

MINIFLEX® 2-BF

0.2 mm pitch, Horizontal mating, Backflip, (0.9 mm)

Product Specifications:

Board Pitch (mm)	0.2	
Wiping Length (mm)	Contact A:0.95	
	Contact B:0.45	
Size (mm)	Height	0.90 +/- 0.10
	Width	Formula:1.5 +(0.2*p)
	Depth	Open:3.30 Close:4.5
Pin counts	Range	80-120 (even)
	Available	80, 100, 120

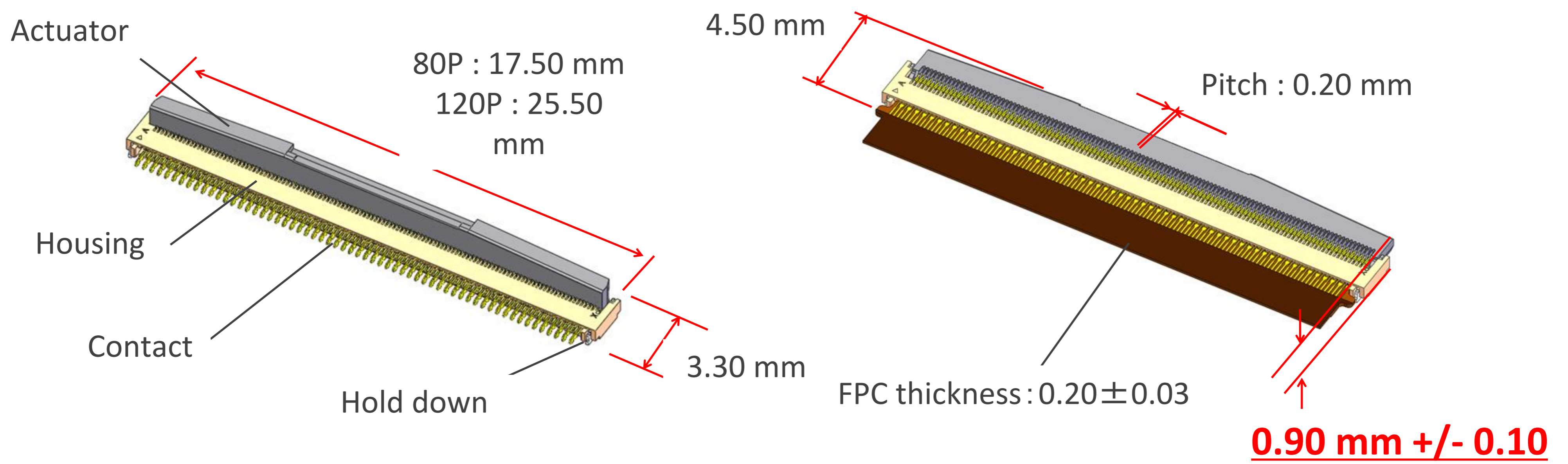
Applicable FPC/FFC:

FPC/FFC Contact Pitch	0.2
FPC/FFC Contact Point	Top and Bottom
FPC/FFC Thickness (mm)	0.2 +/- 0.03

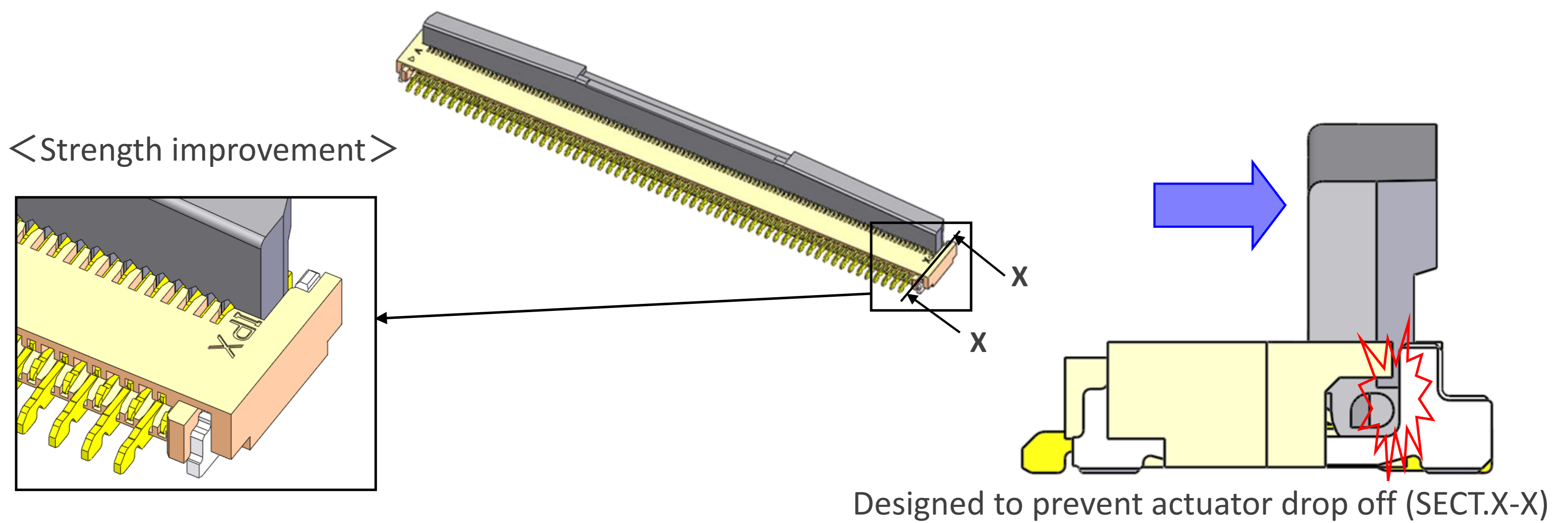
* Please inquire for pin counts not listed or outside of the pin count range.



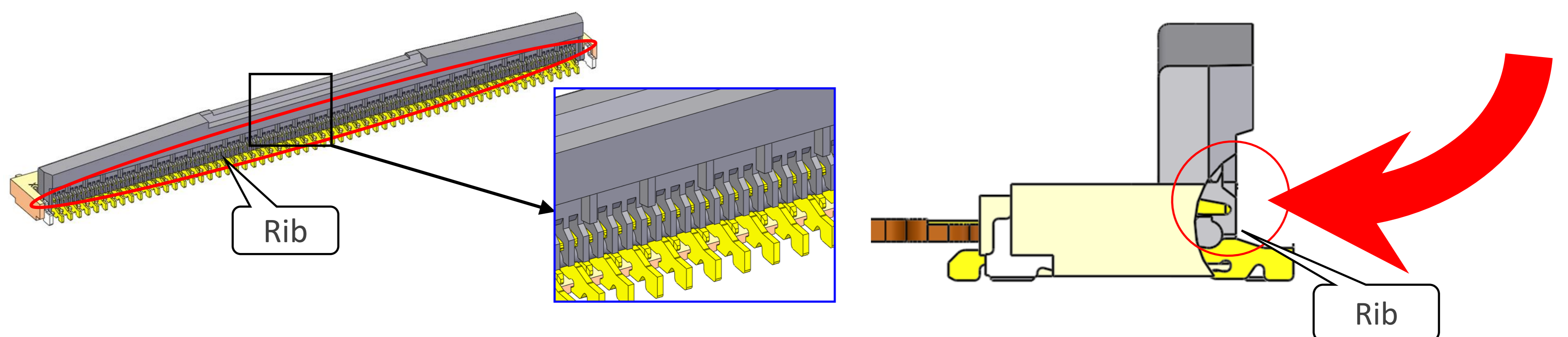
► Up to 120 positions with only 0.9 mm height



► Hold down to prevent actuator drop off



► Structure to prevent contact distortion



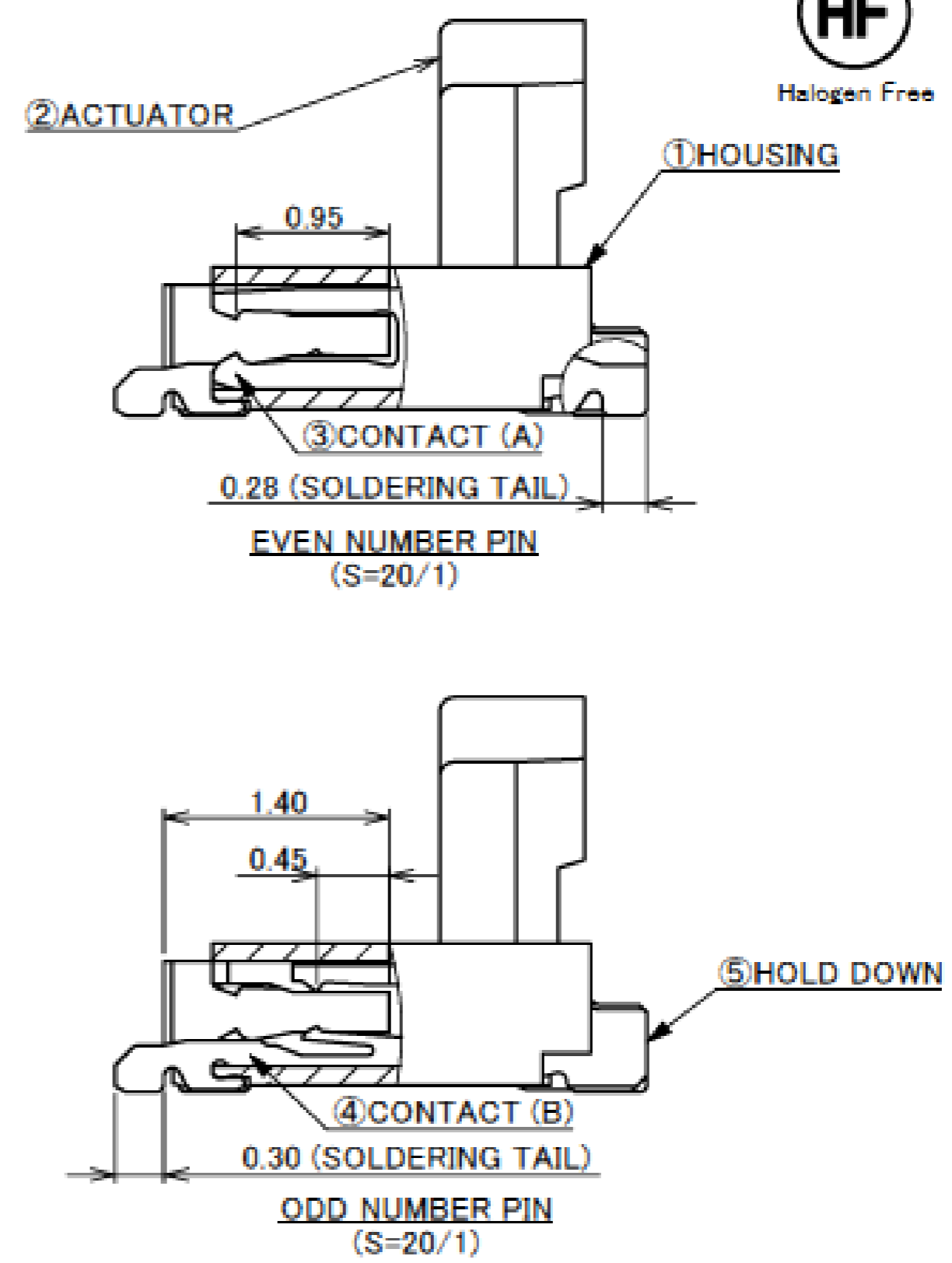
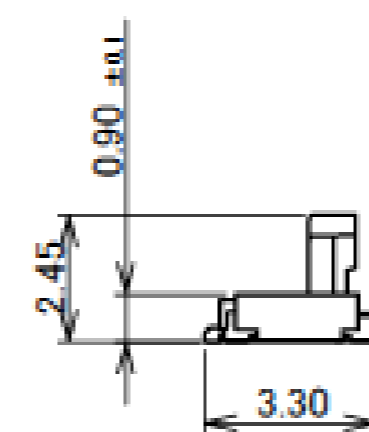
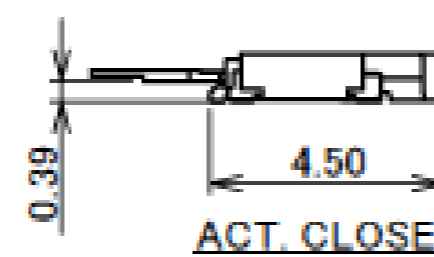
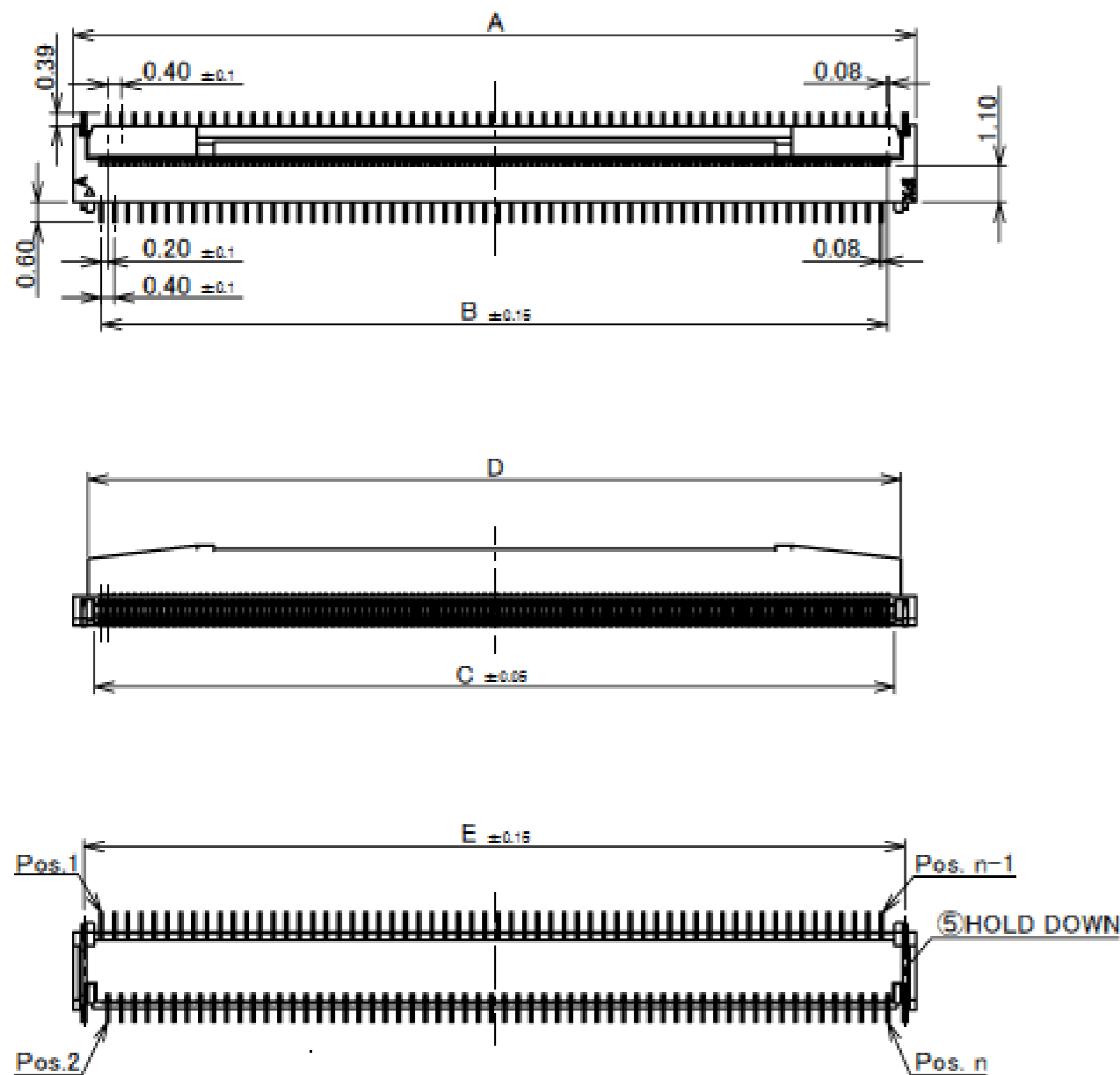
When opening the actuator, the rib will prevent the contacts from being pulled up.

Component Parts Details

Connector Assembly

Recommended P/N		20617-***E-01				
PART NO.	Pos.	A	B	C	D	E
20617-080E-01	80	17.50	15.80	16.22	16.60	16.85
20617-100E-01	100	21.50	19.80	20.22	20.60	20.85
◆20617-110E-01	110	23.50	21.80	22.22	22.60	22.85
20617-120E-01	120	25.50	23.80	24.22	24.60	24.85

◆MARK MEANS NOT AVAILABLE.



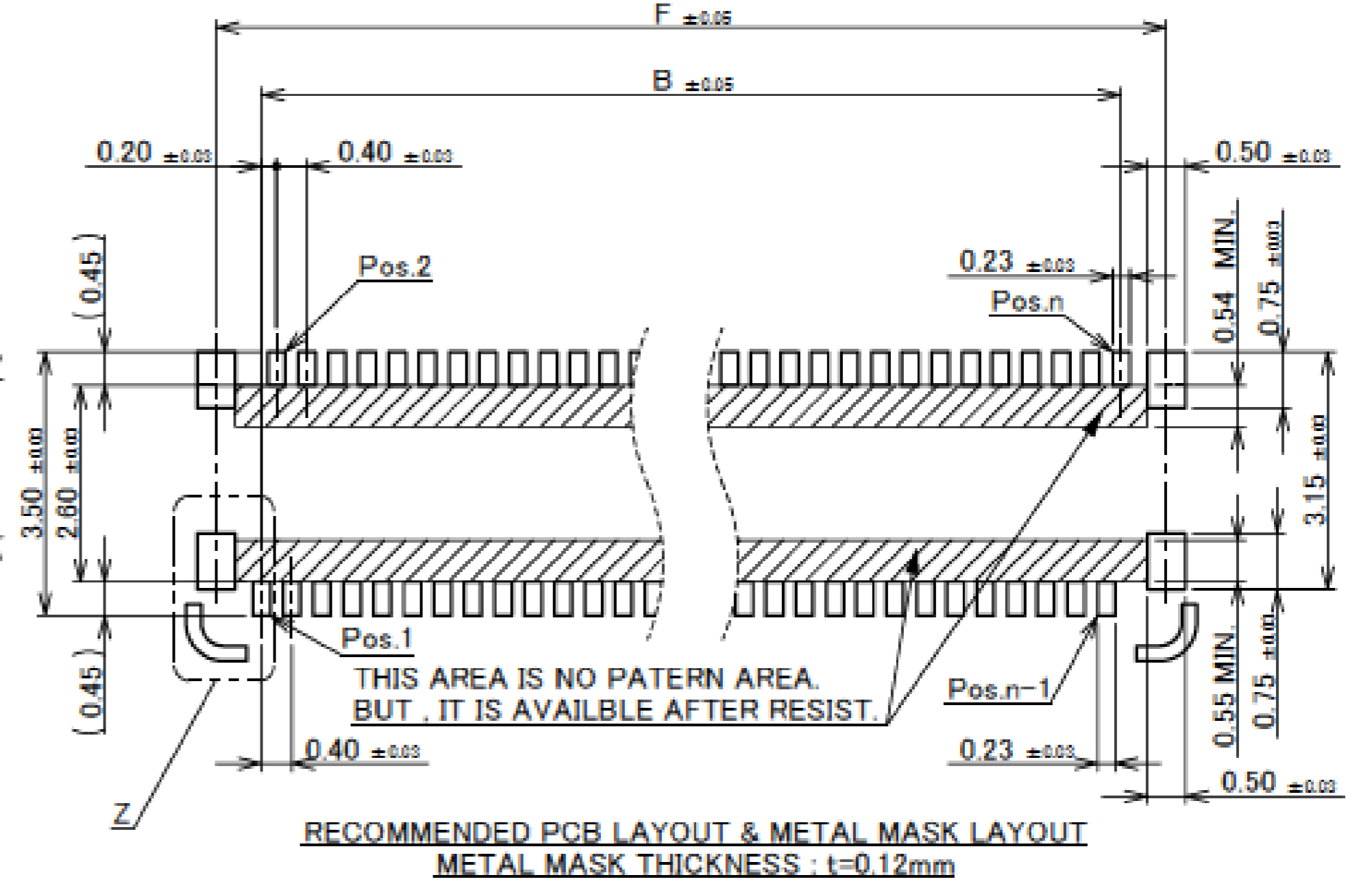
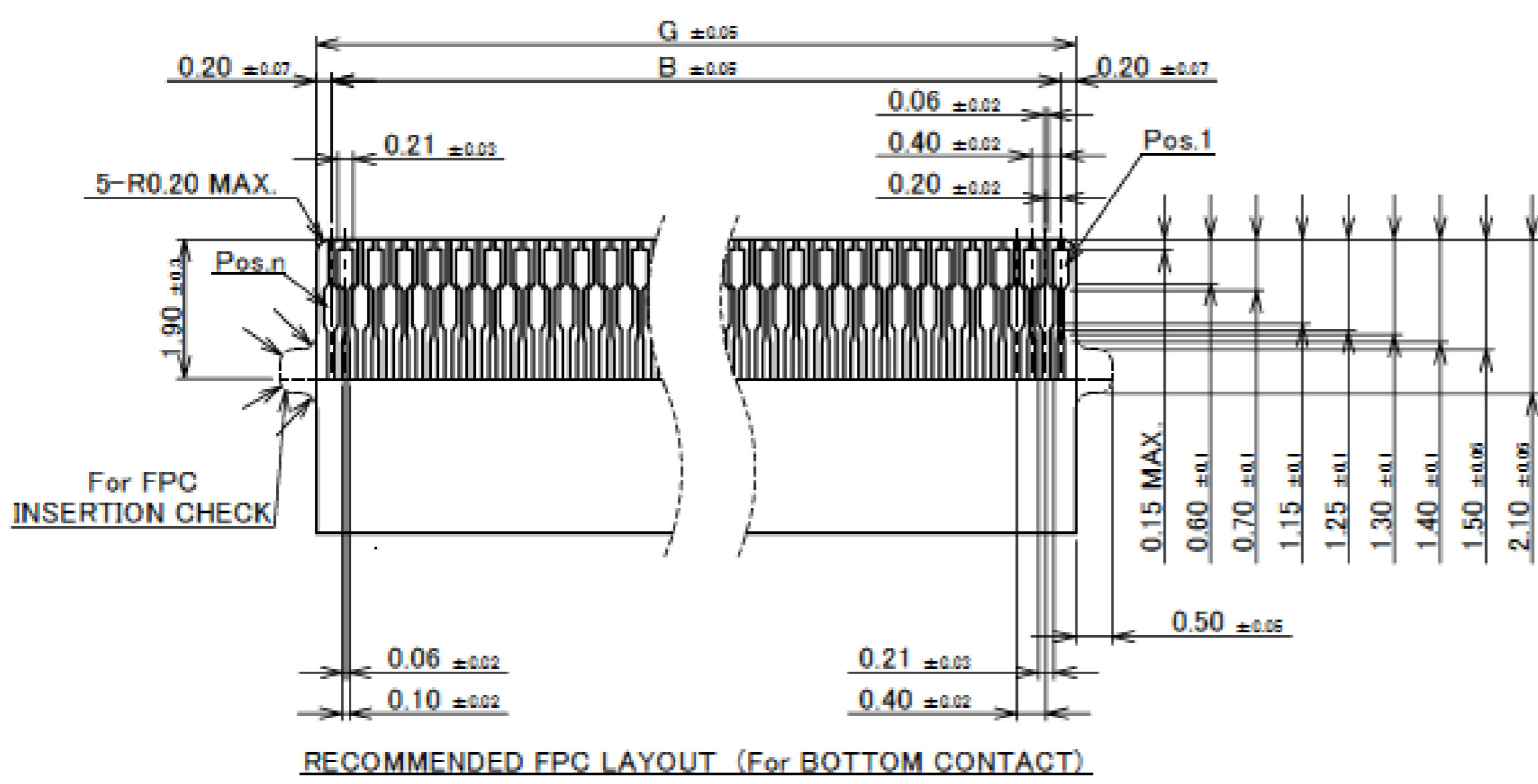
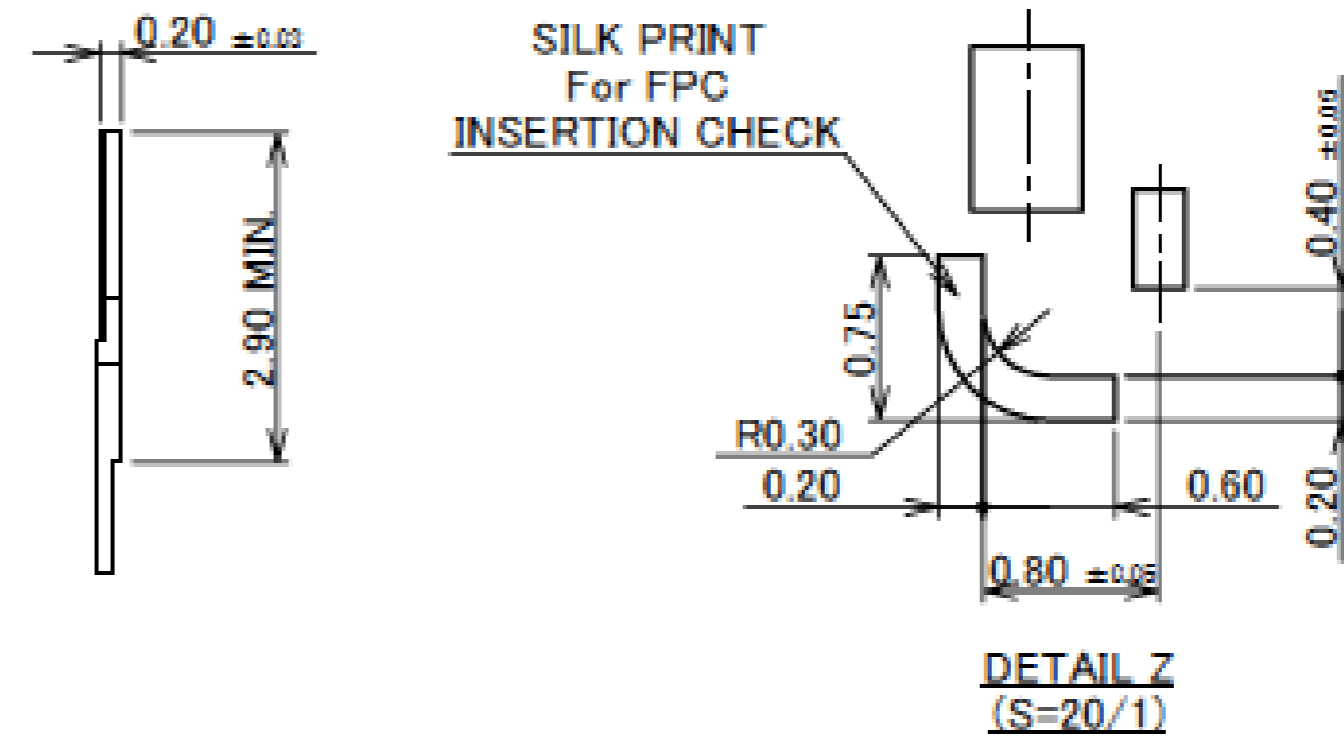
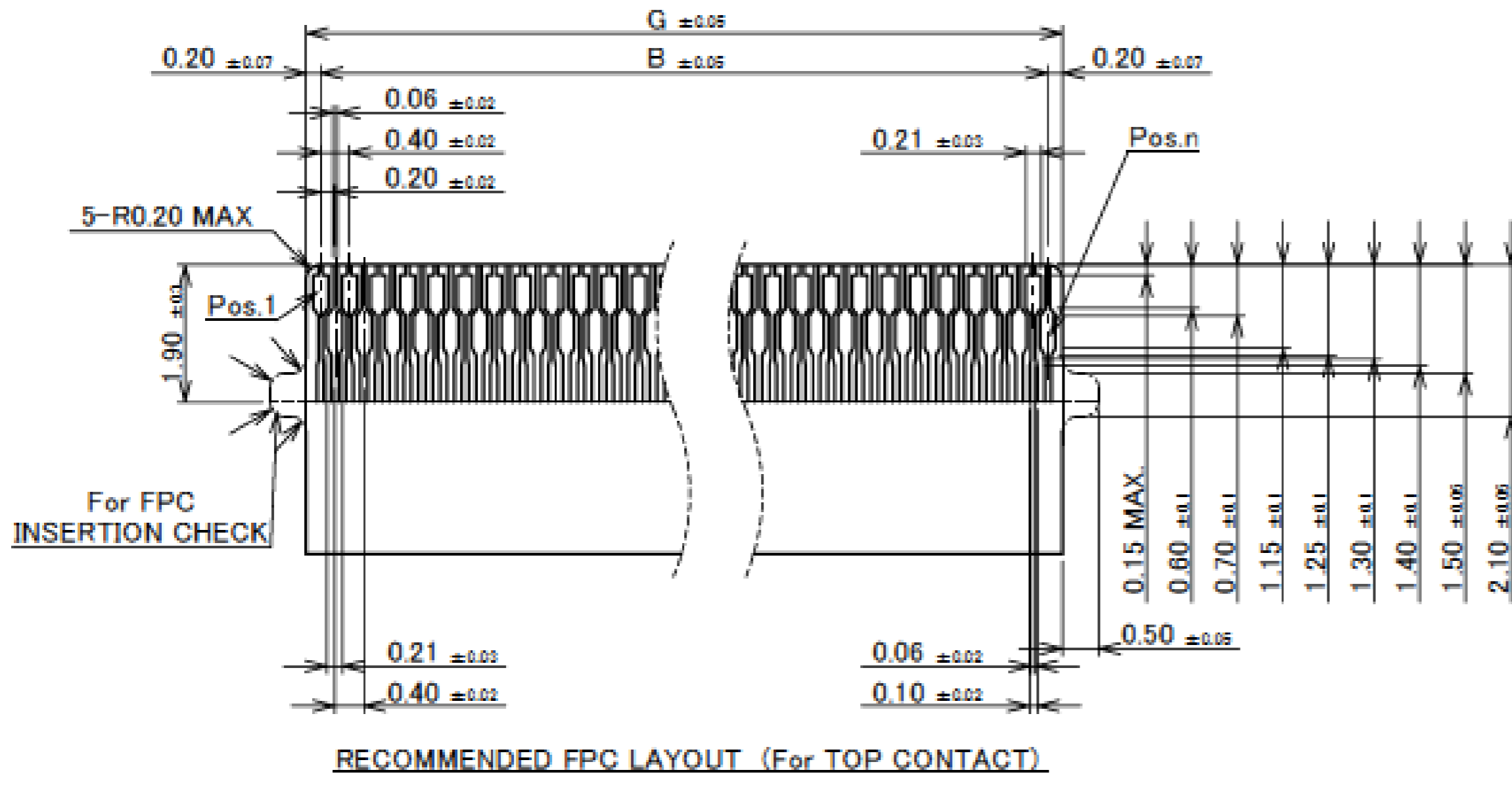
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
5	HOLD DOWN	BRASS	SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
4	CONTACT(B)	PHOSPHOR BRONZE	CONTACT AREA&SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
3	CONTACT(A)	PHOSPHOR BRONZE	CONTACT AREA&SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
2	ACTUATOR	LCP	UL94V-0,BLACK
1	HOUSING	LCP	UL94V-0,BEIGE

NOTES.
1. CONTACT POINT : TOP AND BOTTOM CONTACT.

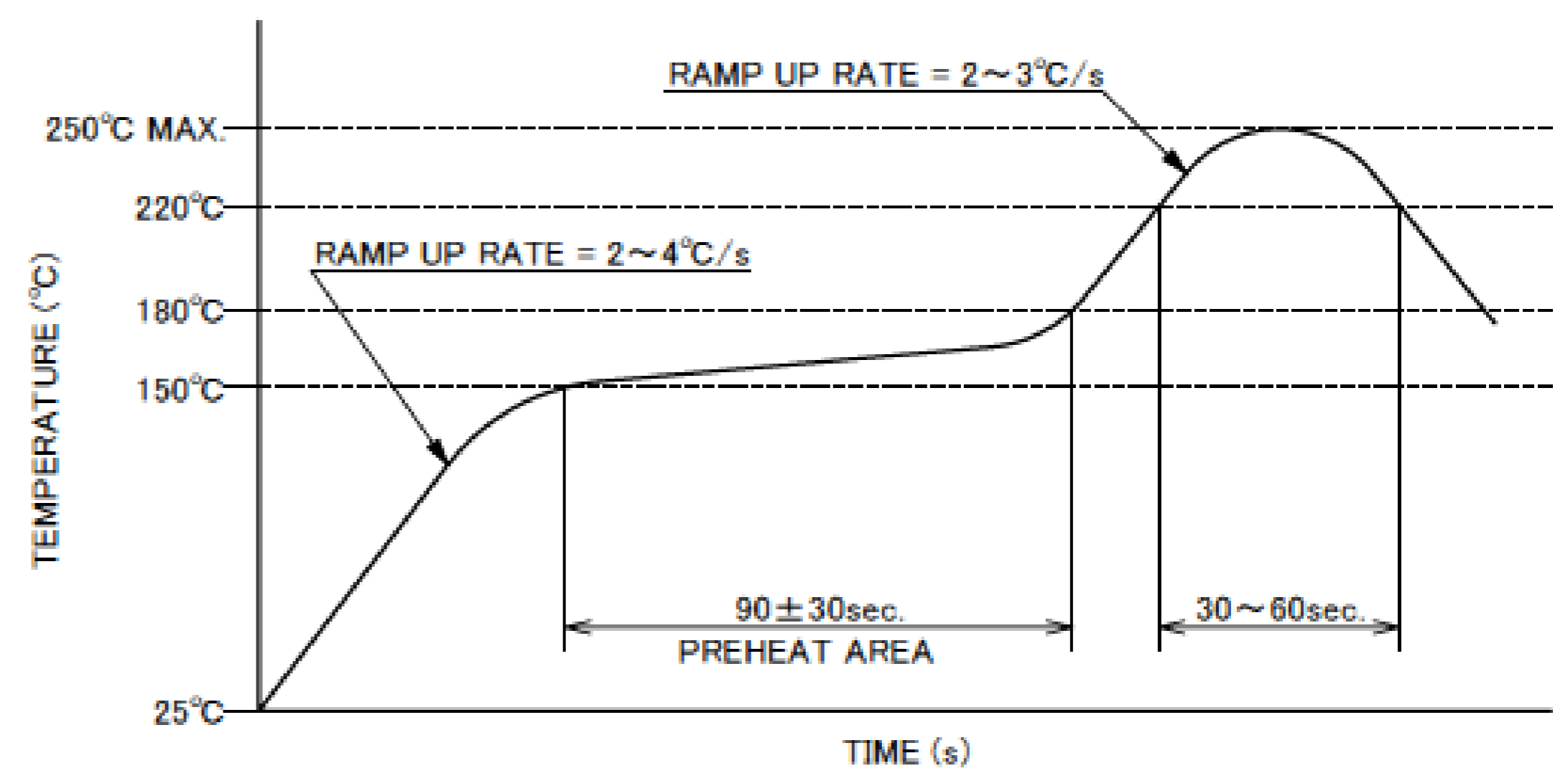
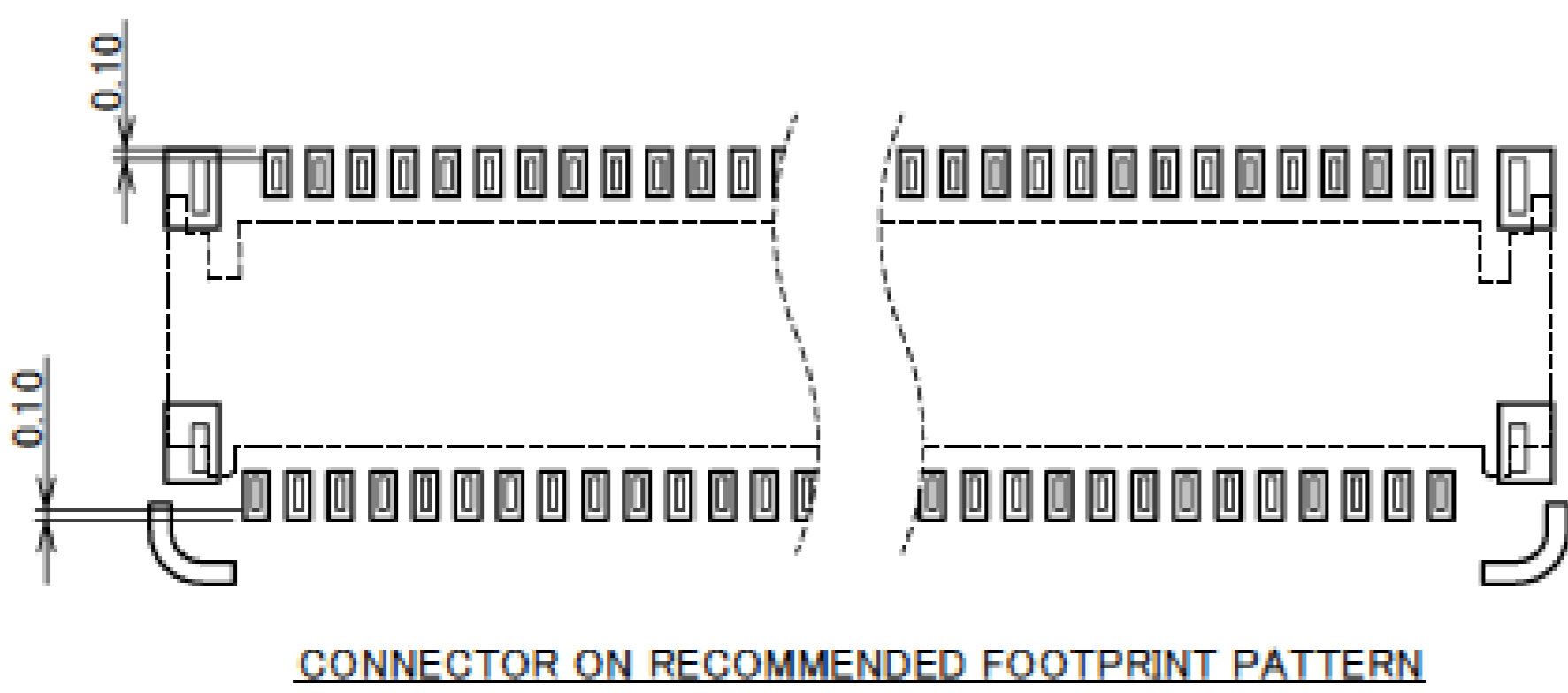
Connector Assembly

PART No.	Pos.	B	F	G
20617-080E-01	80	15.80	17.00	16.20
20617-100E-01	100	19.80	21.00	20.20
◆20617-110E-01	110	21.80	23.00	22.20
20617-120E-01	120	23.80	25.00	24.20

◆ MARK MEANS NOT AVAILABLE.



Rev.11



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

Rev.11

Connector Assembly

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT PIN)
RATING AMPERAGE	0.2A DC (PER CONTACT PIN)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 100mohm MAX. / AFTER TEST : \triangle 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 100Mohm MIN. / AFTER TEST : 100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC150V 1min
DURABILITY	20 CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL: 0.2N (20.4gf) \times n MAX. 20 CYCLES : 0.2N (20.4gf) \times n MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL: 0.014N (1.4gf) \times n MIN. 20 CYCLES : 0.014N (1.4gf) \times n MIN.
FPC RETENTION FORCE (INITIAL / 20TH CYCLES)	INITIAL: 0.2N (20.4gf) \times n MIN. 20 CYCLES : 0.2N (20.4gf) \times n MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2319
TEST REPORT	TR-16128
PACKING STANDARD	PST-16121
INSTRUCTION MANUAL	HIM-16031
APPEARANCE CRITERIA No.	QLS-A***

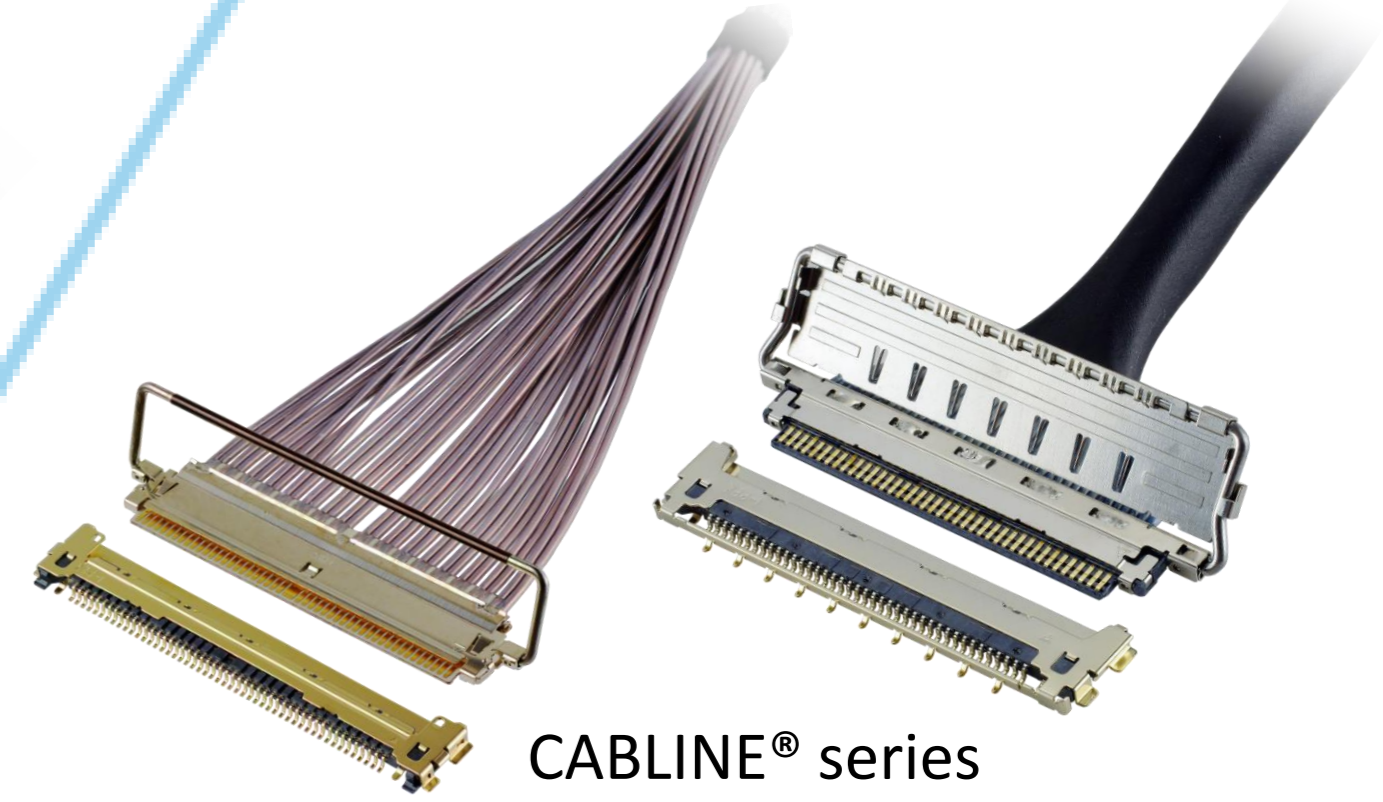
※ "n" IS THE NUMBER OF PIN

Rev.11

Custom Connectors Available

 RF Connectors

MHF® series



CABLIN® series

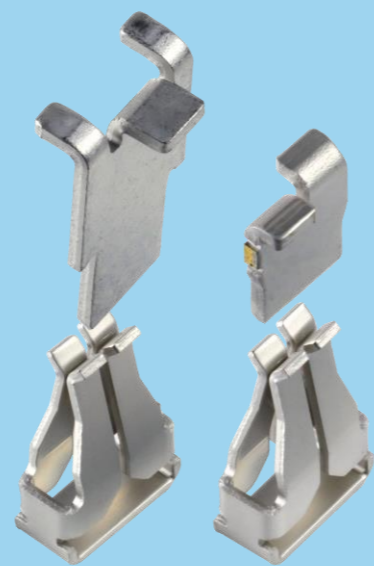


Micro-coaxial/Twinax Connectors

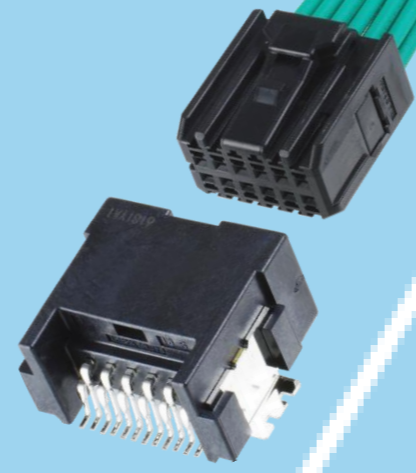


Wire-to-Board Connectors/Terminals

AP series



ISH® series



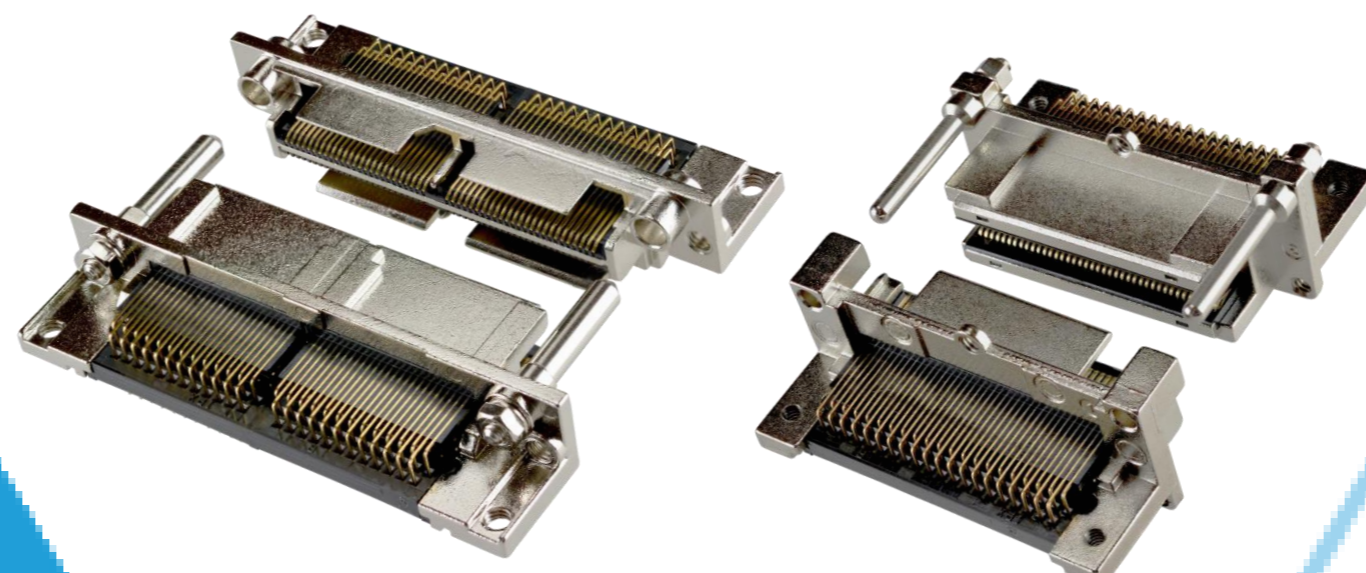
NOVASTACK® series



Board-to-Board Connectors



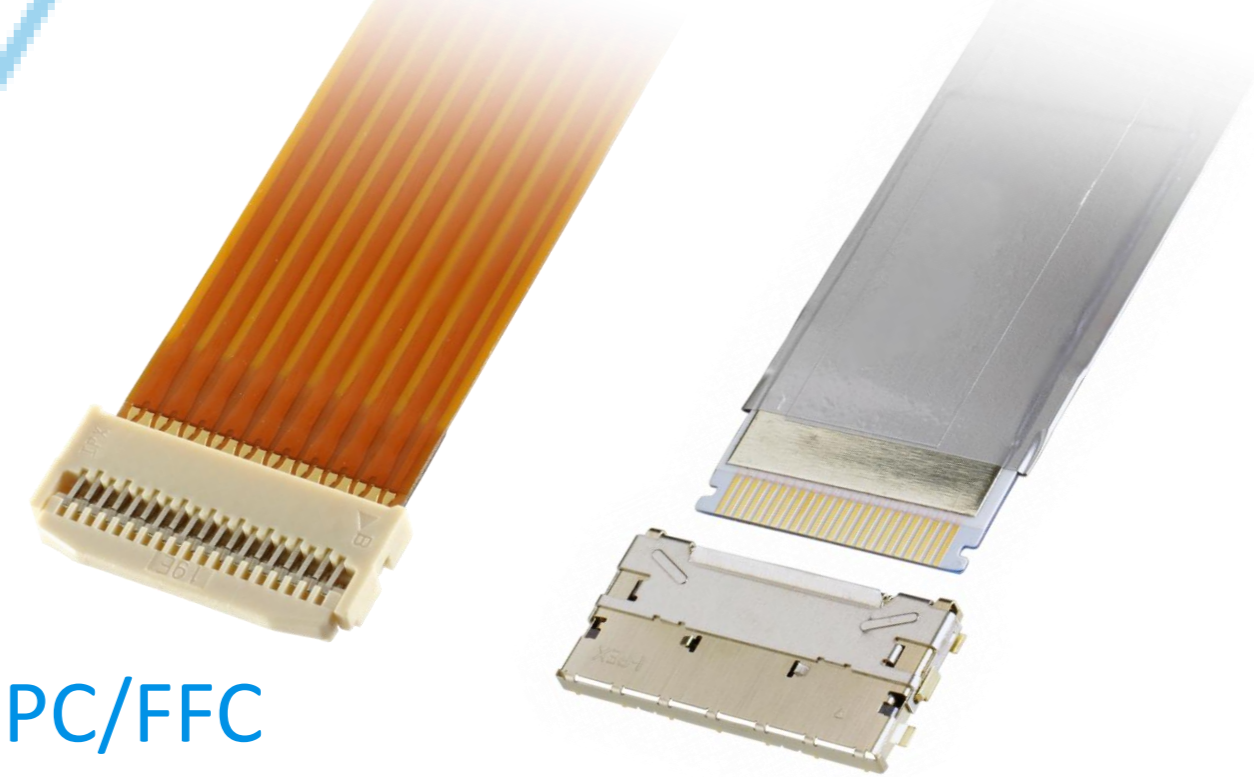
I/O Connectors



MINIDOCK™ series

MINIFLEX® series

EVAFLEX® series



FPC/FFC Connectors



Inquiry



I-PEX, MHF, CABLINE, NOVASTACK, ISH, IARPB, MINIFLEX, EVAFLEX, MINIDOCK and ZenShield are registered trademarks of I-PEX Inc. Please note that the contents in the catalog might be changed without prior notification. I-PEX Inc. assumes no responsibility for any inaccuracies or obligation to update information on these documents. Please be sure to read and understand the latest "Precautions for Use" and "Instruction Manual" before you use our products. We shall not be responsible for any defects, damages or troubles in case you use our products without following the precautions for use. Please feel free to contact our sales representatives when you use our products for any applications that require very high reliability and safety, or that relate to human life (ex. nuclear power control, aerospace, transportation, medical equipment, safety equipment etc.).

Contact your sales representative or more detailed information.

www.i-pex.com



I-PEX

© I-PEX Inc. 2025
All rights reserved