

MINIFLEX® 3-BFNH L-HD

0.3 mm pitch, Horizontal mating, Backflip, Hold down type, with long actuator, (Height =0.9 mm)

Product Specifications:

Board Pitch (mm)	0.3	
Wiping Length (mm)	Contact A: 0.90	
	Contact B: 0.45	
Size (mm)	Height	0.90 +/- 0.10
	Width	Formula: 1.5 + (0.3*p)
	Depth	Open: 2.55 Close: 3.50
Pin counts	Range	7-71 (odd)
	Available	39,61

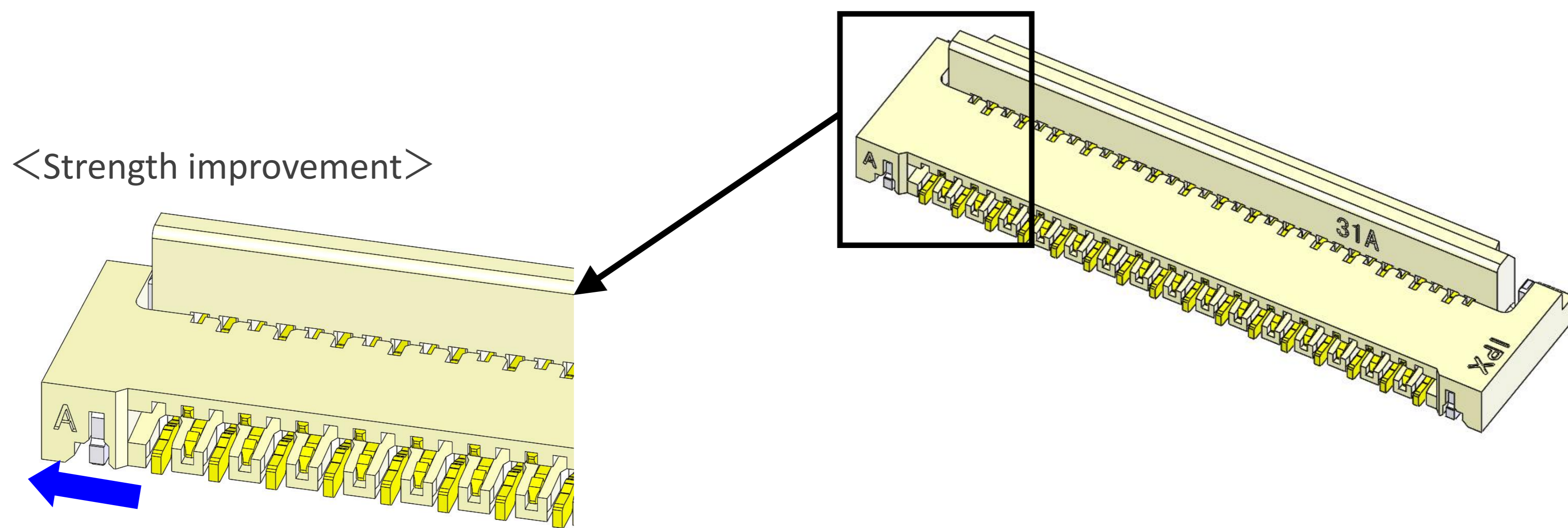
Applicable FPC/FFC:

FPC/FFC Contact Pitch	0.3
FPC/FFC Contact Point	Top and Bottom
FPC/FFC Thickness (mm)	0.2 +/- 0.03

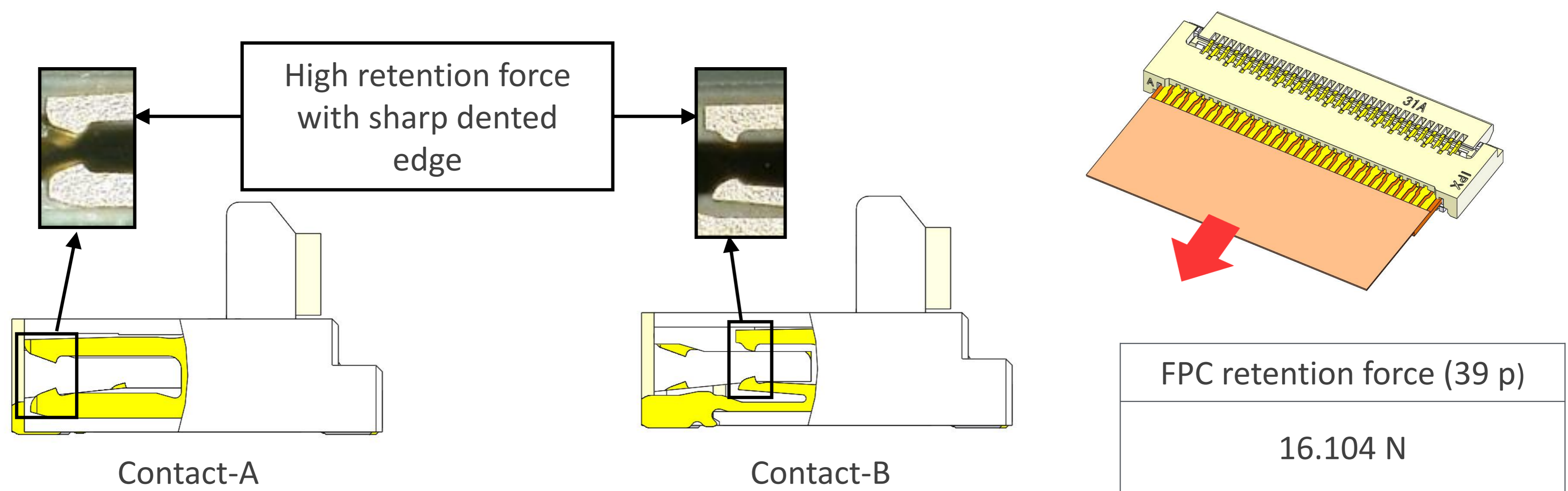
* Please inquire for pin counts not listed or outside of the pin count range.



► Hold down to improve strength of side wall



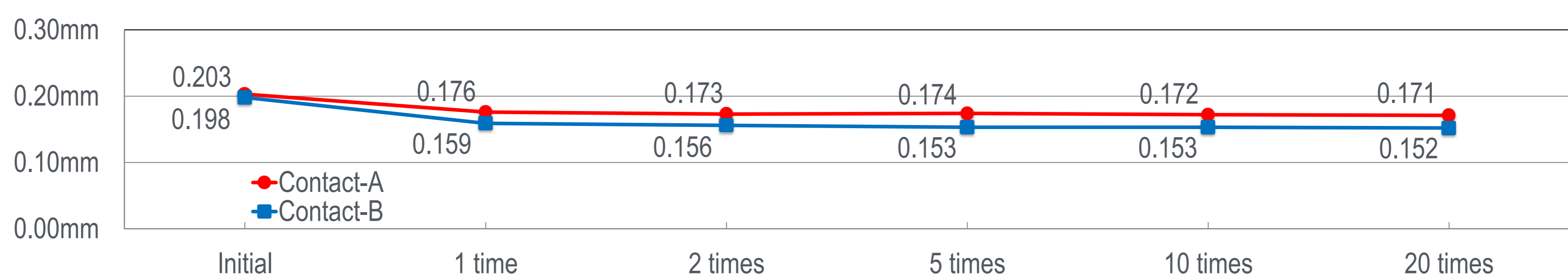
► Designed with sharp edge for stronger FPC retention force



► Usability for closing actuator without FPC

The connector will still function even if the actuator is accidentally closed without the FPC being inserted after the SMT process

- Connector will still function reliably (contact gap graph 39 pins before and after operating actuator without FPC inserted)

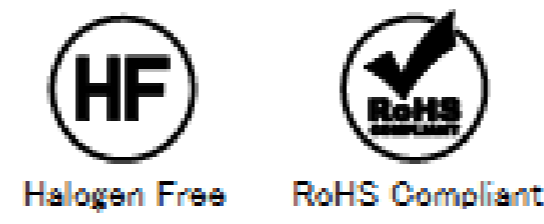
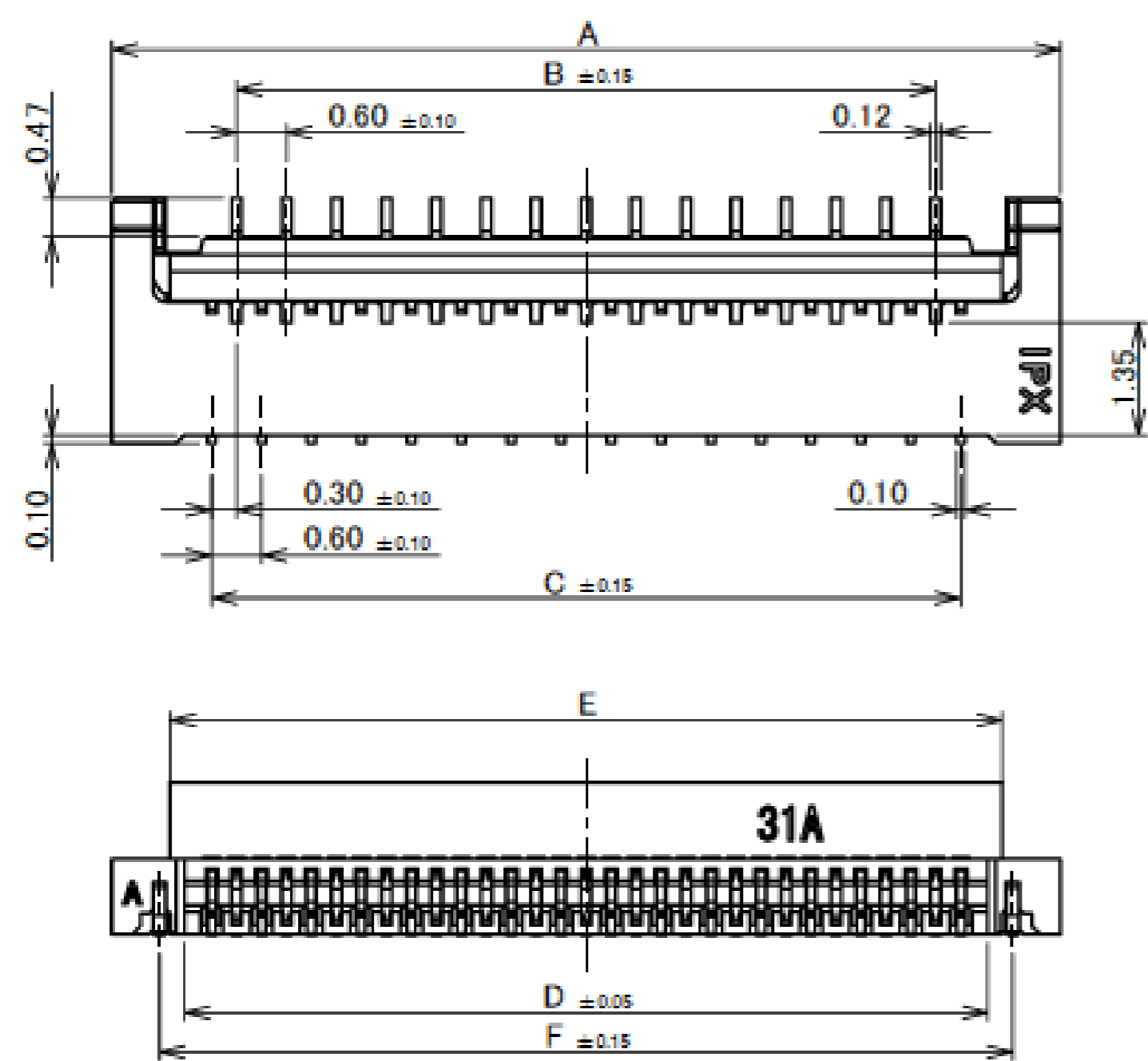


- Insertion force of connector goes up
- Retention force of connector does not change greatly

Component Parts Details

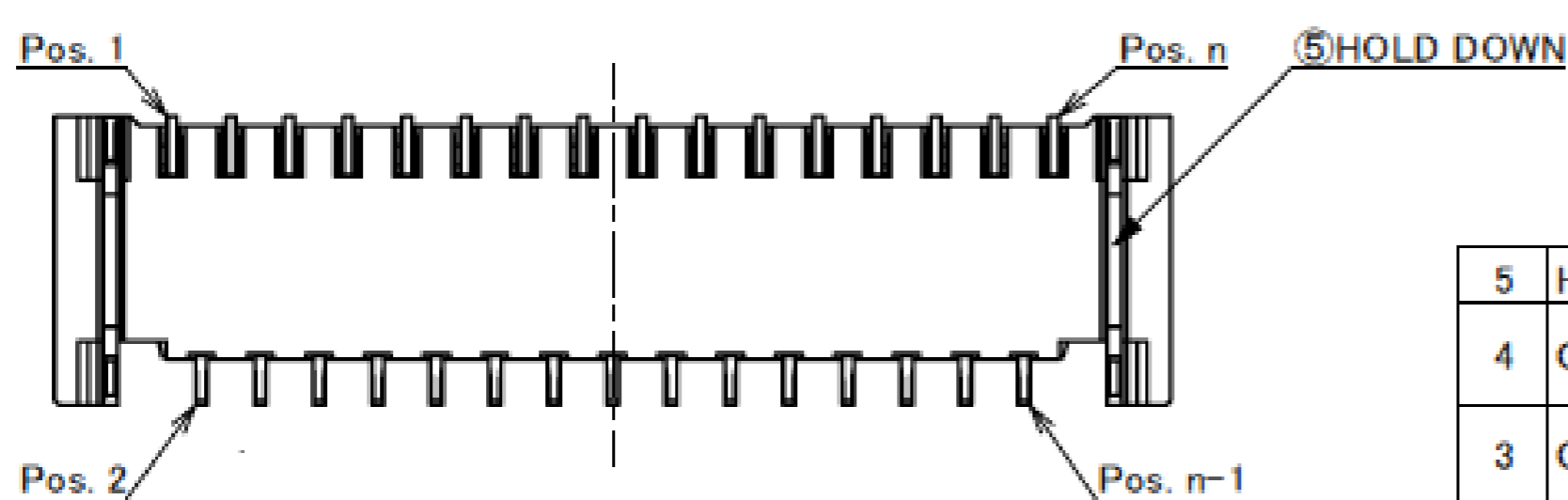
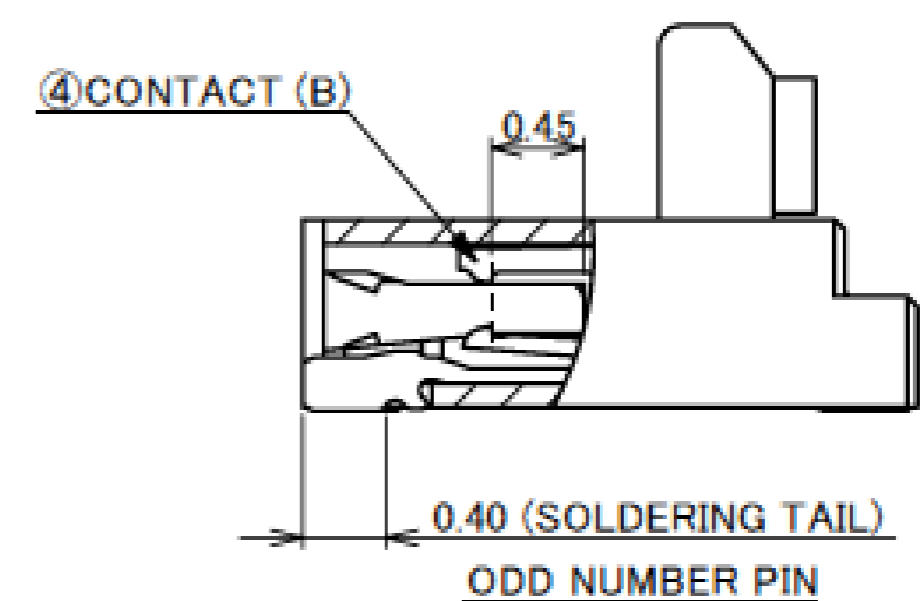
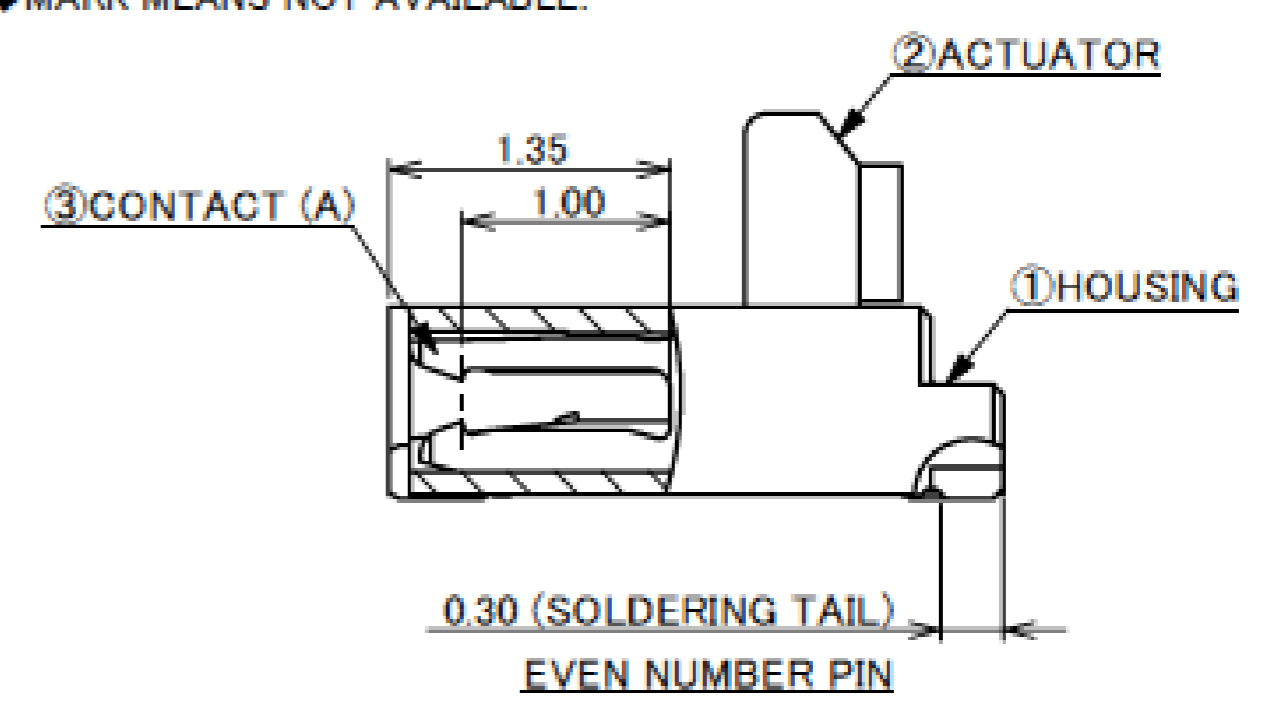
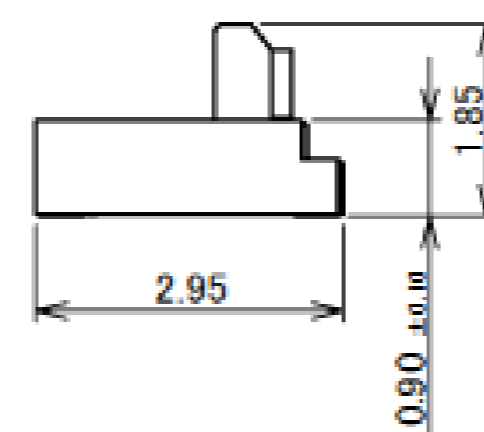
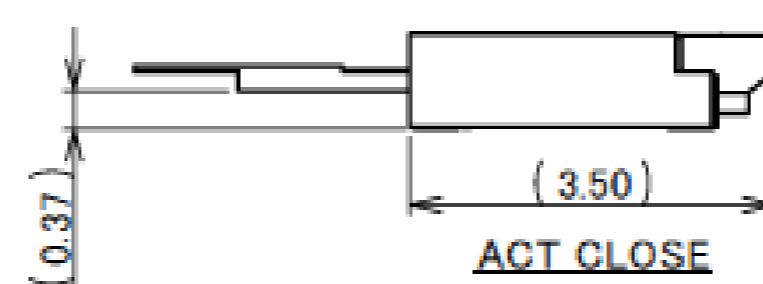
Connector Assembly

Recommended P/N 20660-0**E-01



PART No.	Pos.	A	B	C	D	E	F
◆20660-031E-01	31P	11.40	8.40	9.00	9.65	10.00	10.25
20660-039E-01	39P	13.80	10.80	11.40	12.05	12.40	12.65
20660-061E-01	61P	20.40	17.40	18.00	18.65	19.00	19.25
◆20660-071E-01	71P	23.40	20.40	21.00	21.65	22.00	22.25

◆MARK MEANS NOT AVAILABLE.



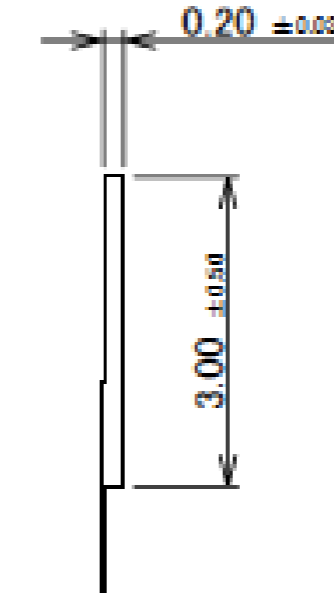
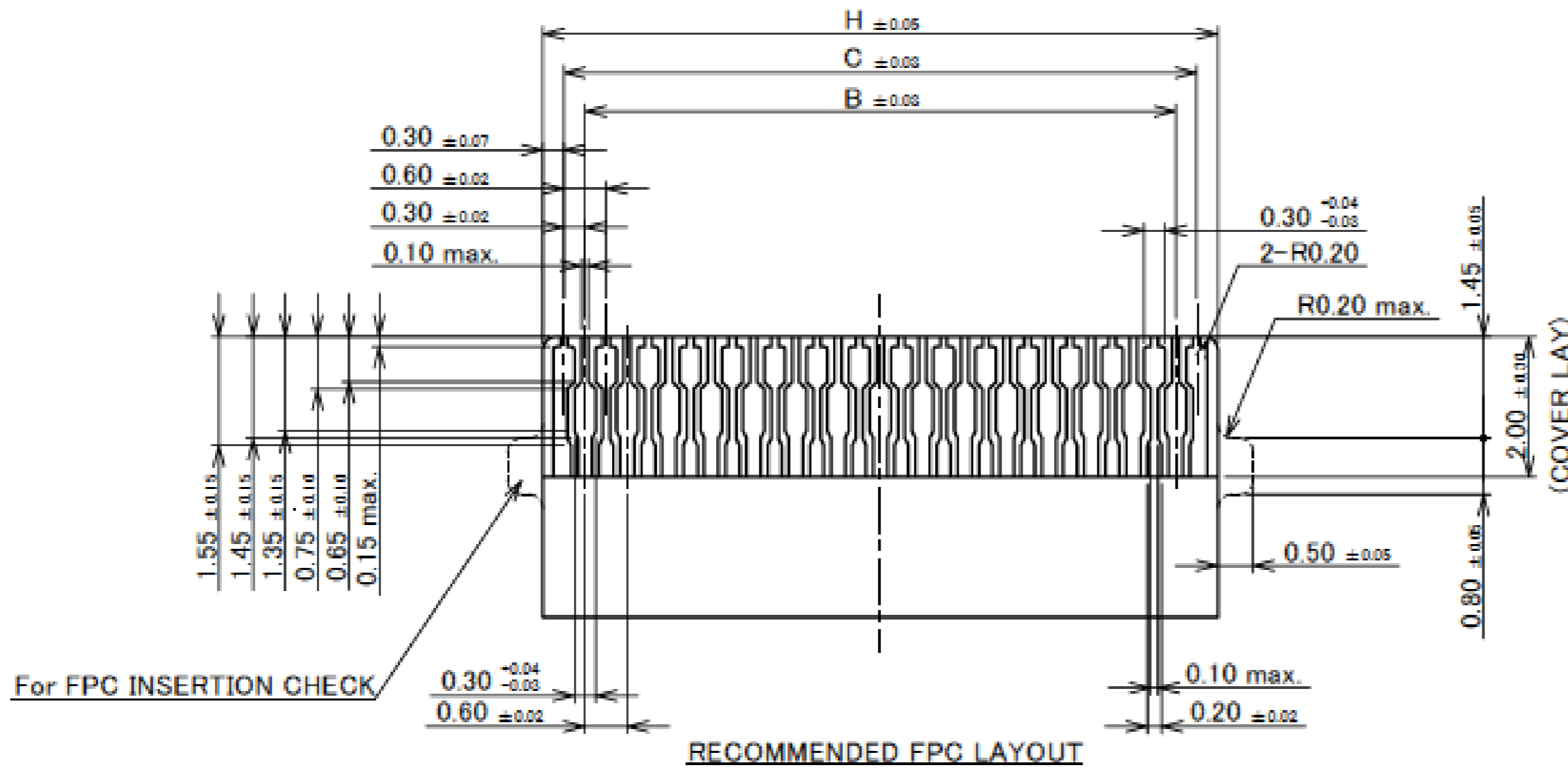
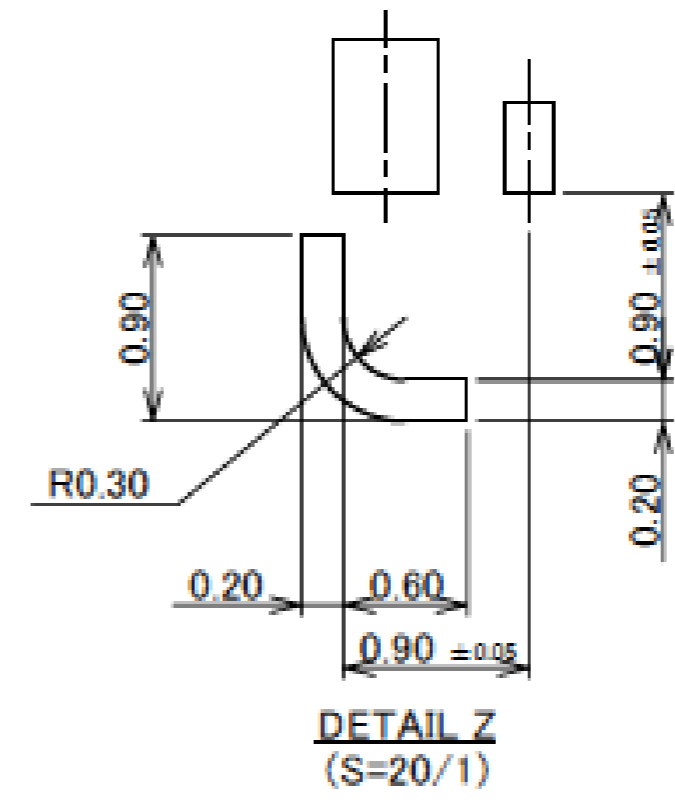
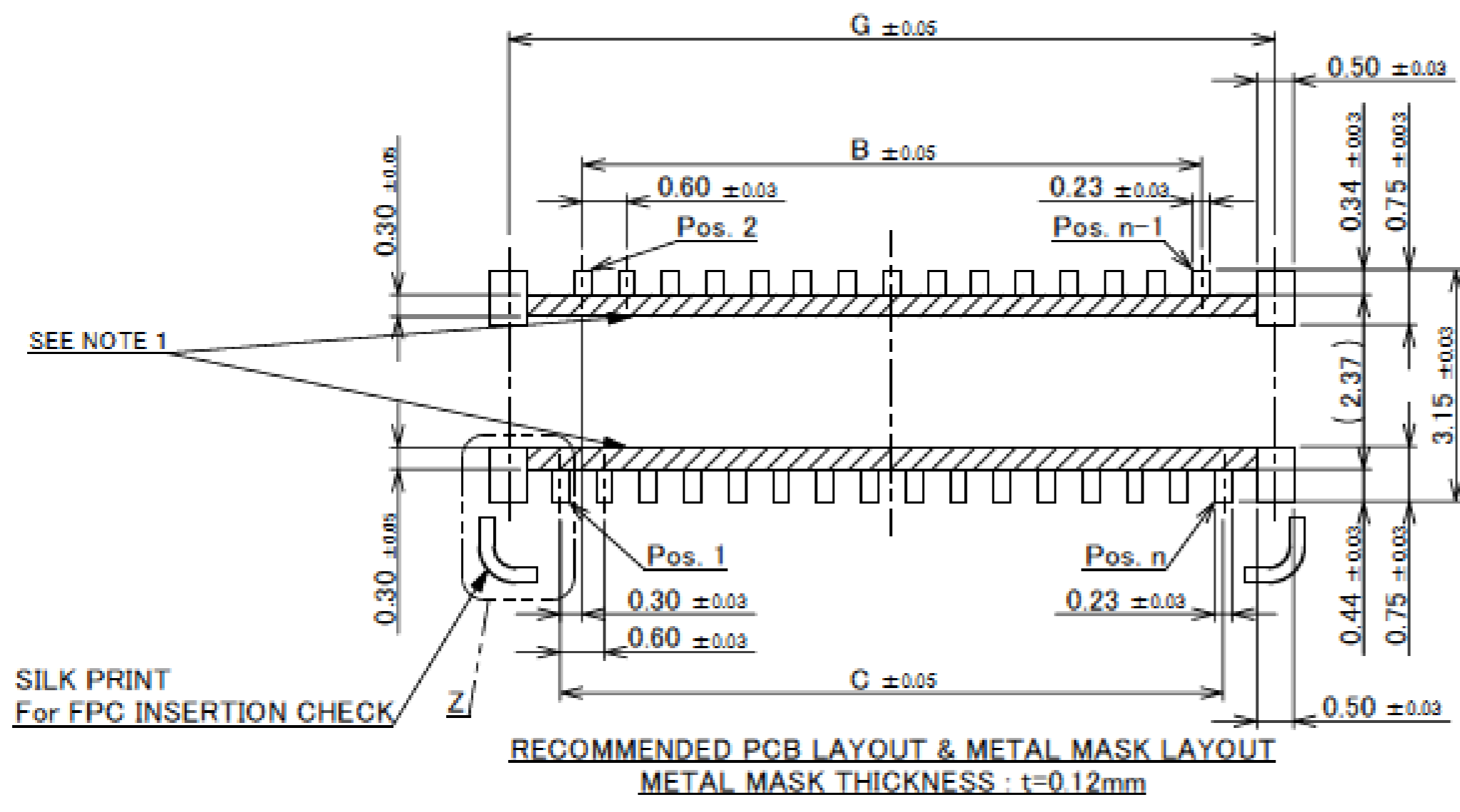
NOTE
1. CONTACT POINT: TOP AND BOTTOM CONTACT

NO.	DISCRIPTION	MATERIAL	REMARKS
5	HOLD DOWN	BRASS	
4	CONTACT(B)	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μm MIN. OVER Ni 1.0 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.0 μm MIN.
3	CONTACT(A)	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μm MIN. OVER Ni 1.0 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.0 μm MIN.
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSING	LCP	UL94V-0, BEIGE

Connector Assembly

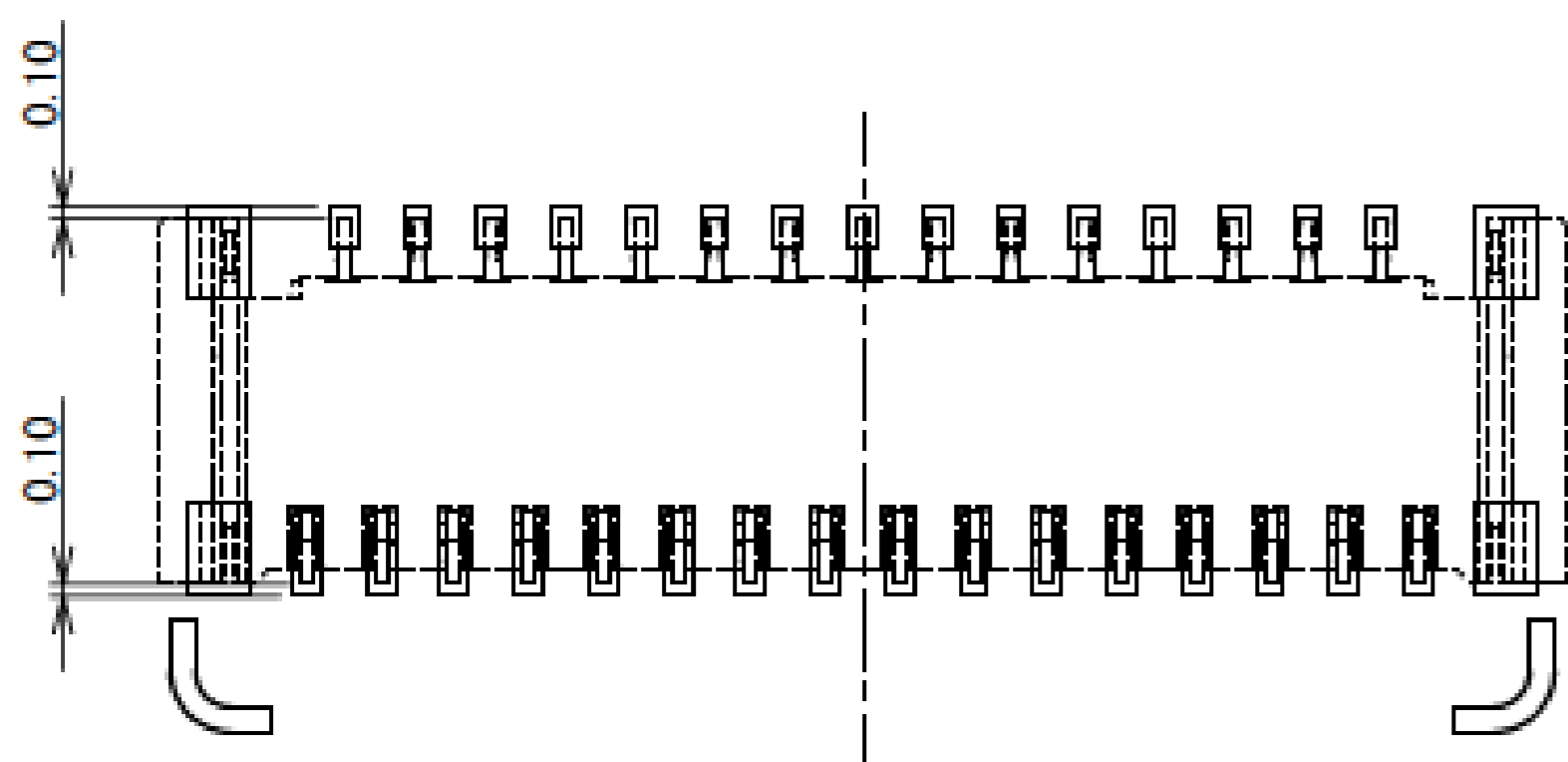
PART No.	Pos.	B	C	G	H
◆20660-031E-01	31P	8.40	9.00	10.40	9.60
20660-039E-01	39P	10.80	11.40	12.80	12.00
20660-061E-01	61P	17.40	18.00	19.40	18.60
◆20660-071E-01	71P	20.40	21.00	22.40	21.60

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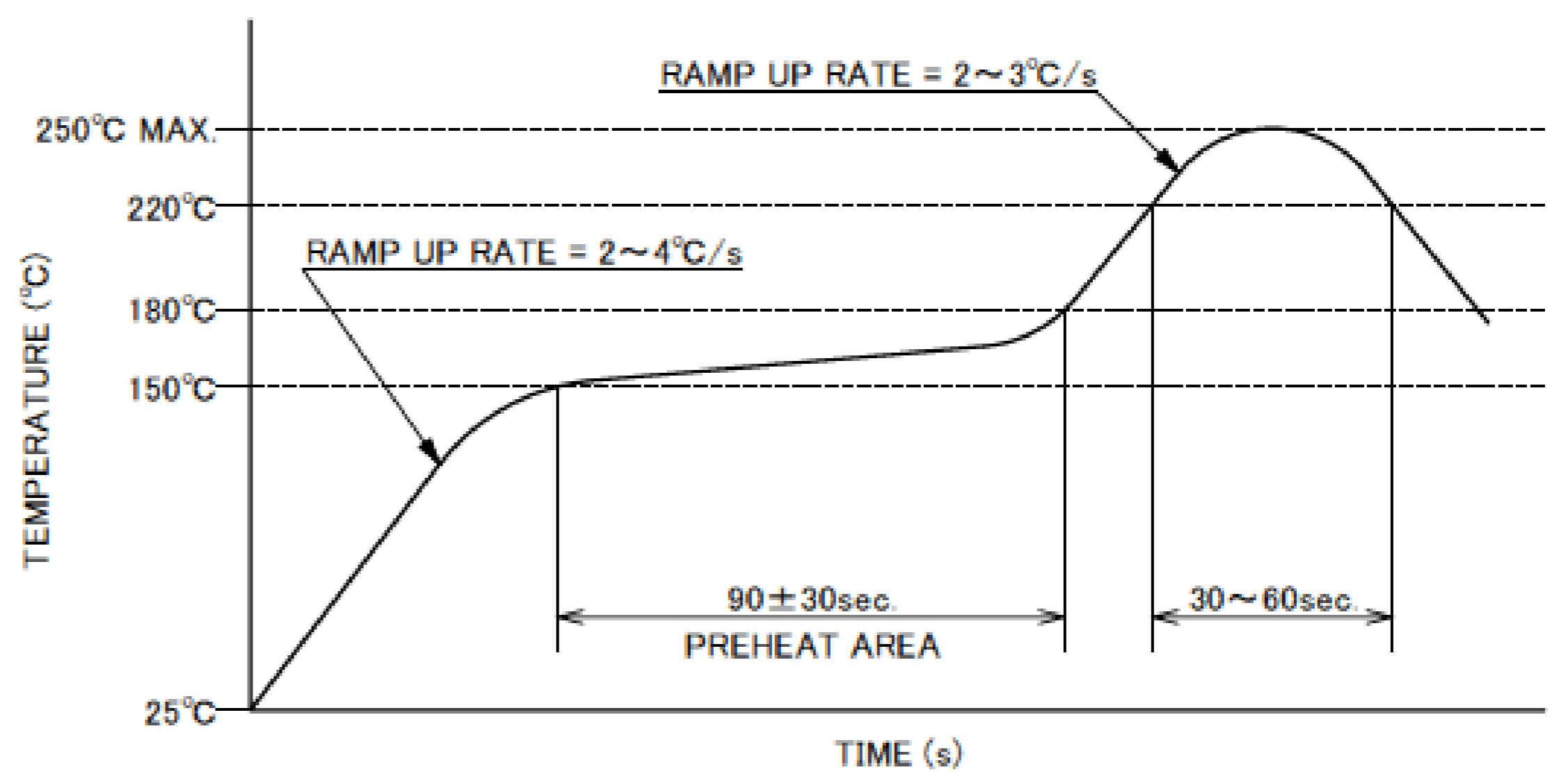


NOTE
1. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

Rev.11



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



Connector Assembly

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC/DC (PER CONTACT PIN)
RATING AMPERAGE	0.3A DC (PER CONTACT PIN)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : \leq 40mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20TH CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL : 0.245N(24.5gf) \times n MAX. / 20TH CYCLES : 0.245N(24.5gf) \times n MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL : 0.014N(1.4gf) \times n MIN. / 20TH CYCLES : 0.014N(1.4gf) \times n MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL : 0.13N(13gf) \times n MIN. / AFTER TEST : 0.10N(10gf) \times n MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2073
TEST REPORT	TR-15025
PACKING STANDARD	PST-15042
INSTRUCTION MANUAL	HIM-14004
APPEARANCE CRITERIA No.	QLS-A***

※ "n" IS THE NUMBER OF PIN



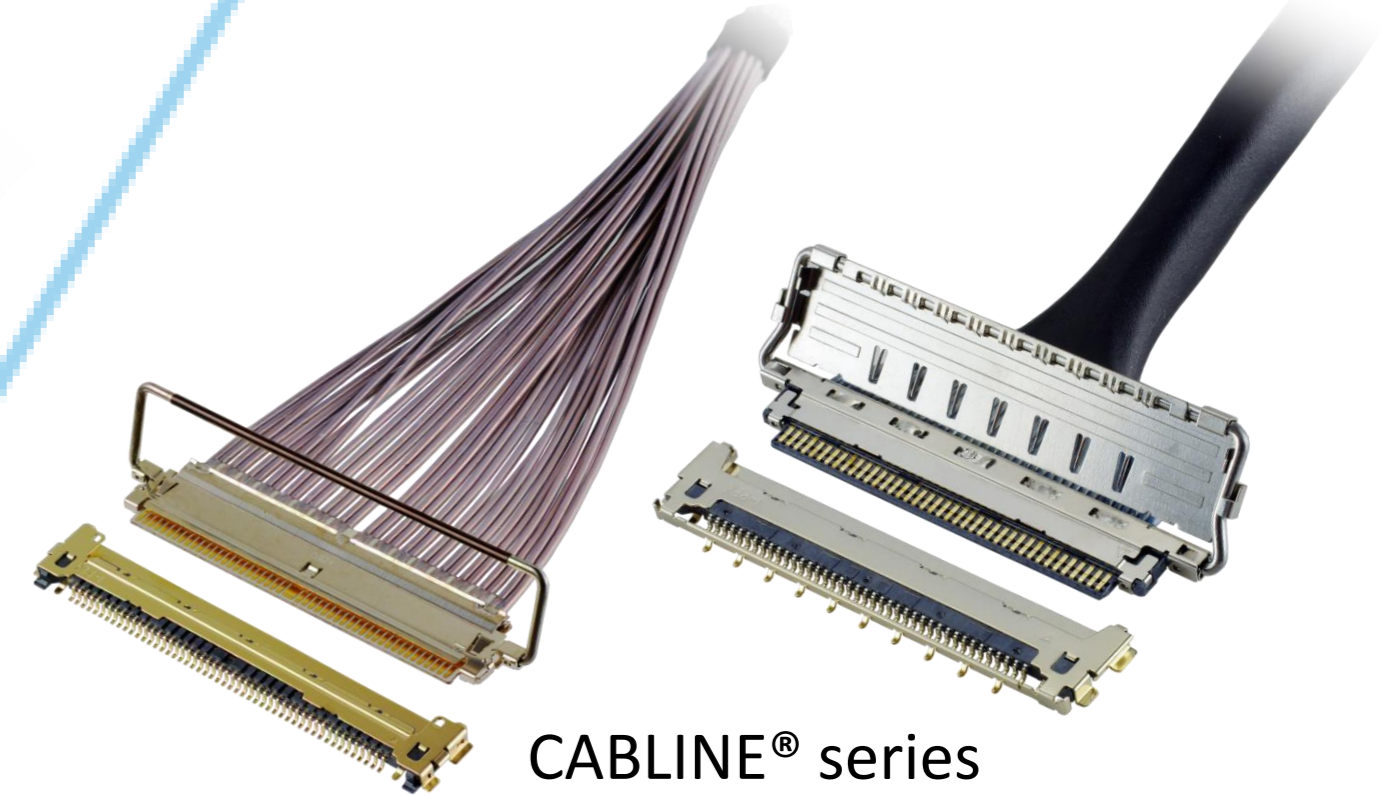
CAUTION

PLEASE BE SURE TO READ AND UNDERSTAND "INSTRUCTION MANUAL" BEFORE YOU USE OUR PRODUCTS.

Custom Connectors Available

 RF Connectors

MHF® series



CABLIN® series



Micro-coaxial/Twinax Connectors

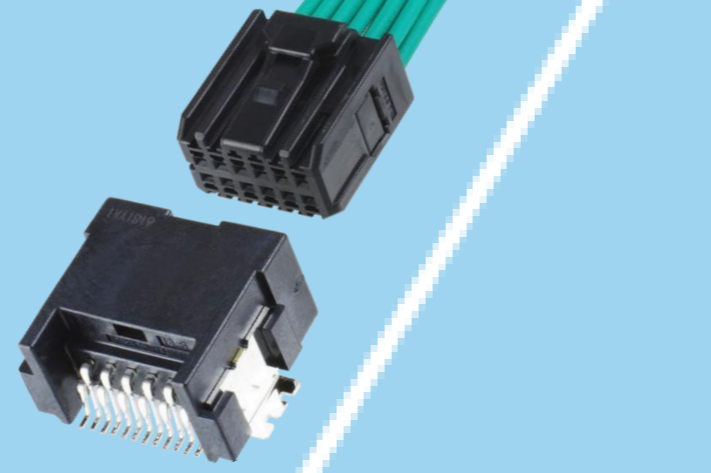


Wire-to-Board Connectors/Terminals

AP series



ISH® series



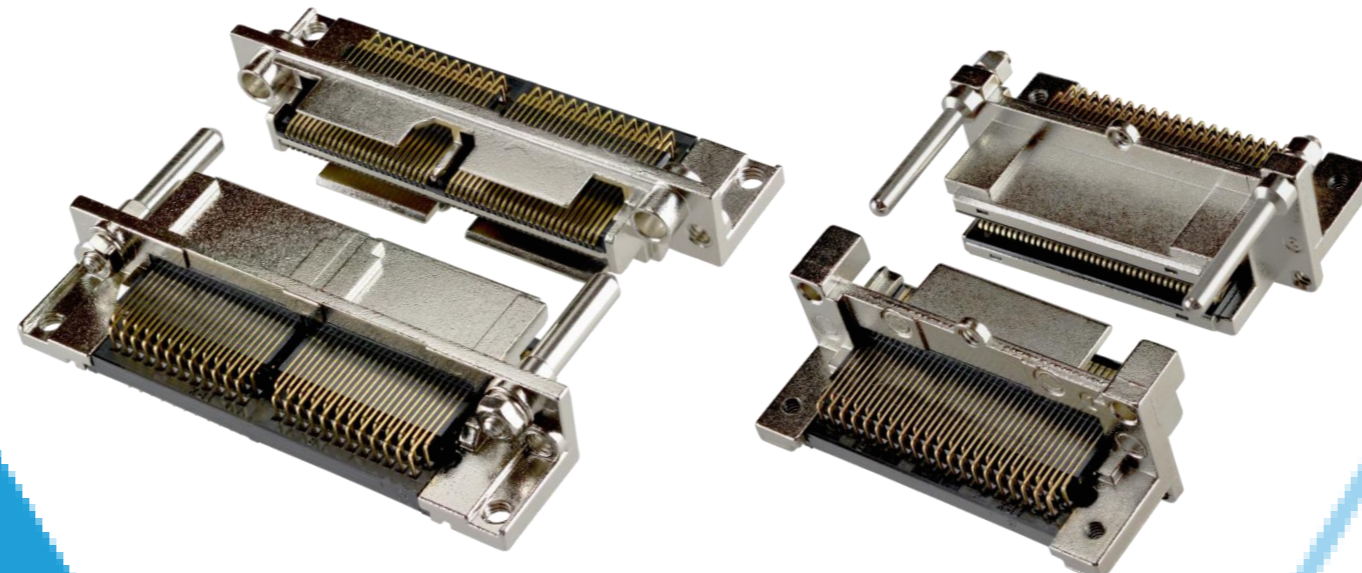
NOVASTACK® series



Board-to-Board Connectors



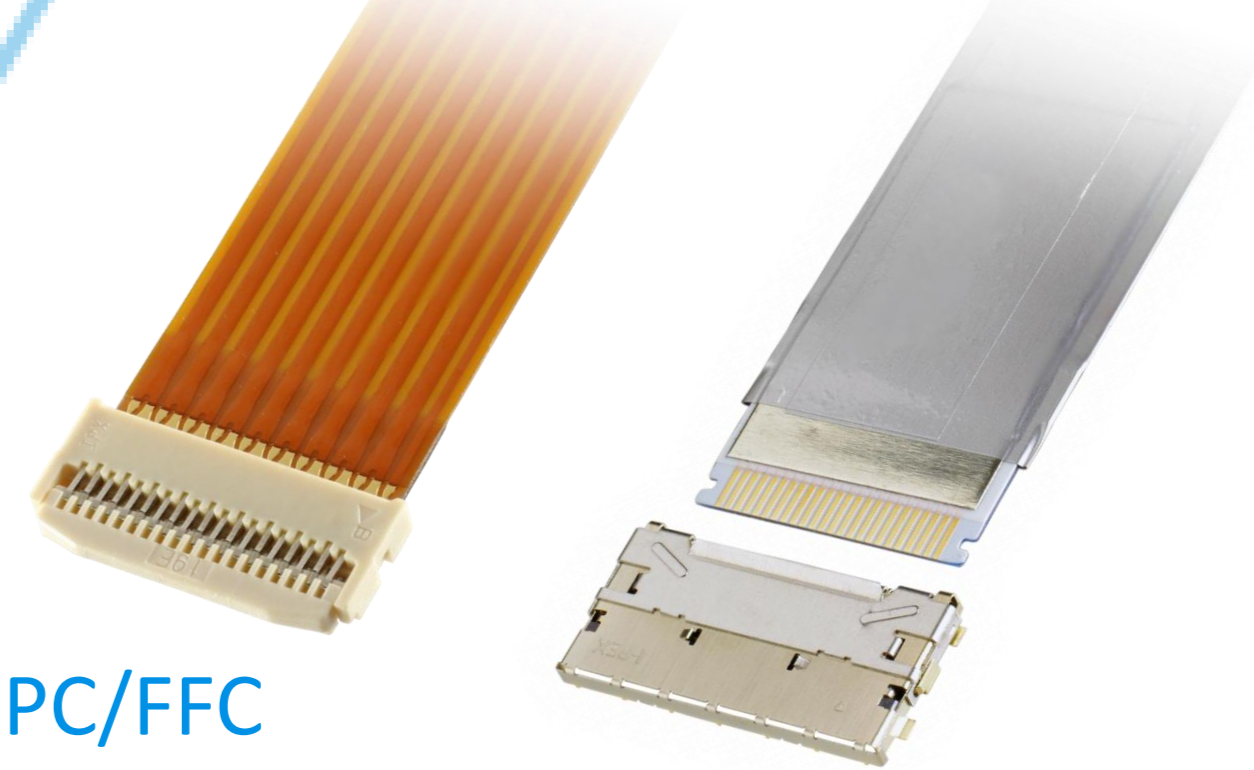
I/O Connectors



MINIDOCK™ series

MINIFLEX® series

EVAFLEX® series



FPC/FFC Connectors



Inquiry



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