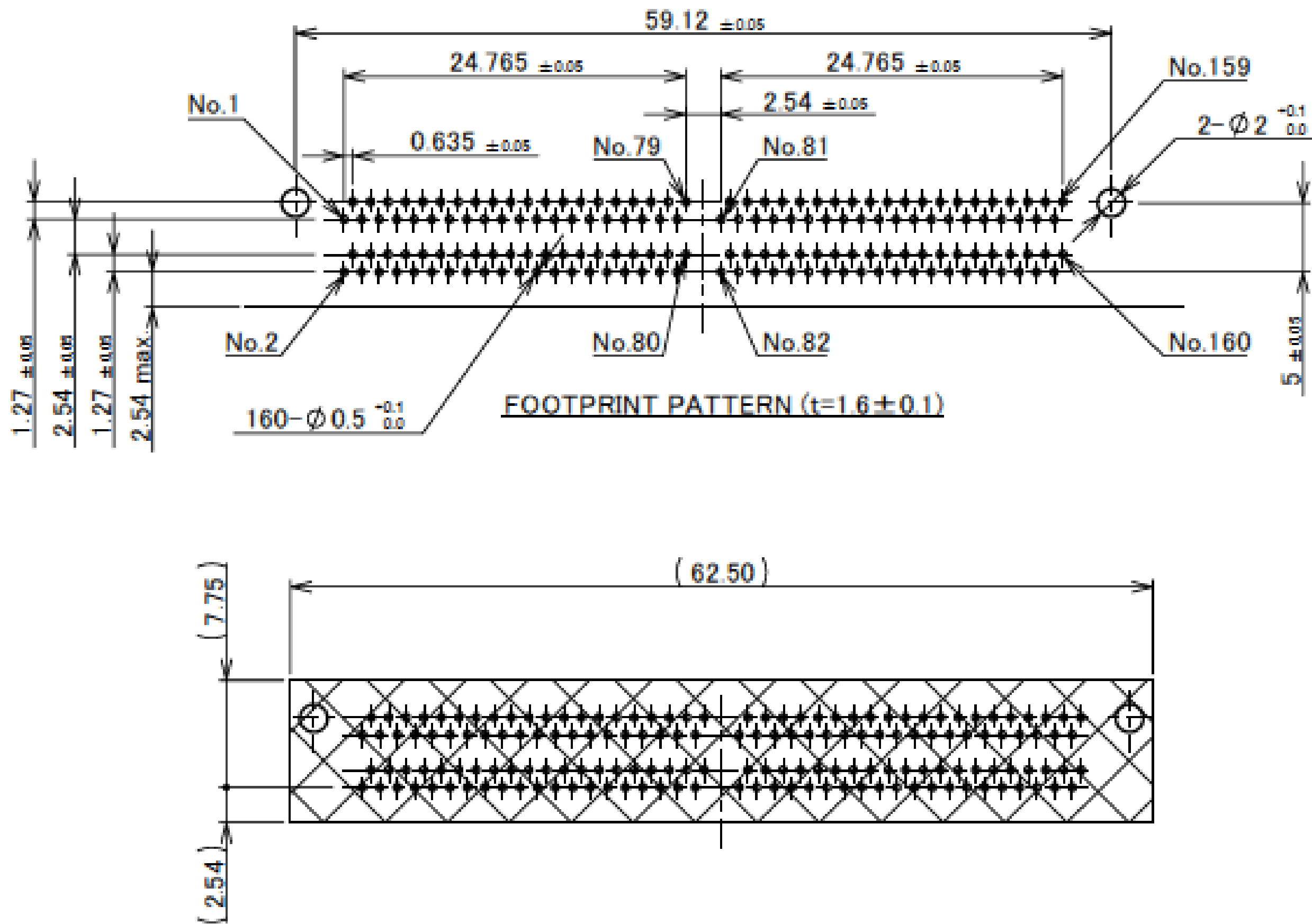
◆.MARK MEANS NOT AVAILABLE.



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

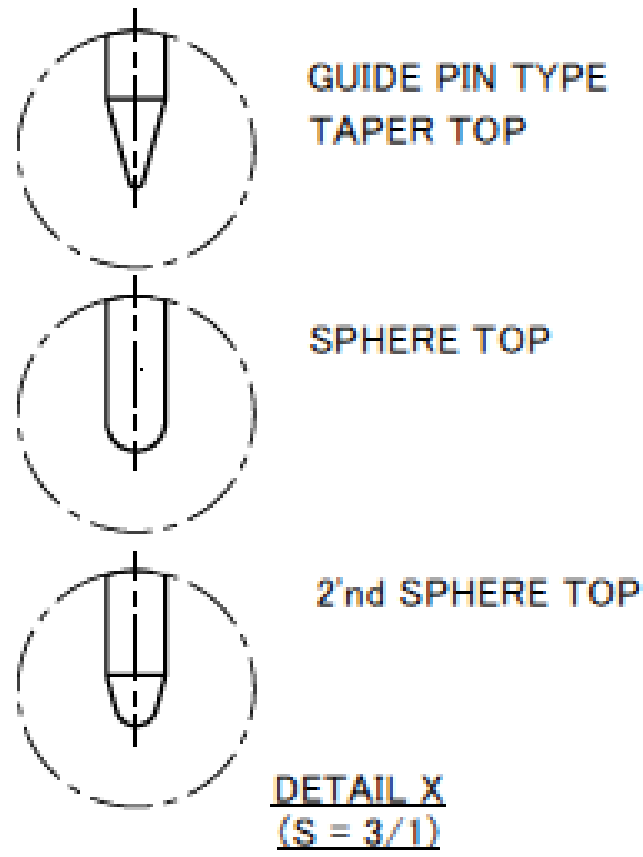
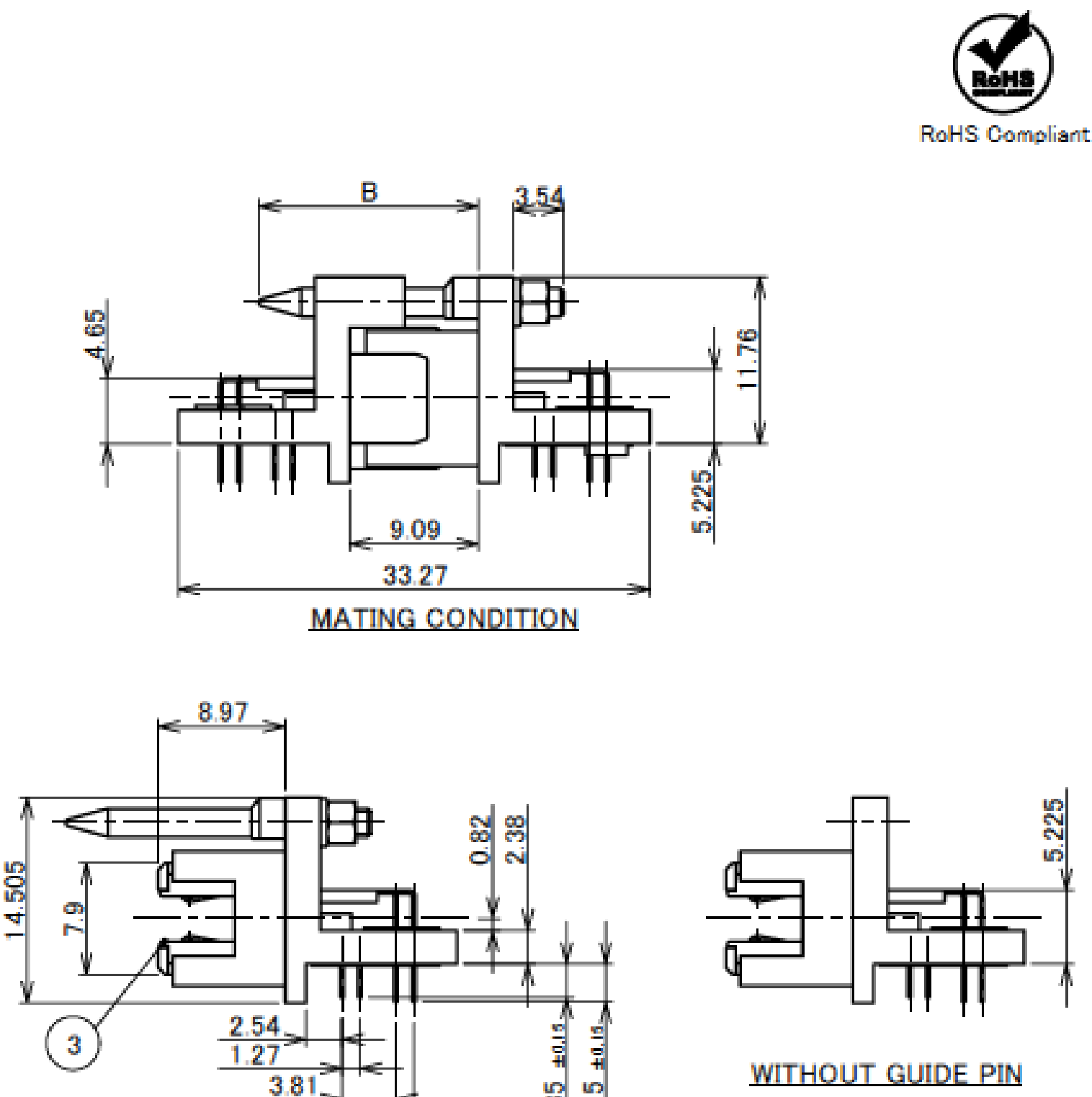
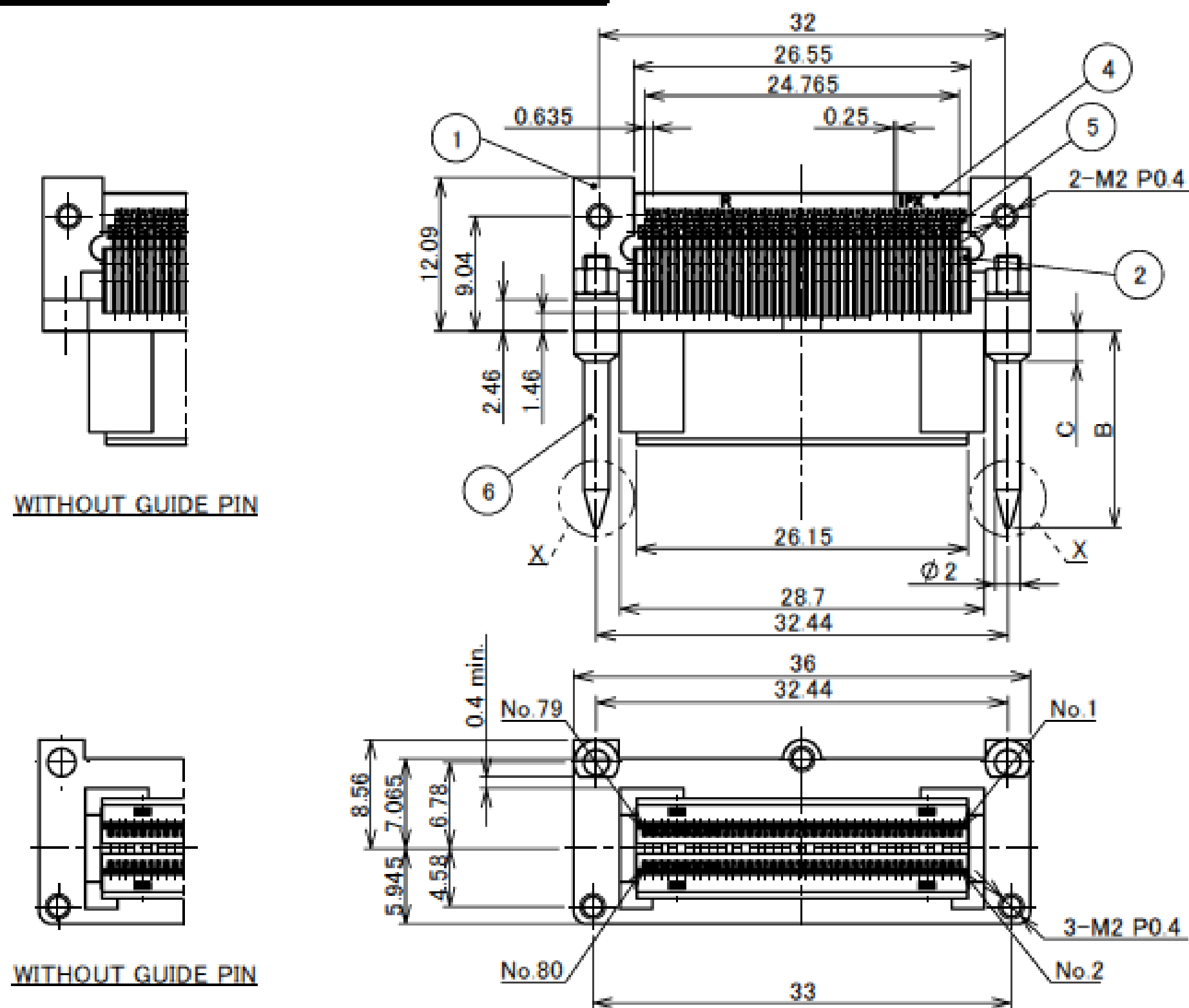
Plug Assembly

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



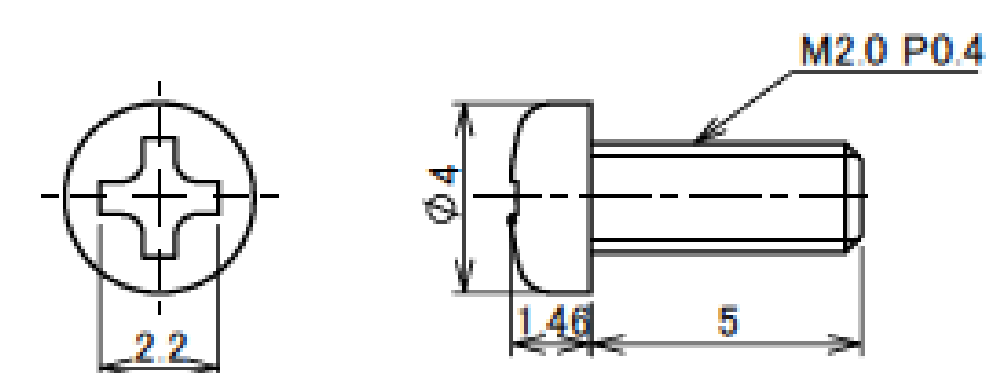
6	GUIDE PIN	STAINLESS STEEL (30030-080T-017*/018*)	NO PLATING
		STEEL (EXCEPT 30030-080T-017*/018*)	Ni PLATING
5	CONTACT	COPPER ALLOY	CONTACT AREA: Au FLASH OVER Pd/Ni SOLDER TAIL: Au FLASH
4	LOCATOR PLATE	PA	BLACK, UL94V-0
3	CONTACT GUIDE	PPS	BLACK, UL94V-0
2	INSULATOR	PPS	BLACK, UL94V-0
1	SHELL	Zn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

NOTES
1. CONNECTOR TO BE MATED: 30029

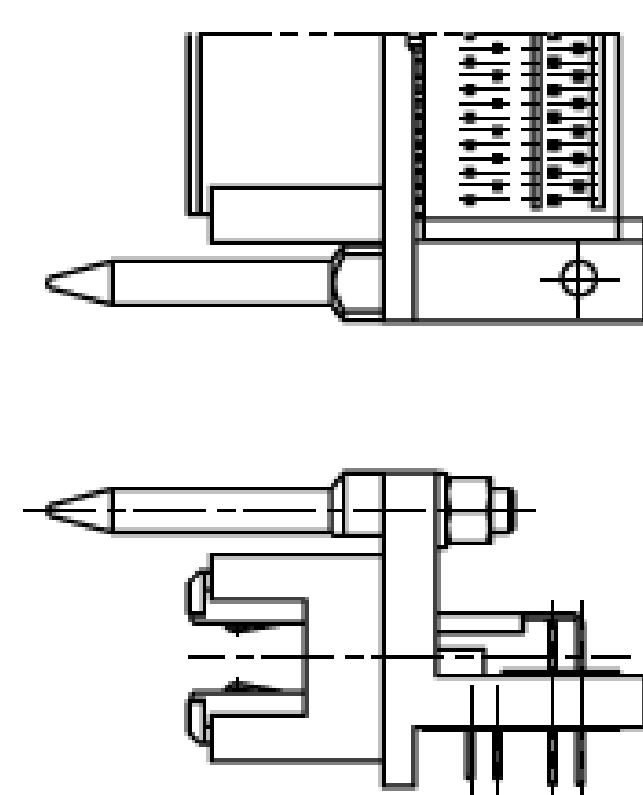
Rev.20

Receptacle Assembly

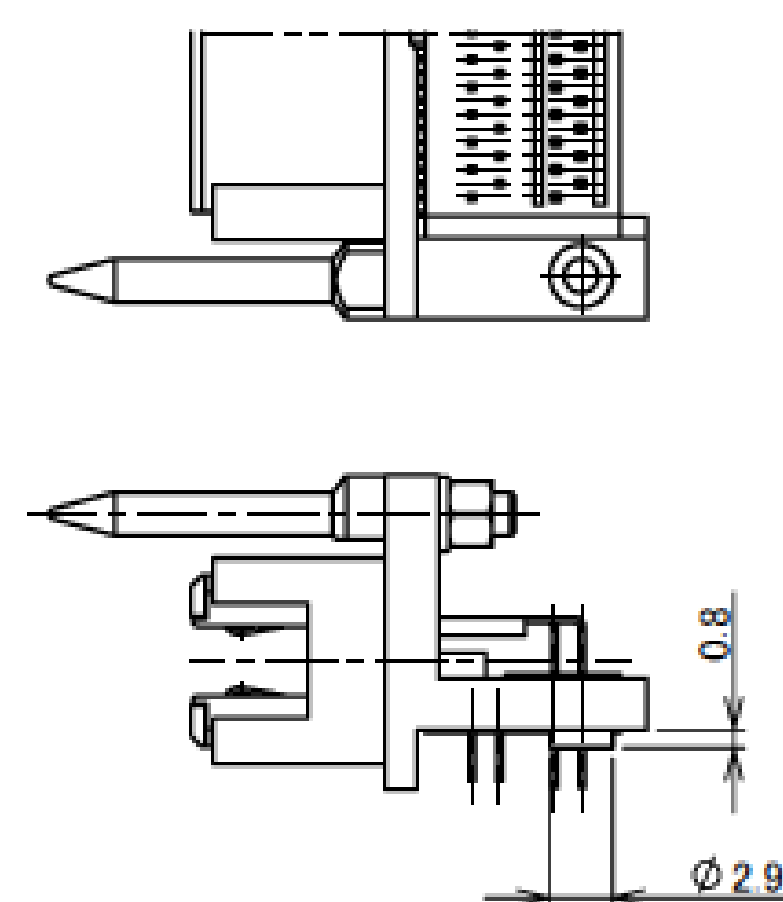
PART No.	GUIDE PIN TYPE	BOSS	A	B	C	NOTES	
30030-080T-F	TAPER TOP	WITHOUT BOSS	2.3	15.5	2.4	WITH SCREW	
30030-080T-01F	SPHERE TOP					WITHOUT SCREW	
30030-080T-02F	TAPER TOP			WITH SCREW			
30030-080T-03F	SPHERE TOP			WITHOUT SCREW			
30030-080T-04F	WITHOUT GUIDE PIN (1413-00*)						
30030-080T-05F	(WITHOUT NUT, WASHER)		—				
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*)				—		
30030-080T-11F	(WITHOUT NUT, WASHER)				WITH SCREW		
30030-080T-12F	2 nd SPHERE TOP	WITHOUT BOSS	2.3	15.5	WITHOUT SCREW		
30030-080T-13F					WITH SCREW		
30030-080T-14F		WITH BOSS	3.1		WITHOUT SCREW		
30030-080T-15F					WITH SCREW		
30030-080T-16F		SPHERE TOP					
30030-080T-17F	TAPER TOP (MTL : STAINLESS STEEL)	WITHOUT BOSS	2.3	13.0	WITHOUT SCREW		
30030-080T-18F	SPHERE TOP (MTL : STAINLESS STEEL)			15.5			
30030-080T-19F	SPHERE TOP	WITH BOSS	3.1	14.0		4.0	WITH SCREW



SCREW 90042-001
(S = 5/1)

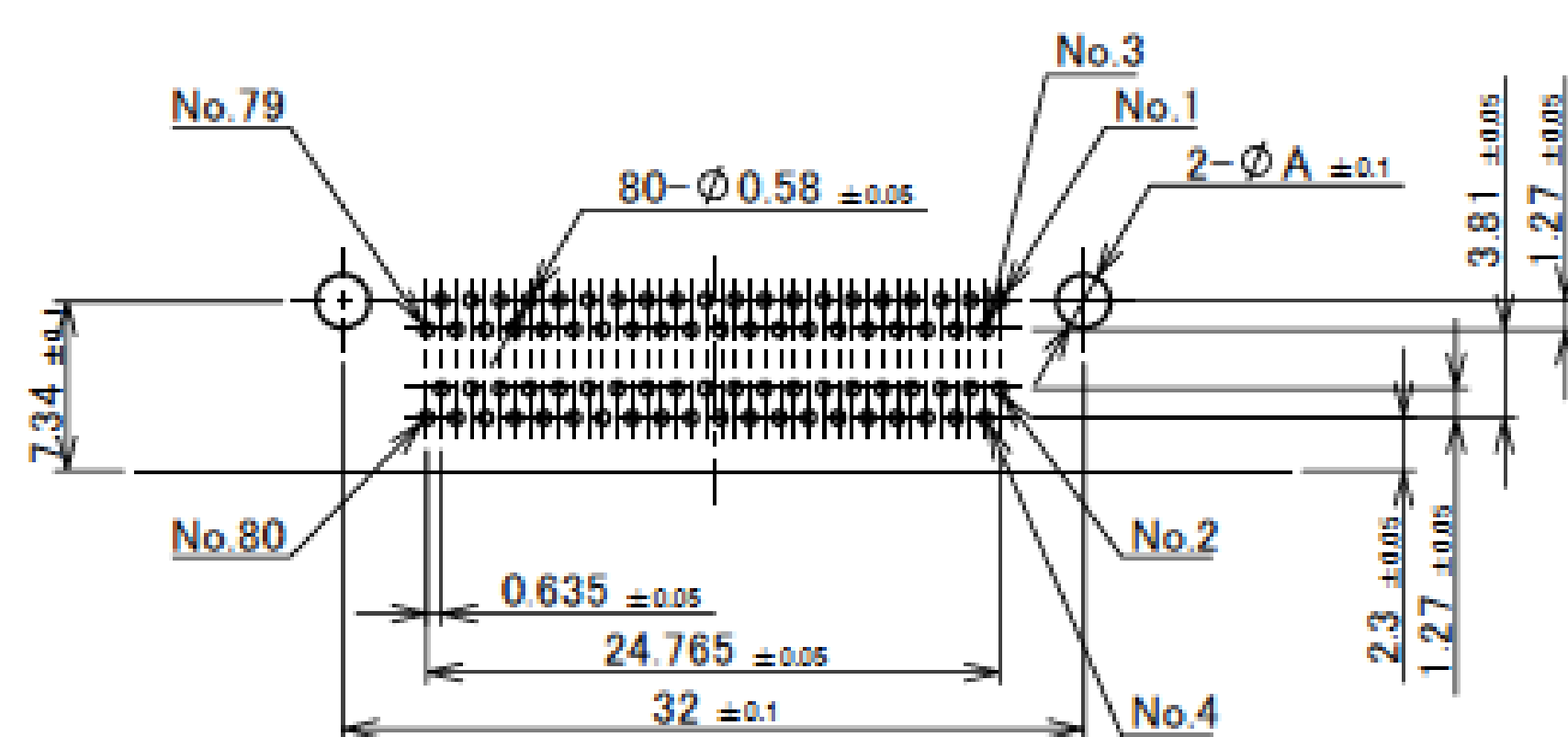


WITHOUT BOSS

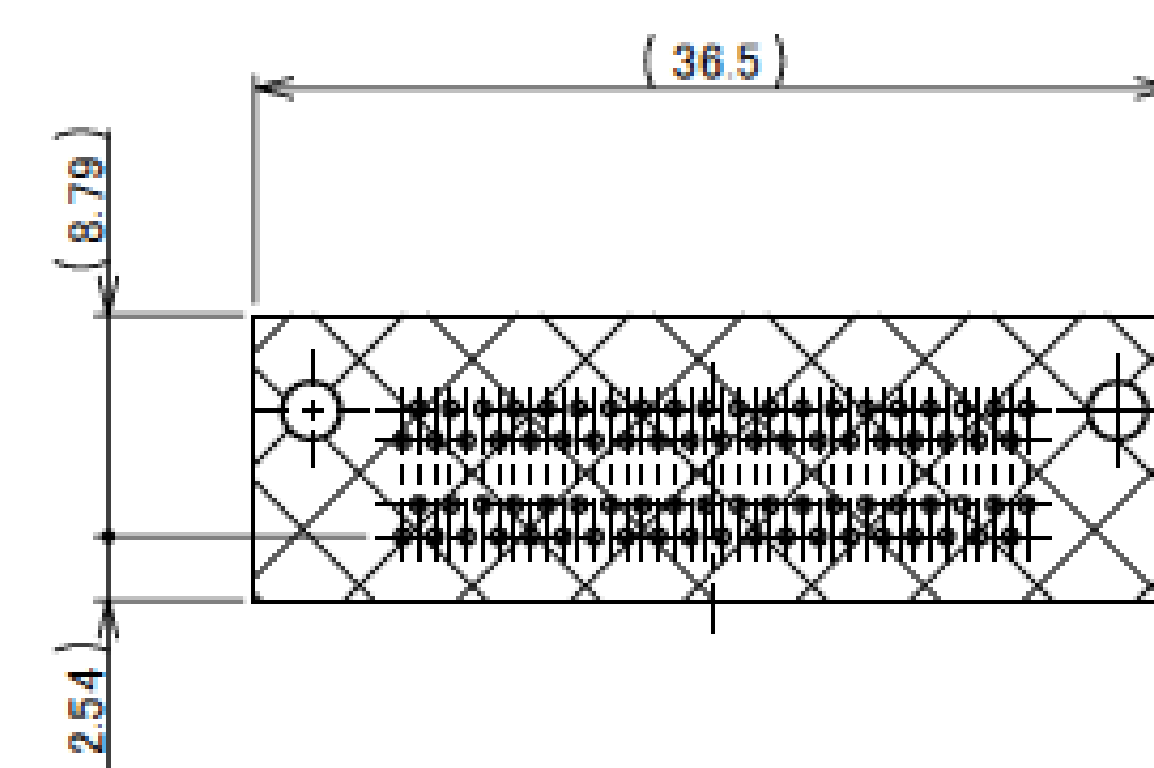


WITH BOSS

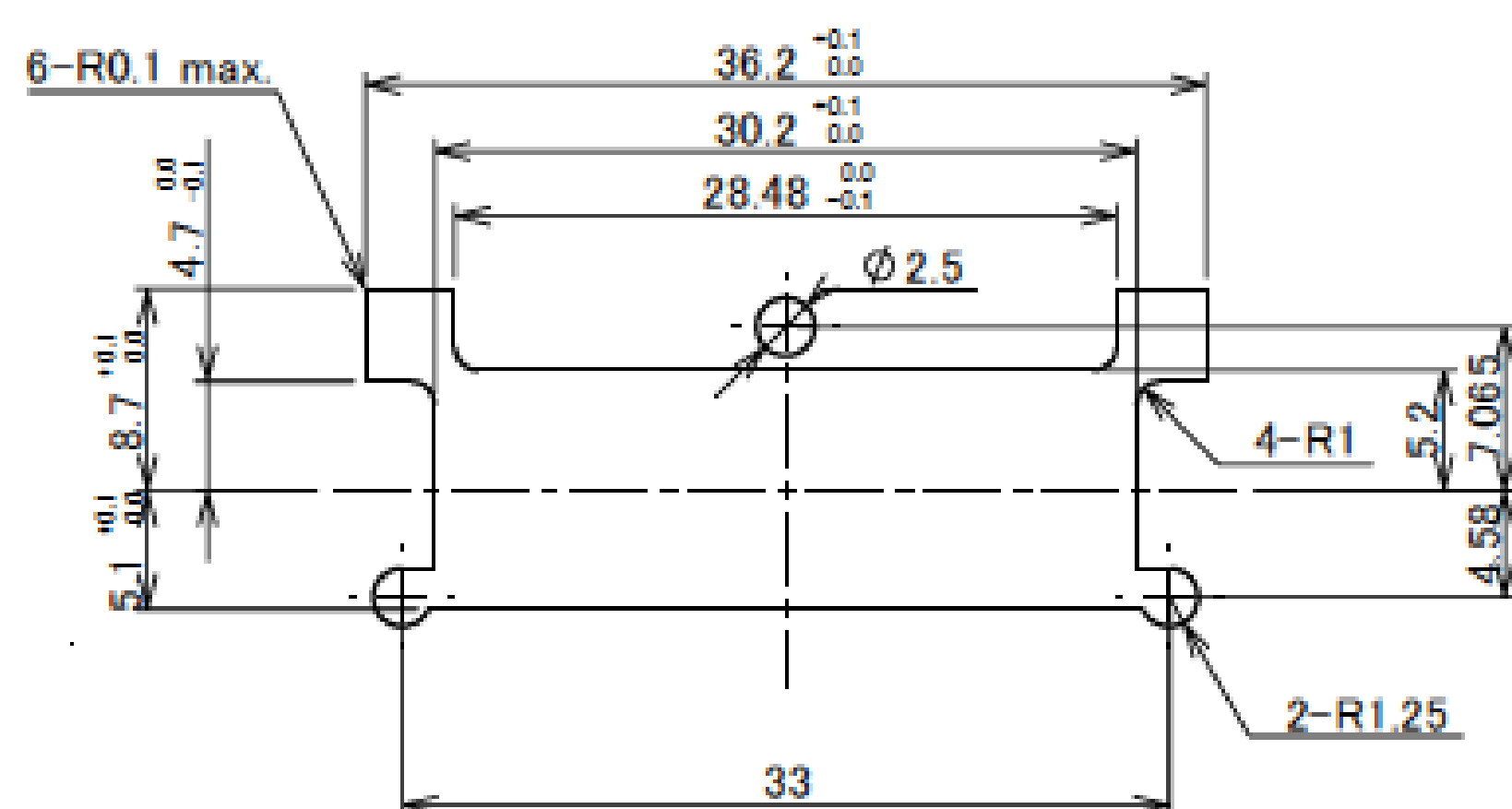
Rev.20



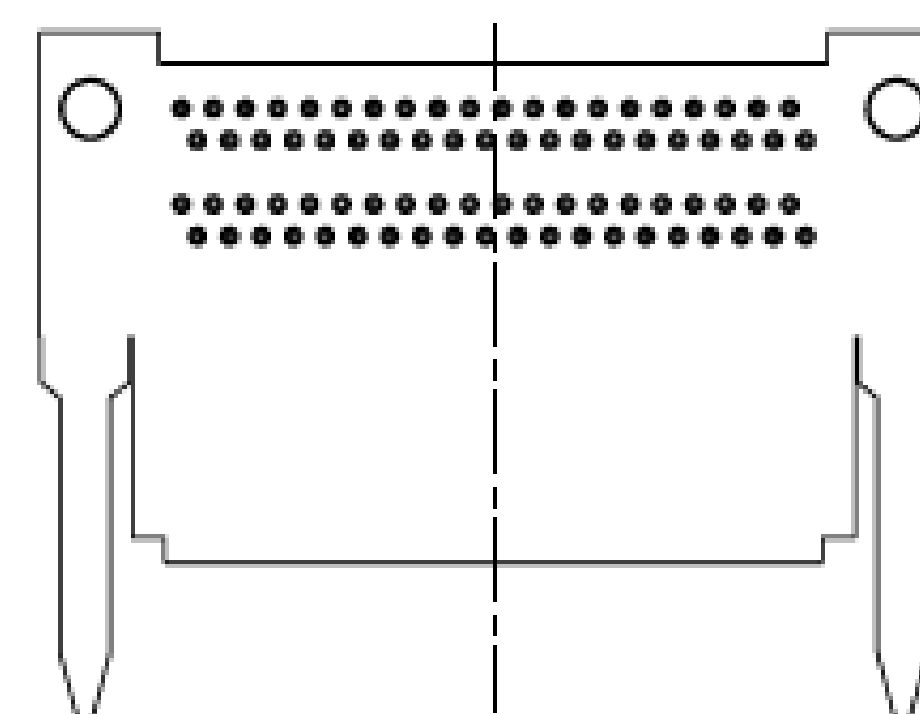
RECOMMENDED FOOTPRINT PATTERN t=1.6



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA



RECOMMENDED PANEL DIMENSIONS



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN

Rev.20

Receptacle Assembly

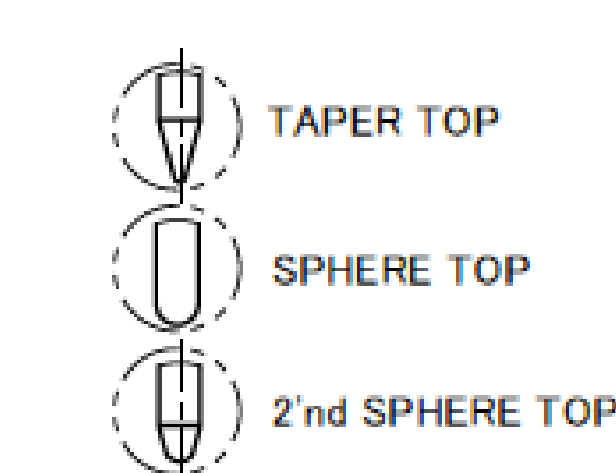
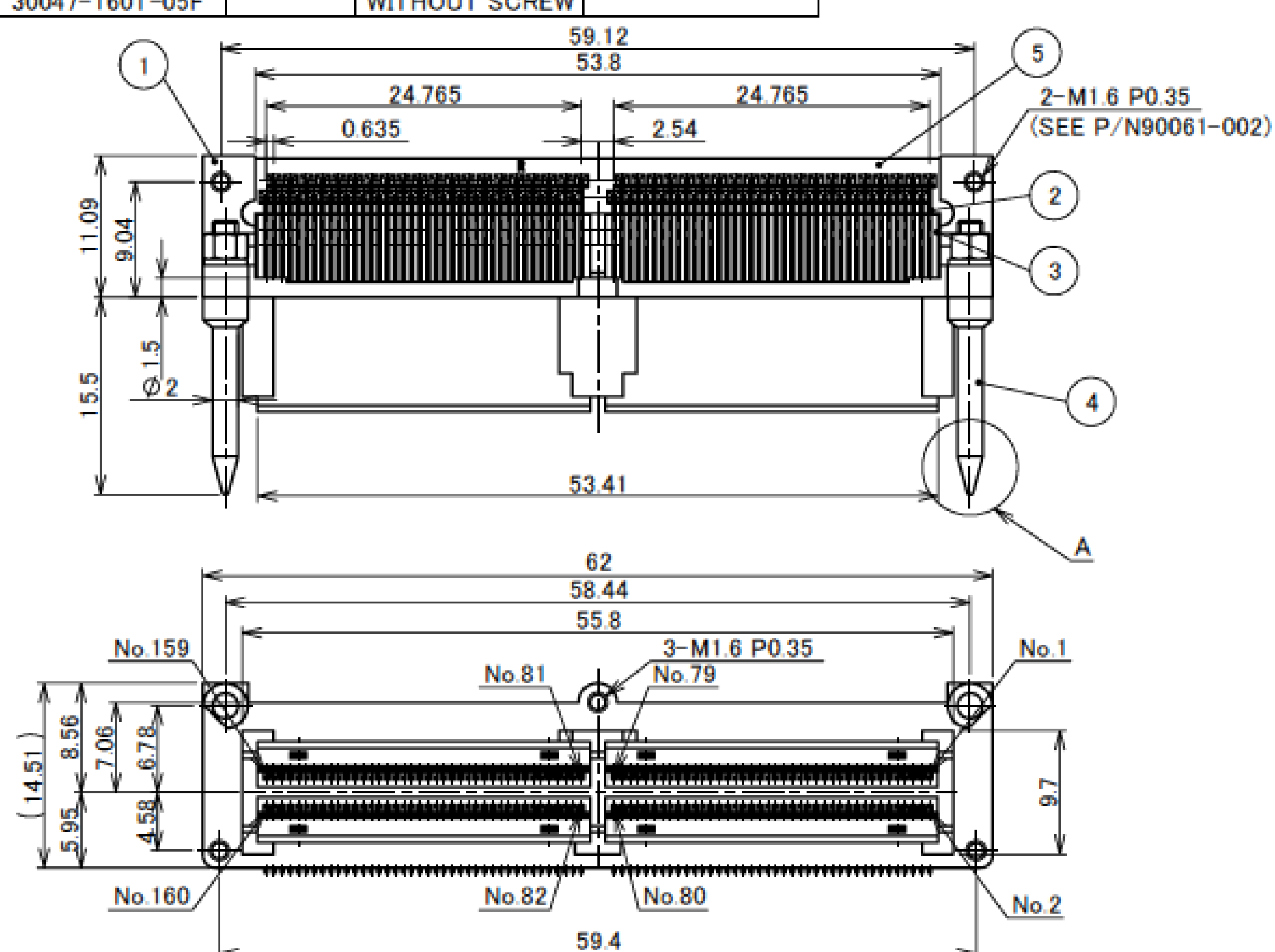
ITEMS	SPECIFICATION
RATING VOLTAGE	250V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	208~358K(-65°C~+85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR CONTACT)	INITIAL : 70mohm MAX. / AFTER TEST : $\triangle$ 25mohm MAX.
INSULATION RESISTANCE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

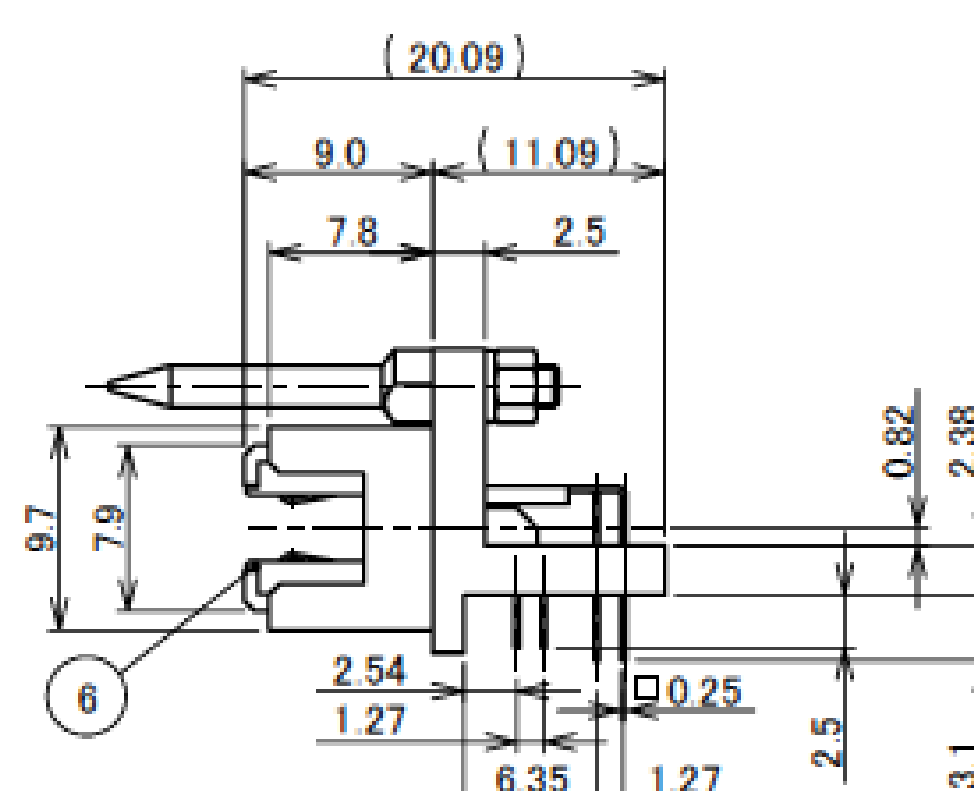
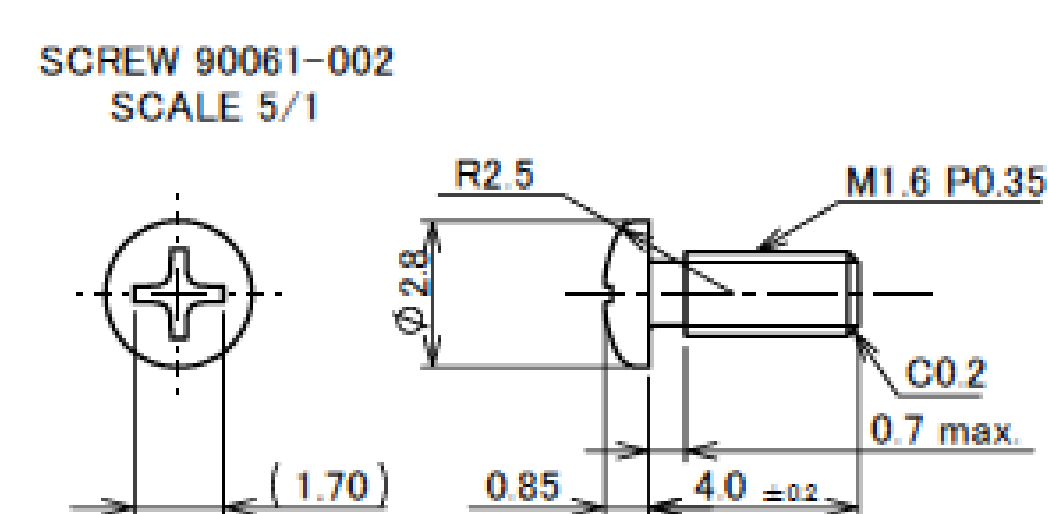
Recommended P/N		30047-160T-01F	
PART NO.	Pos.	NOTES	GUIDE PIN P/N
30047-160T-F	160P	WITH SCREW	TAPER TOP
30047-160T-01F		WITHOUT SCREW	
30047-160T-02F		WITH SCREW	SPHERE TOP
30047-160T-03F		WITHOUT SCREW	
30047-160T-04F		WITH SCREW	2'nd SPHERE TOP
30047-160T-05F		WITHOUT SCREW	



RoHS Compliant



GUIDE PIN TYPE
DETAIL A



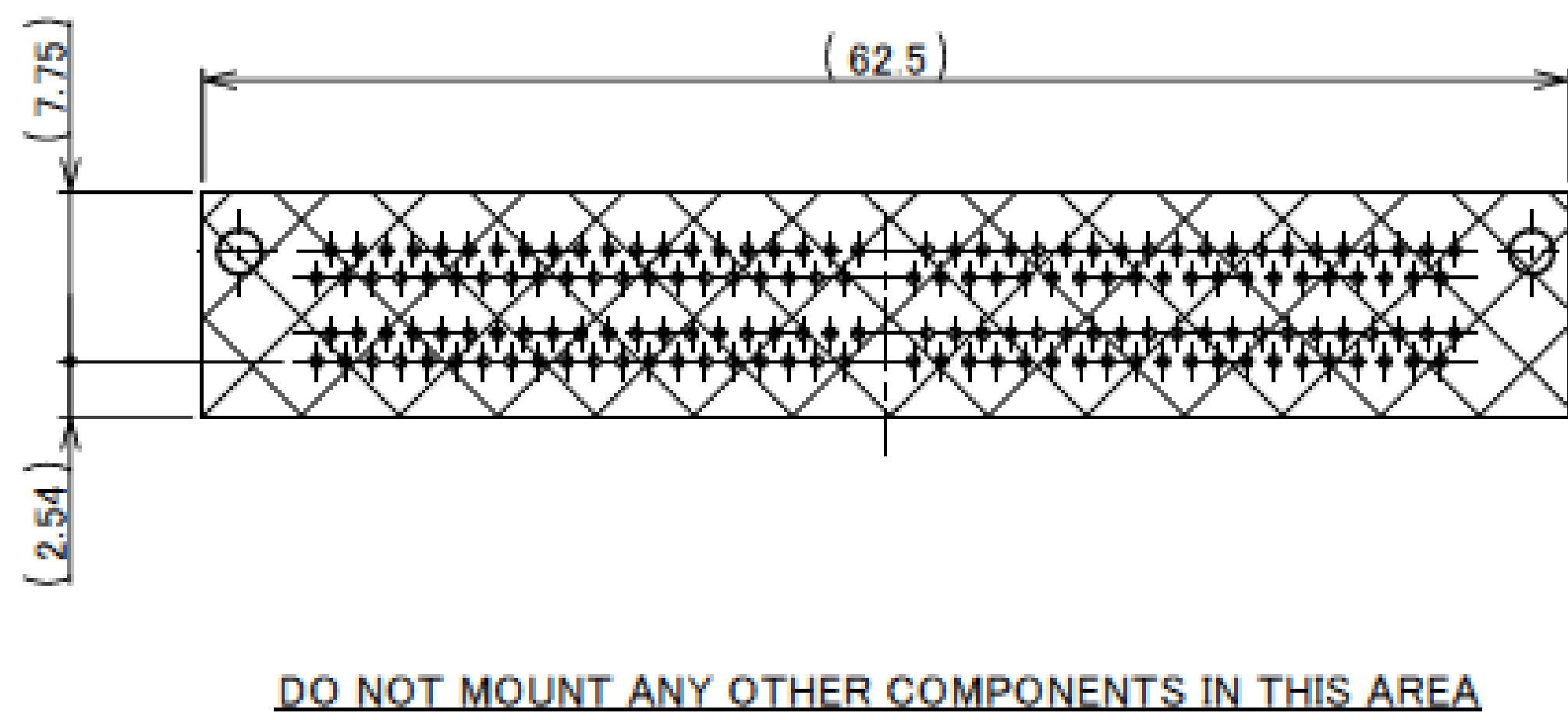
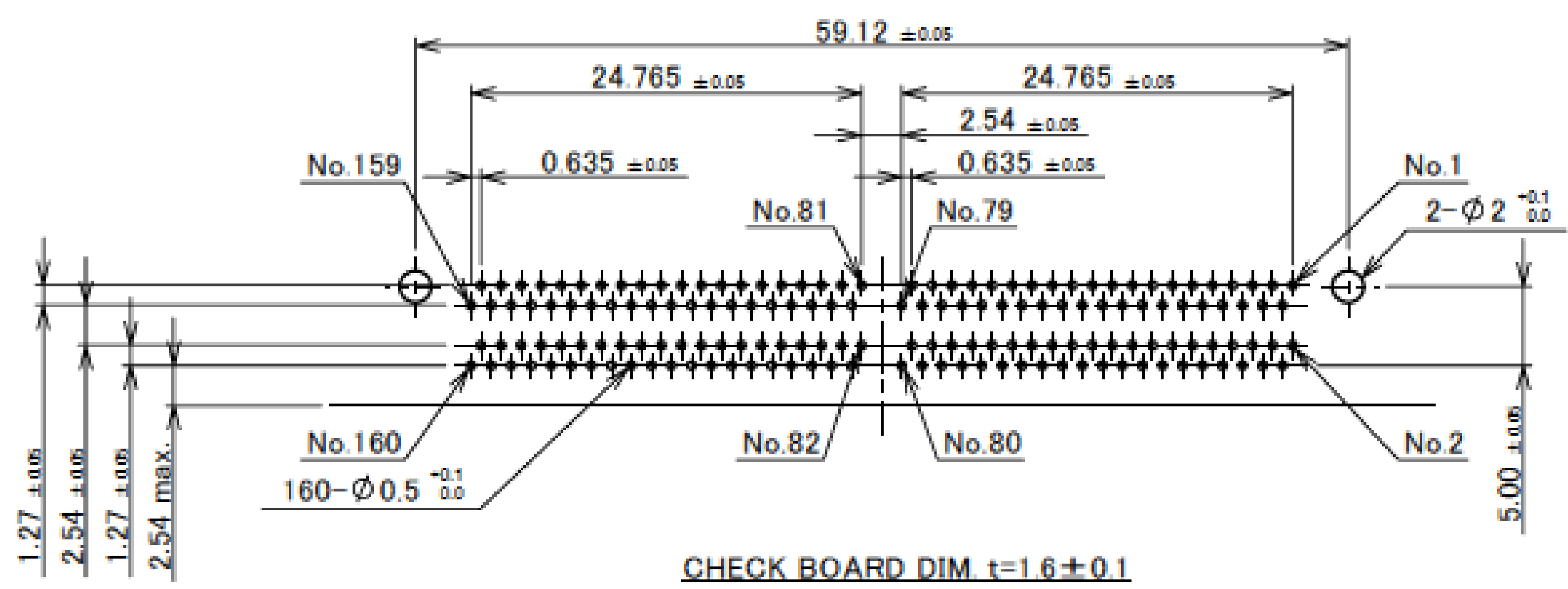
6	CONTACT GUIDE	PPS	BLACK UL94V-0
5	LOCATOR PLATE	PA	BLACK UL94V-0
4	GUIDE PIN	STEEL	Ni PLATING
3	RECE INSULATOR	PPS	BLACK UL94V-0
2	RECE CONTACT	COPPER ALLOY	Au PLATING
1	RECE SHELL	Zn ALLOY	Ni PLATING
NO	DESCRIPTION	MATERIAL	FINISH . REMARKS

NOTES

1. CONNECTOR TO BE MATED : 30046

Rev.14

Receptacle Assembly



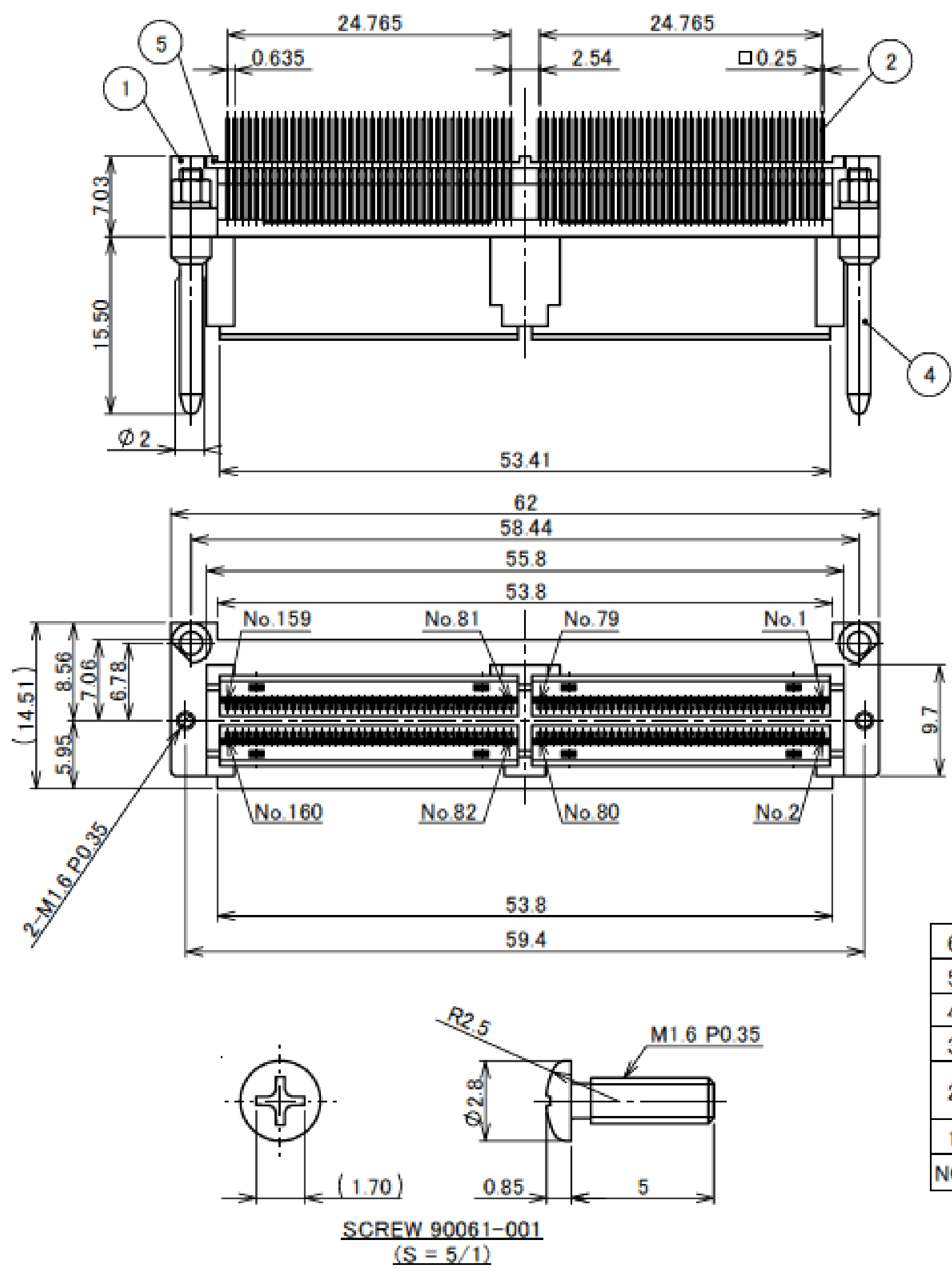
Rev.14

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

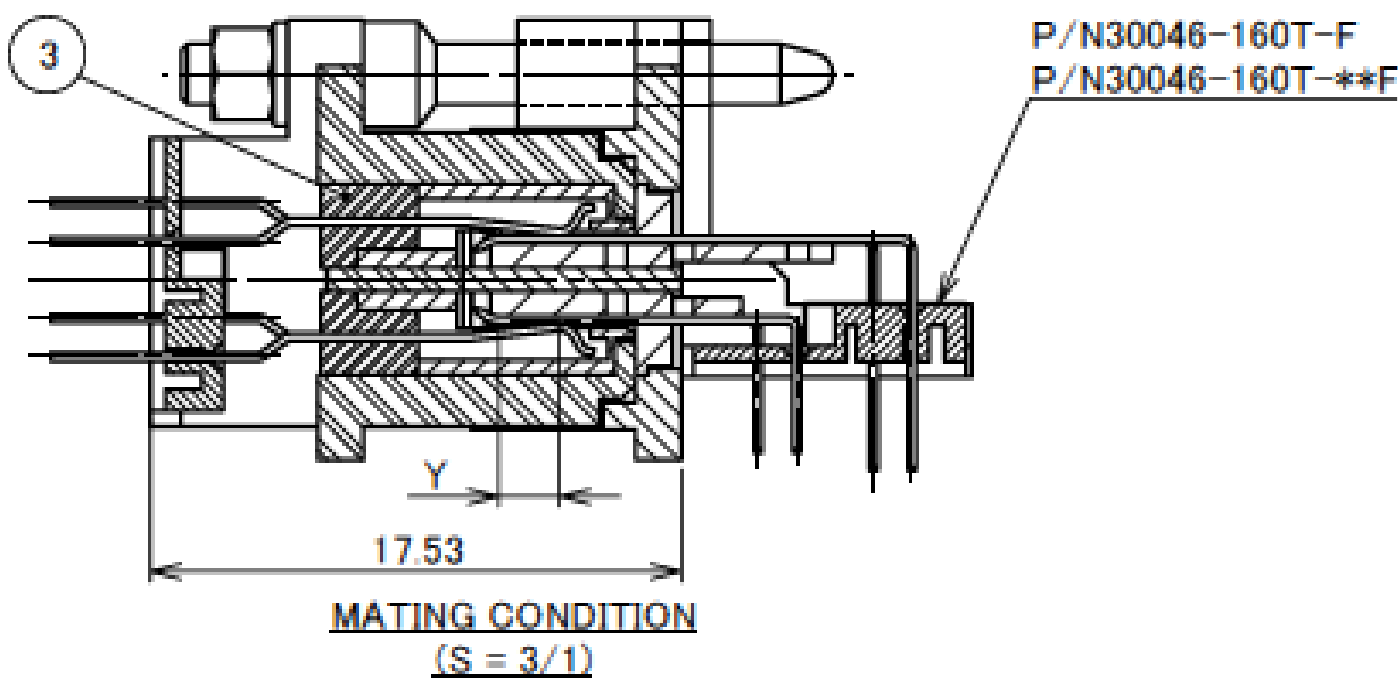
Rev.14

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



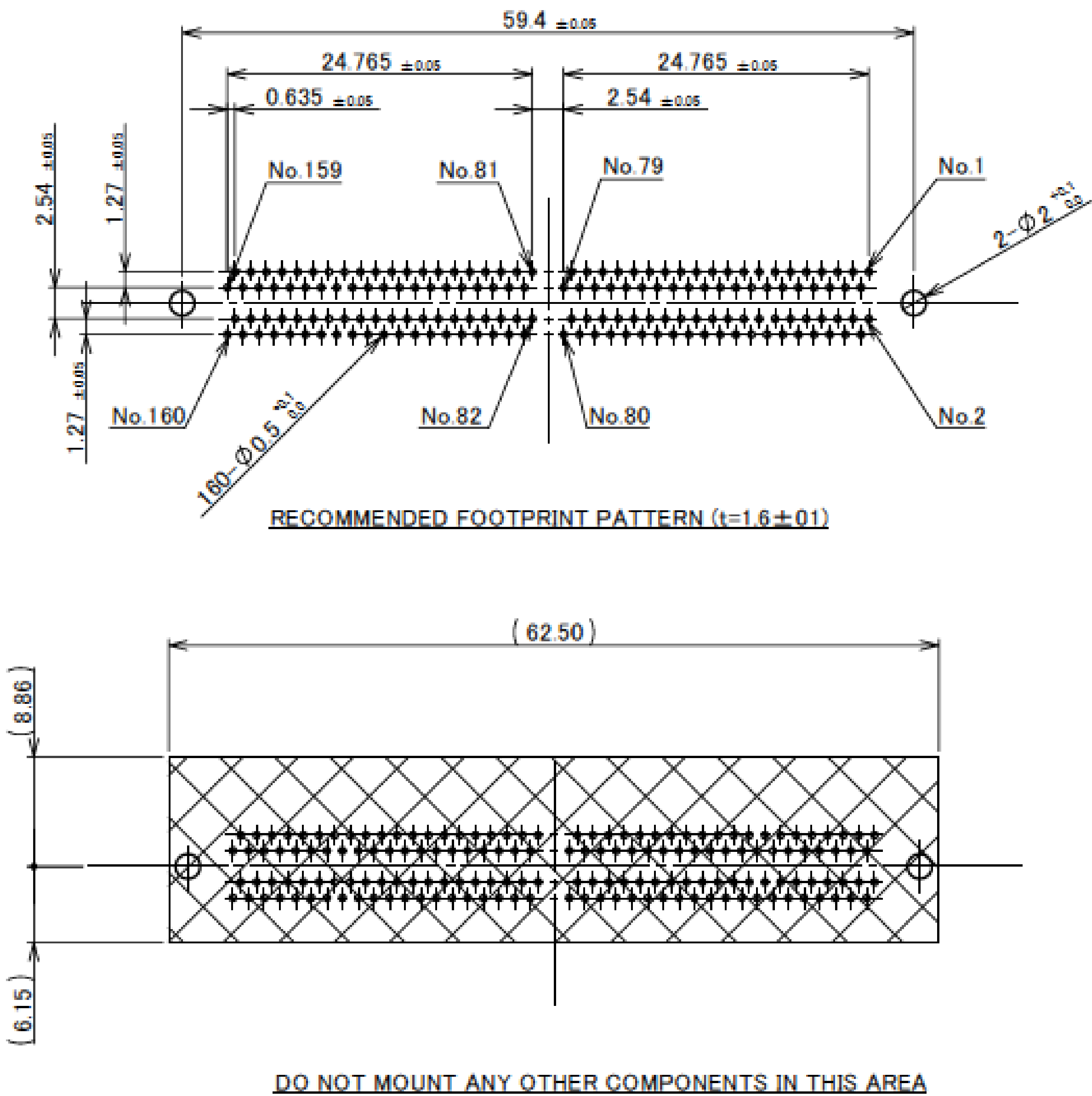
BE MATED	Y (MATING TRAVEL OF C/T)
P/N 30046-160T	1.4, 2.1



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 SOLDER TAIL Au FLASH
1	RECE SHELL	Zn ALLOY	Ni PLATING

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

Rev.15



DO NOT MOUNT ANY OTHER COMPONENTS IN THIS AREA

Rev.15

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 : $\triangle$ 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

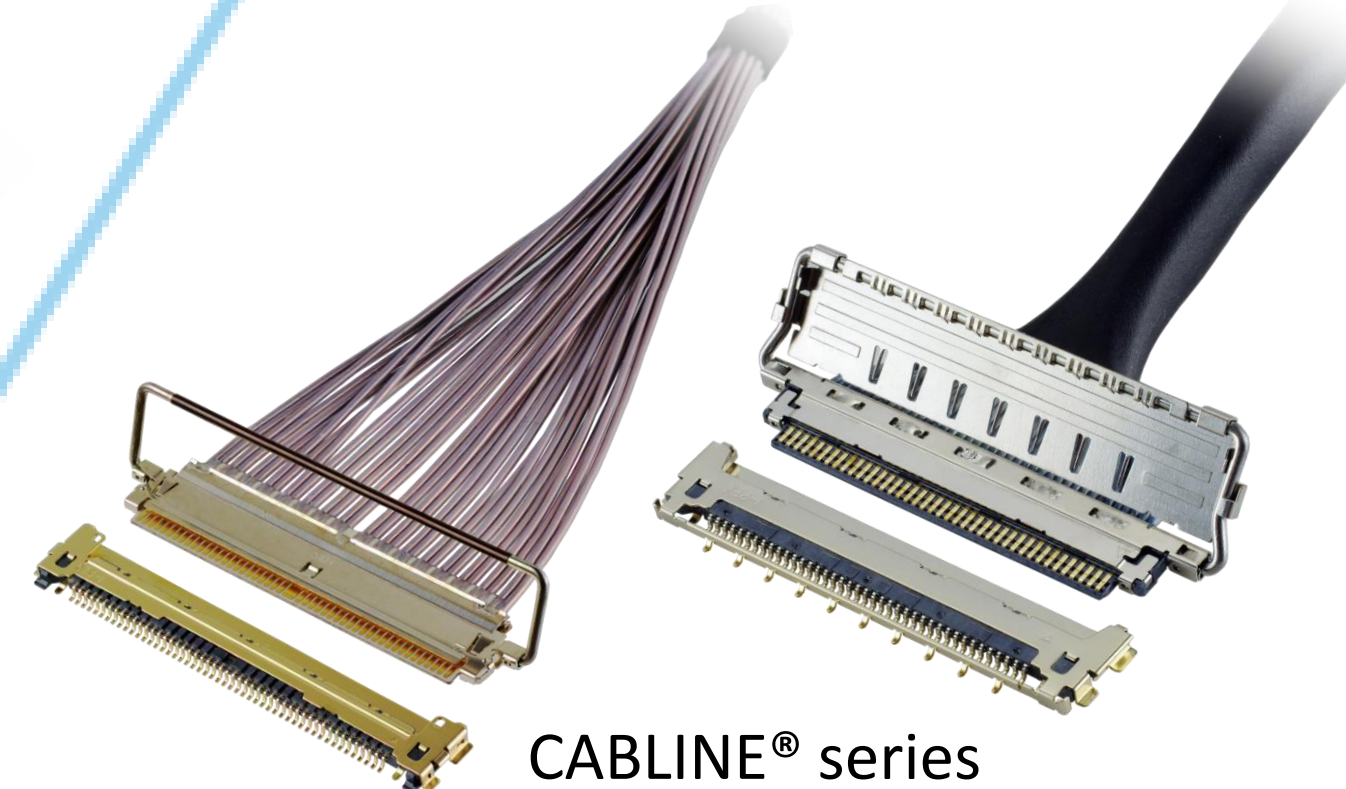
Custom Connectors Available

 RF
Connectors

MHF® series



Micro-coaxial/Twinax
Connectors

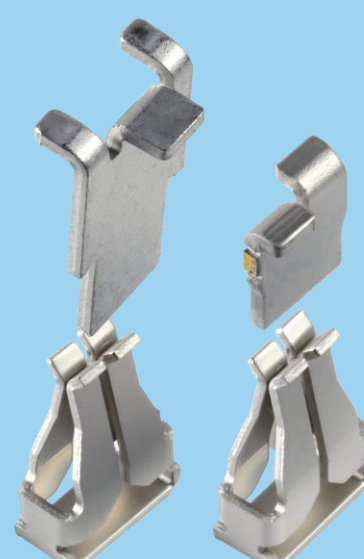


CABLINA® series

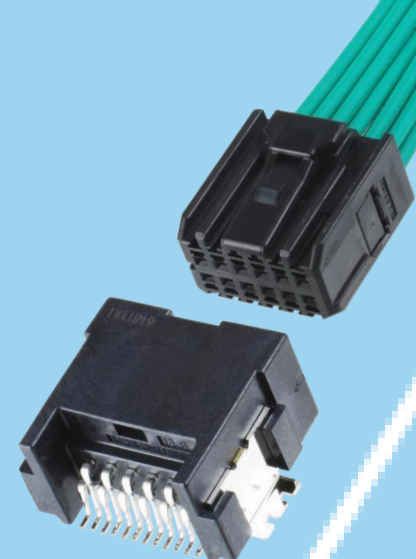


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



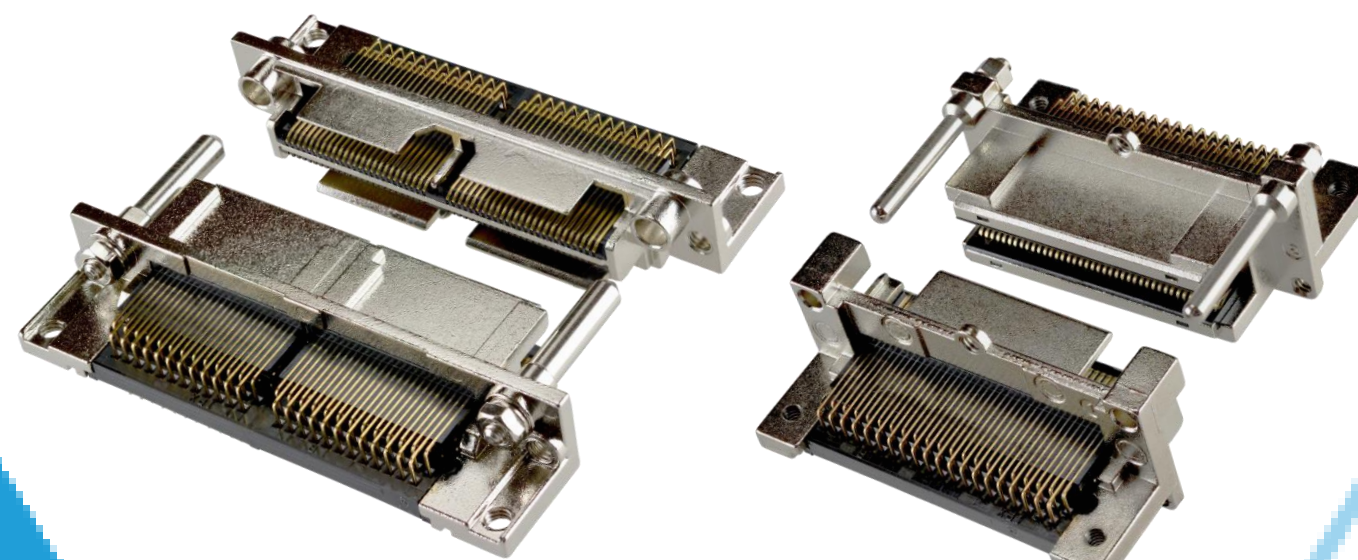
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



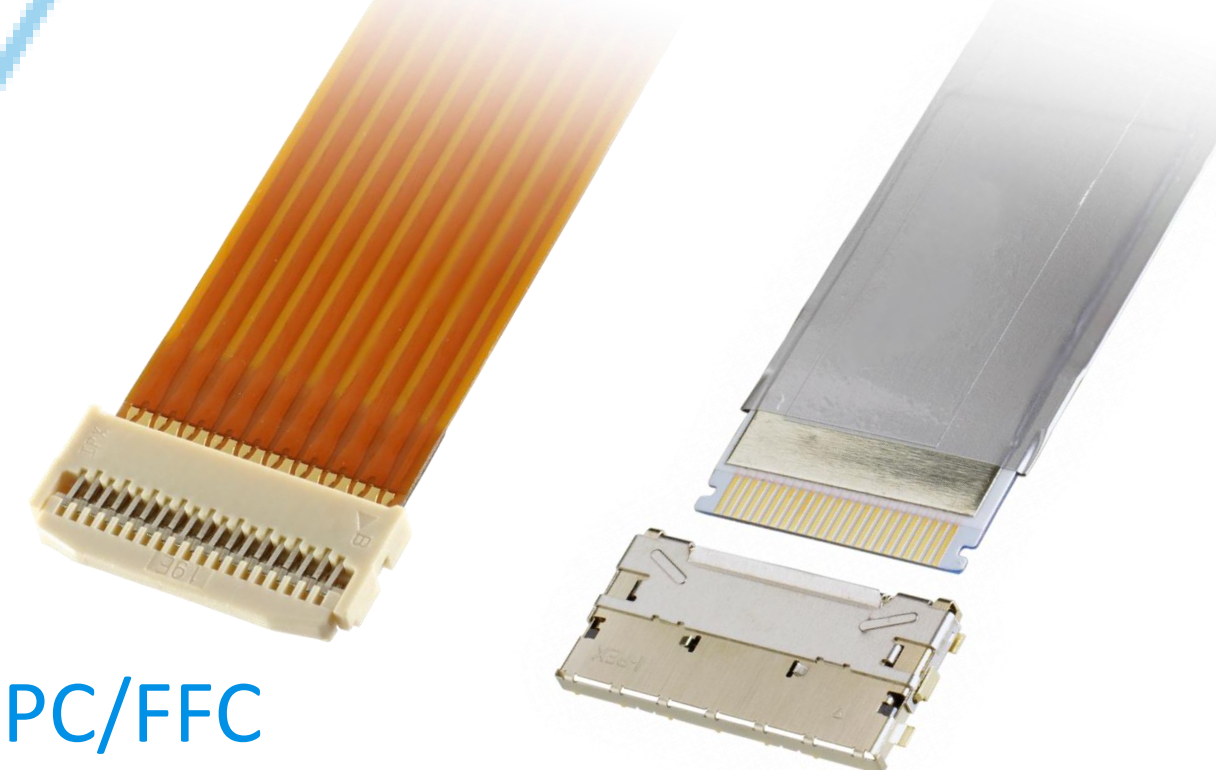
MINIDOCK™ series



FPC/FFC
Connectors

MINIFLEX® series

EVAFLEX® series



Inquiry



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Contact your sales representative
or more detailed information.

www.i-pex.com



I-PEX

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