

MINIFLEX® 3-BFNH L-HD

保持力加强，坚固的hold down 设计,较长钢琴盖,
低背(高度= 0.9 mm), 0.3 mm间距, 水平插拔, 后锁式

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

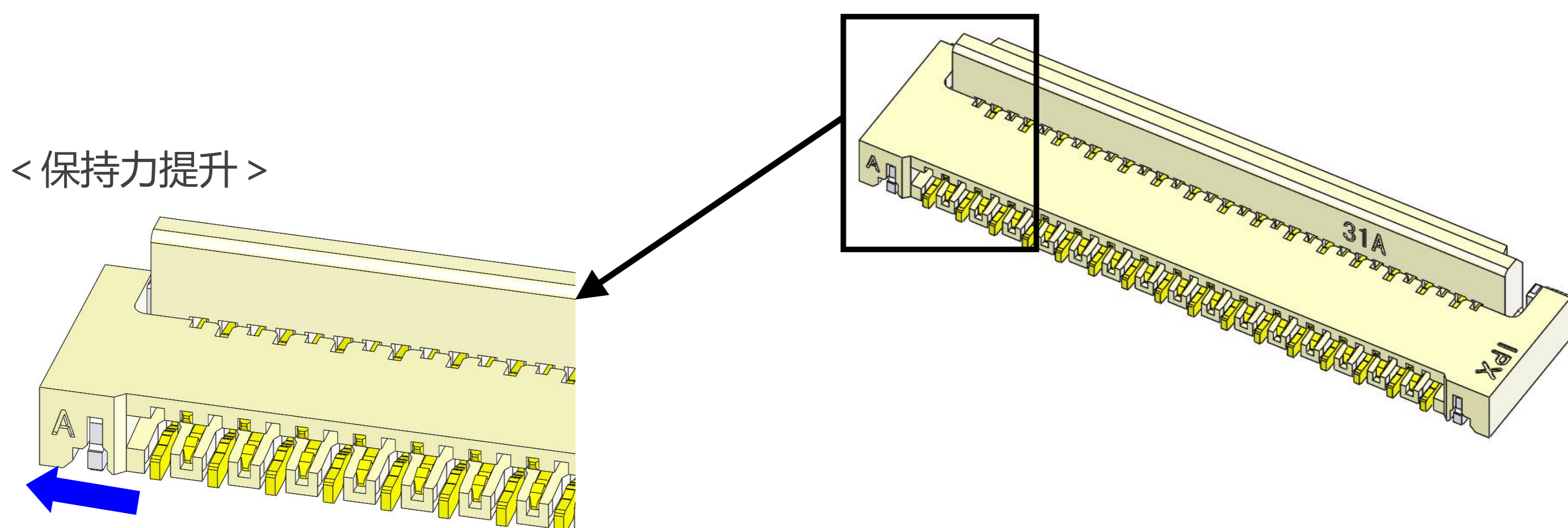
Applicable FPC/FFC:

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

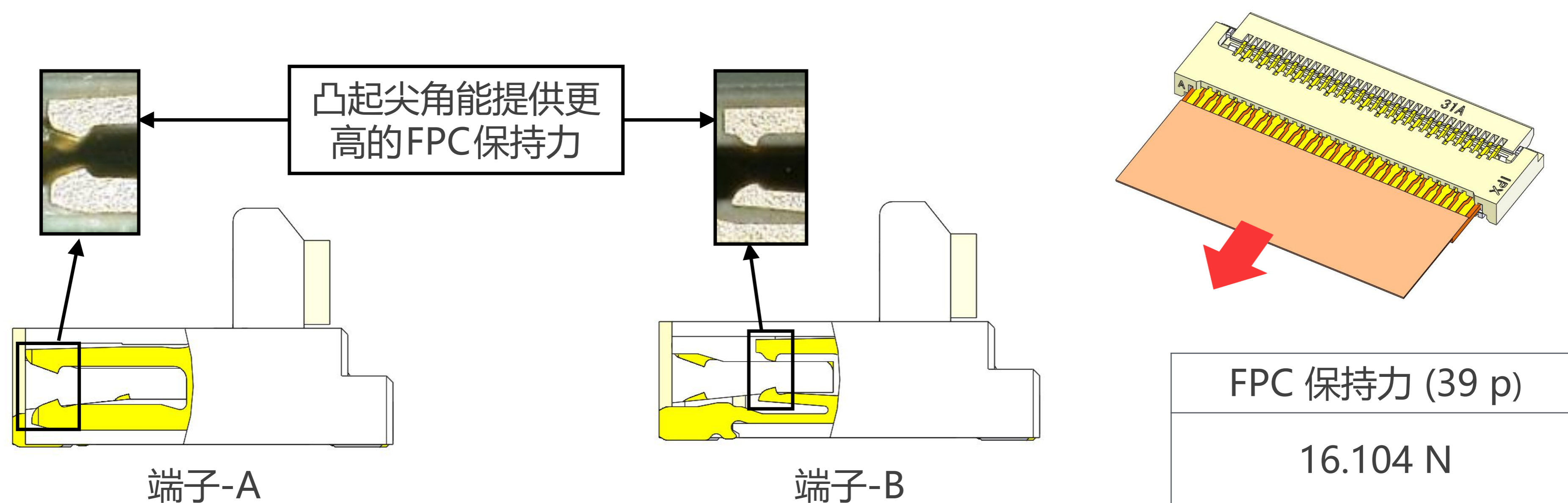
*如您需要了解未列出或不在范围内的Pin数，请咨询我们。



▶ 金属补强设计，加强树脂侧壁强度



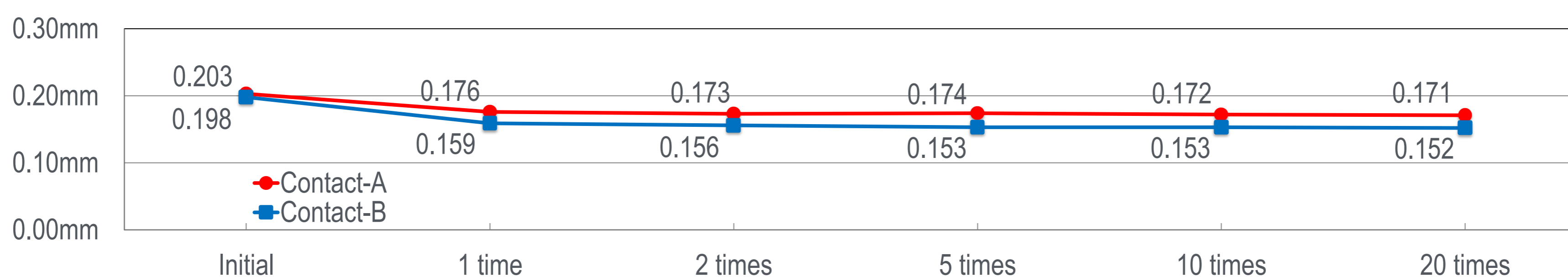
▶ 接触点尖角设计，提高了FPC保持力



▶ 在没有插入 FPC 的情况下闭合钢琴盖，连接器仍可使用

在没有插入 FPC 的情况下闭合钢琴盖，连接器仍可使用

■ FPC未插入情况下闭合钢琴盖，其前后的接点间距比较如图(图表为 MINIFLEX® 3-BFNH L-HD 39 pins)



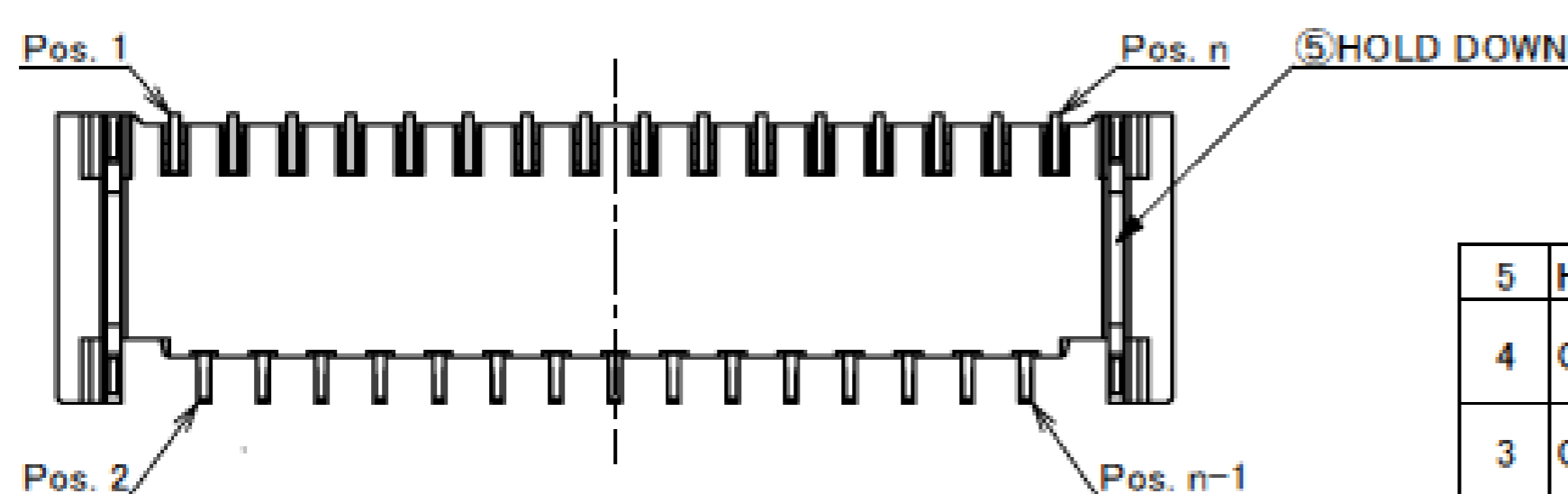
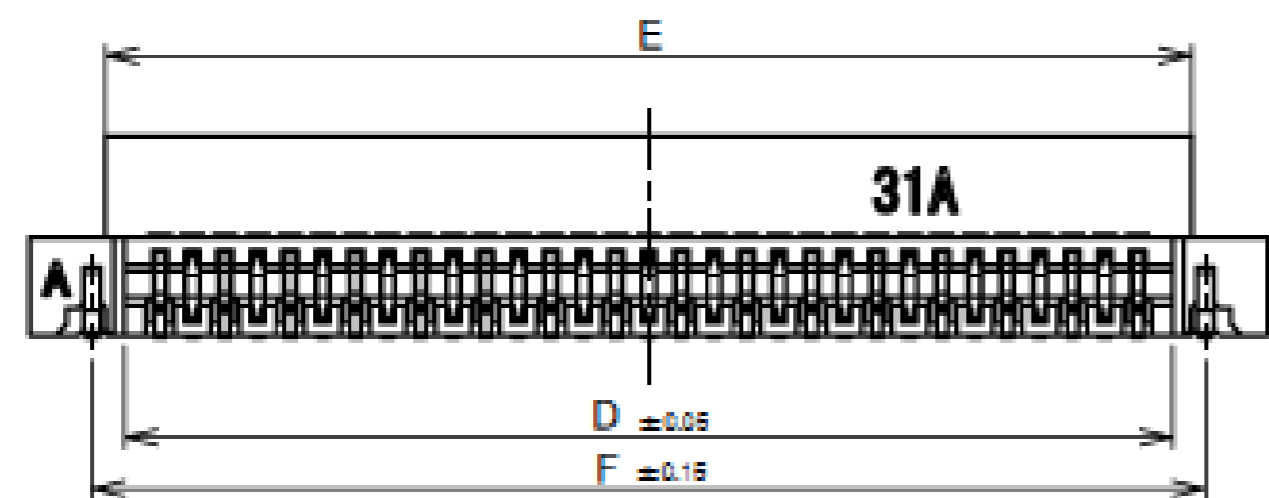
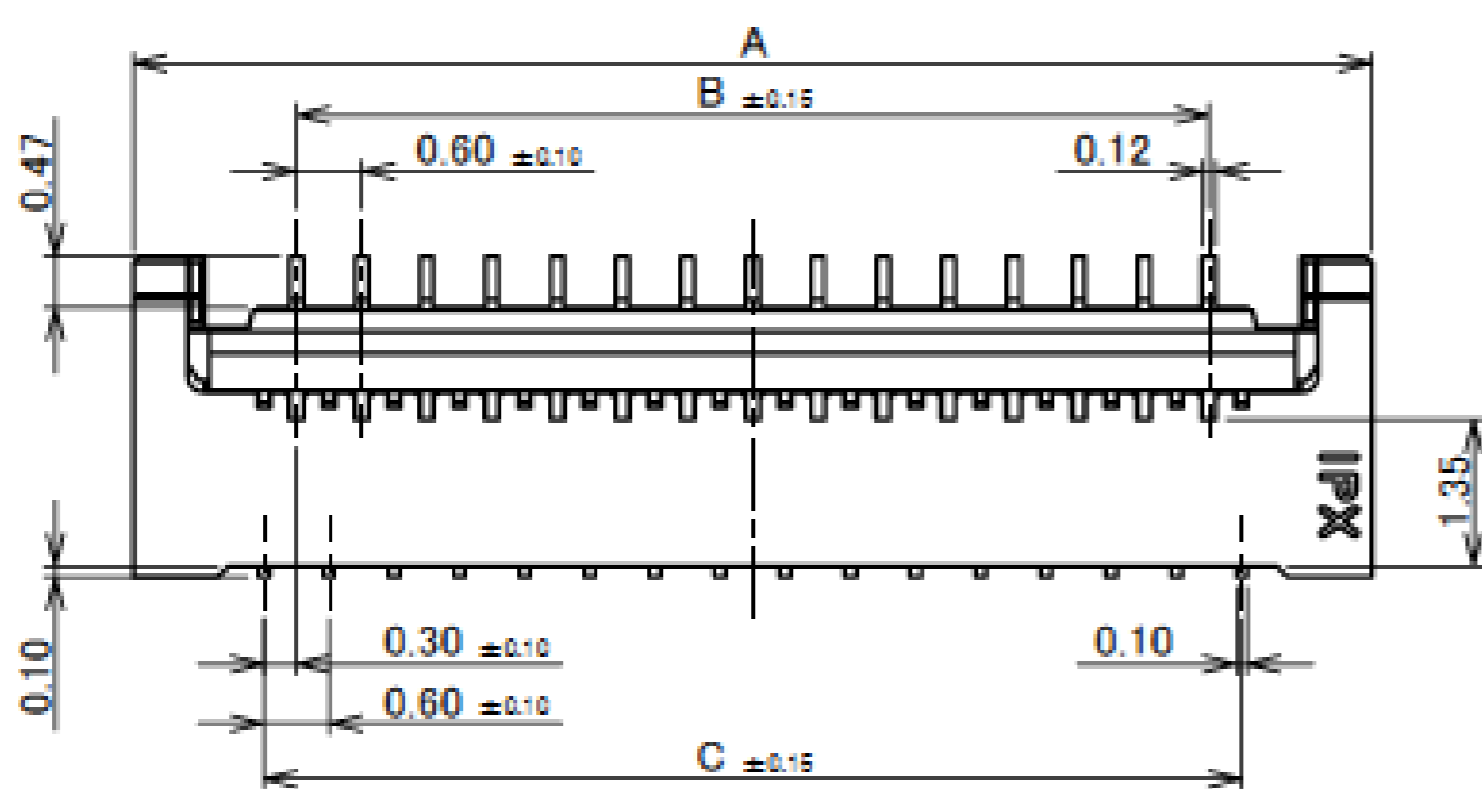
■ FPC插入力上升

■ FPC保持力无太大变化

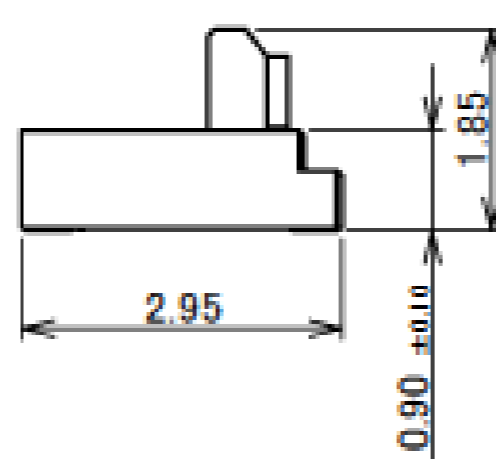
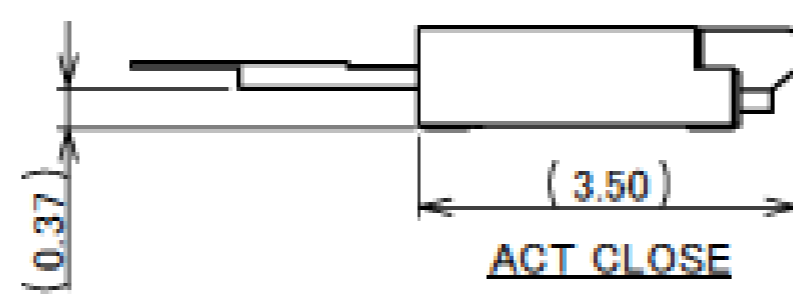
Component Parts Details

Connector Assembly

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

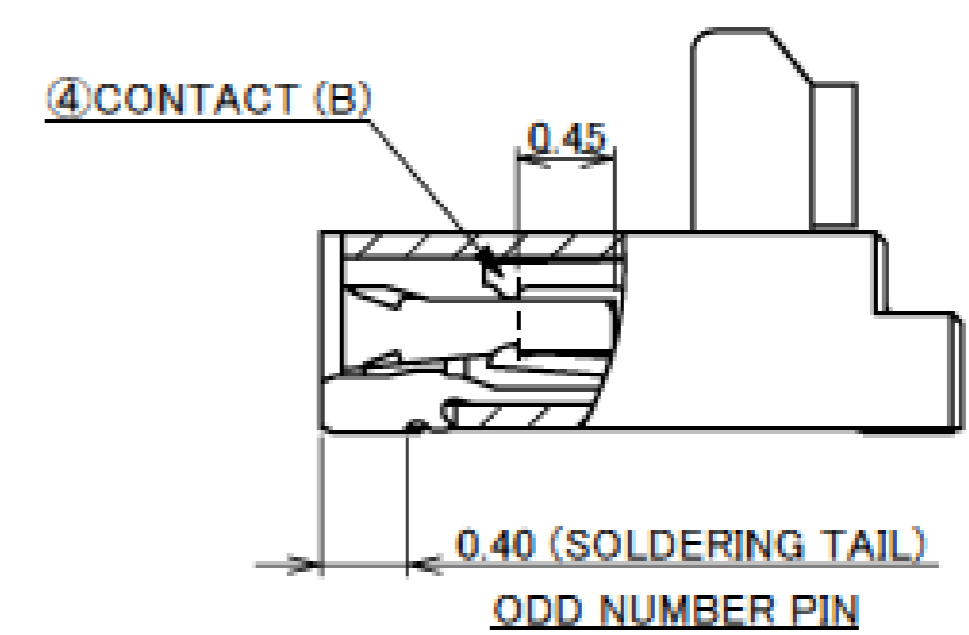
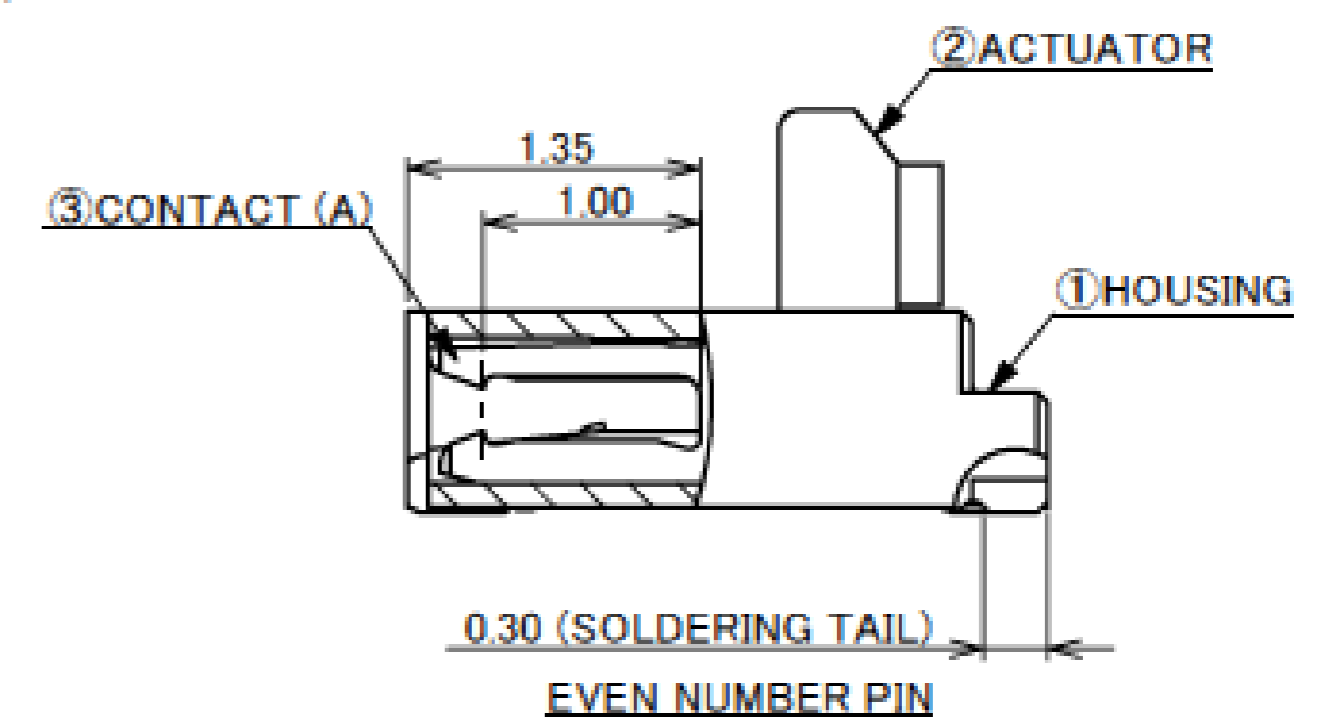


HF Halogen Free
RoHS Compliant



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



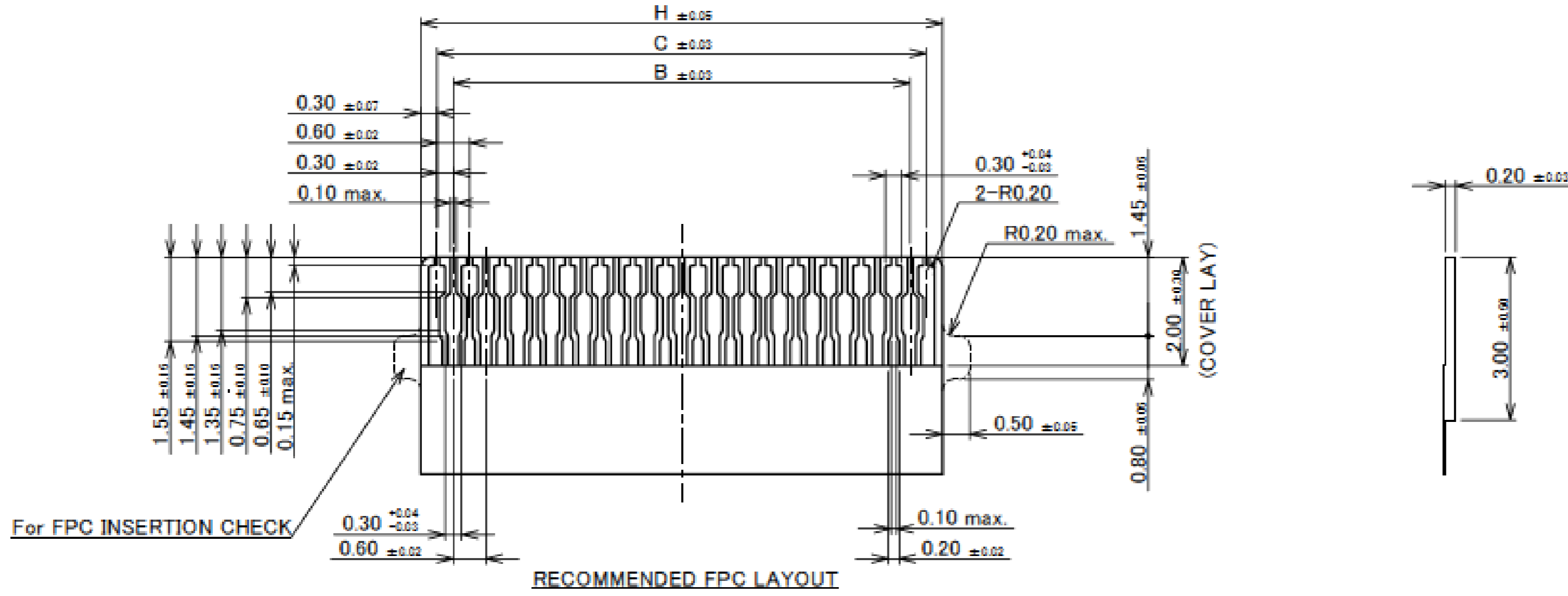
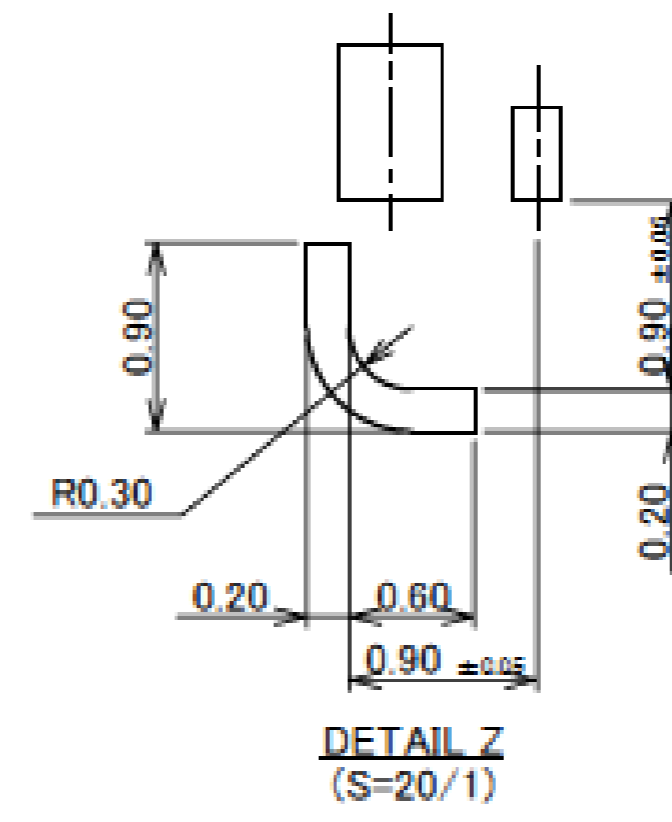
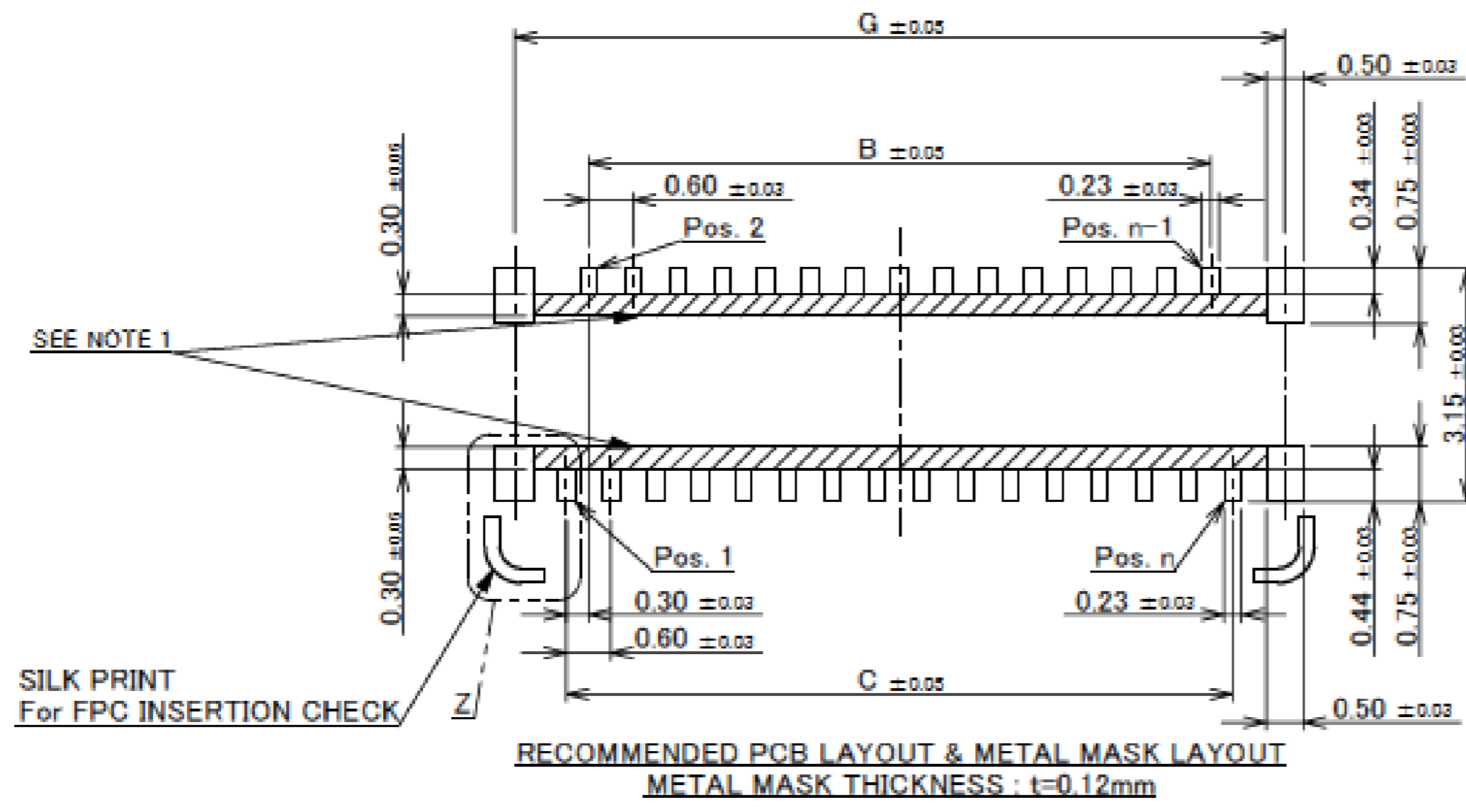
NOTE
1. CONTACT POINT: TOP AND BOTTOM CONTACT

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

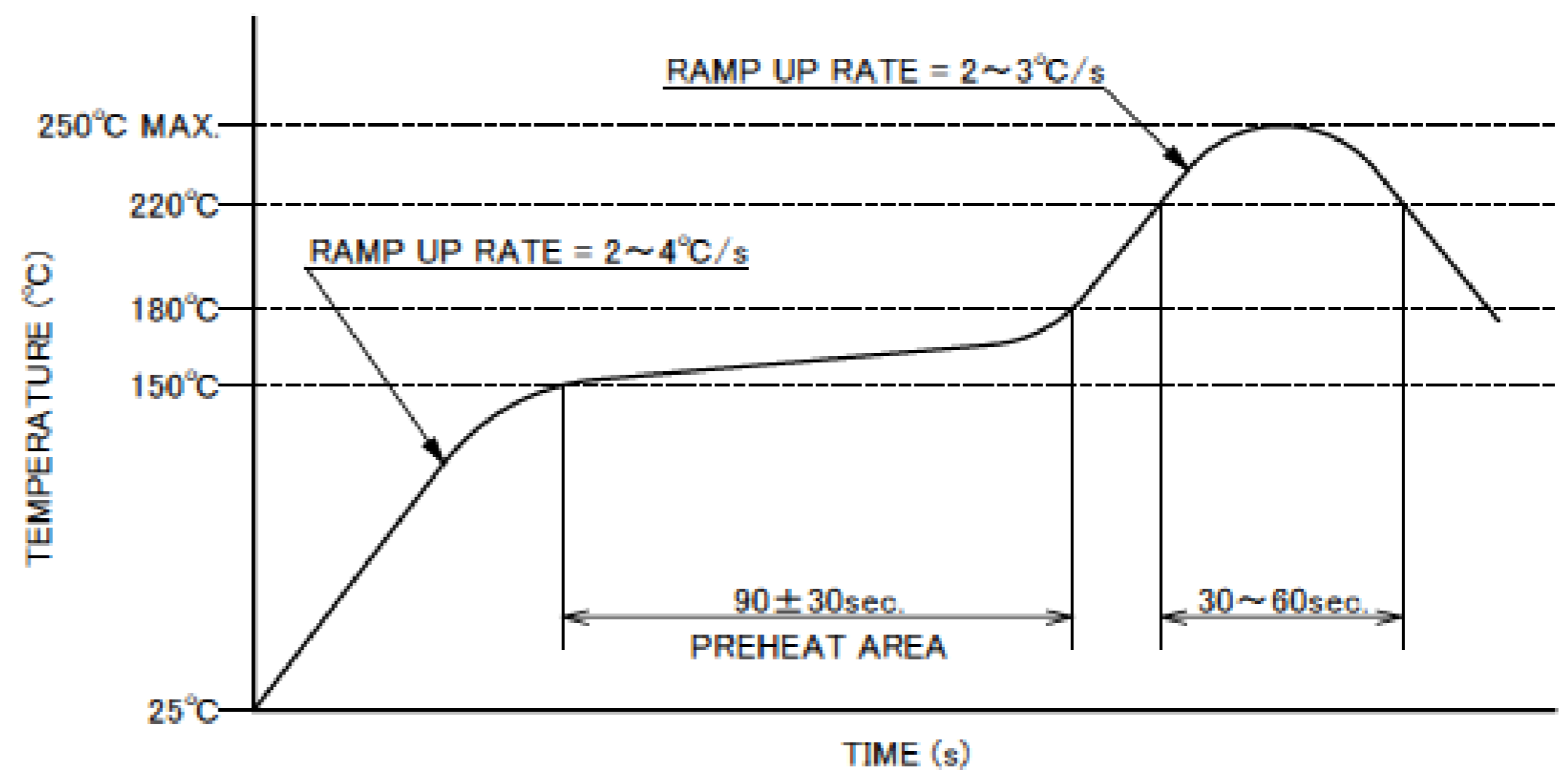
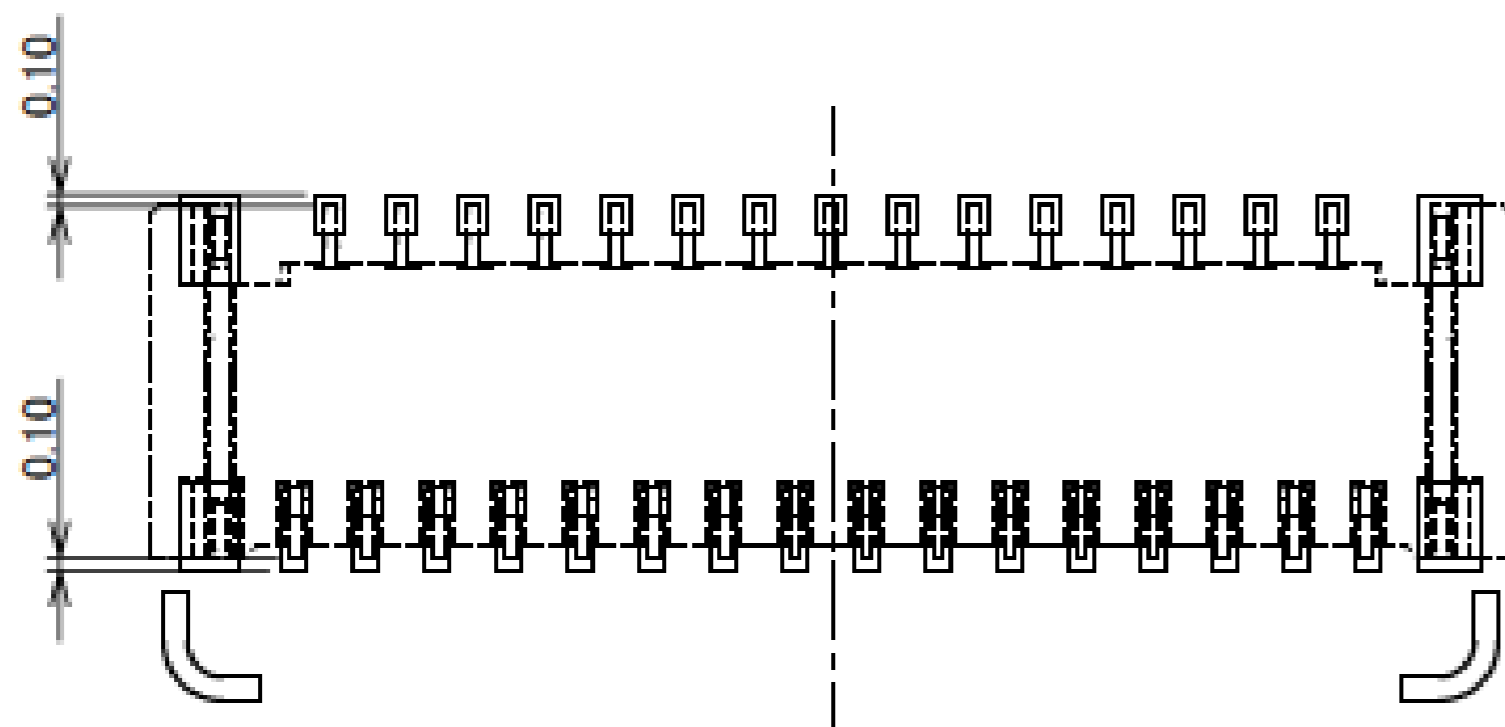
PART No.	Pos.	B	C	G	H
◆20660-031E-01	31P	8.40	9.00	10.40	9.60
20660-039E-01	39P	10.80	11.40	12.80	12.00
◆20660-061E-01	61P	17.40	18.00	19.40	18.60
◆20660-071E-01	71P	20.40	21.00	22.40	21.60

◆MARK MEANS NOT AVAILABLE.



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

Rev.9



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.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : \triangle 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.

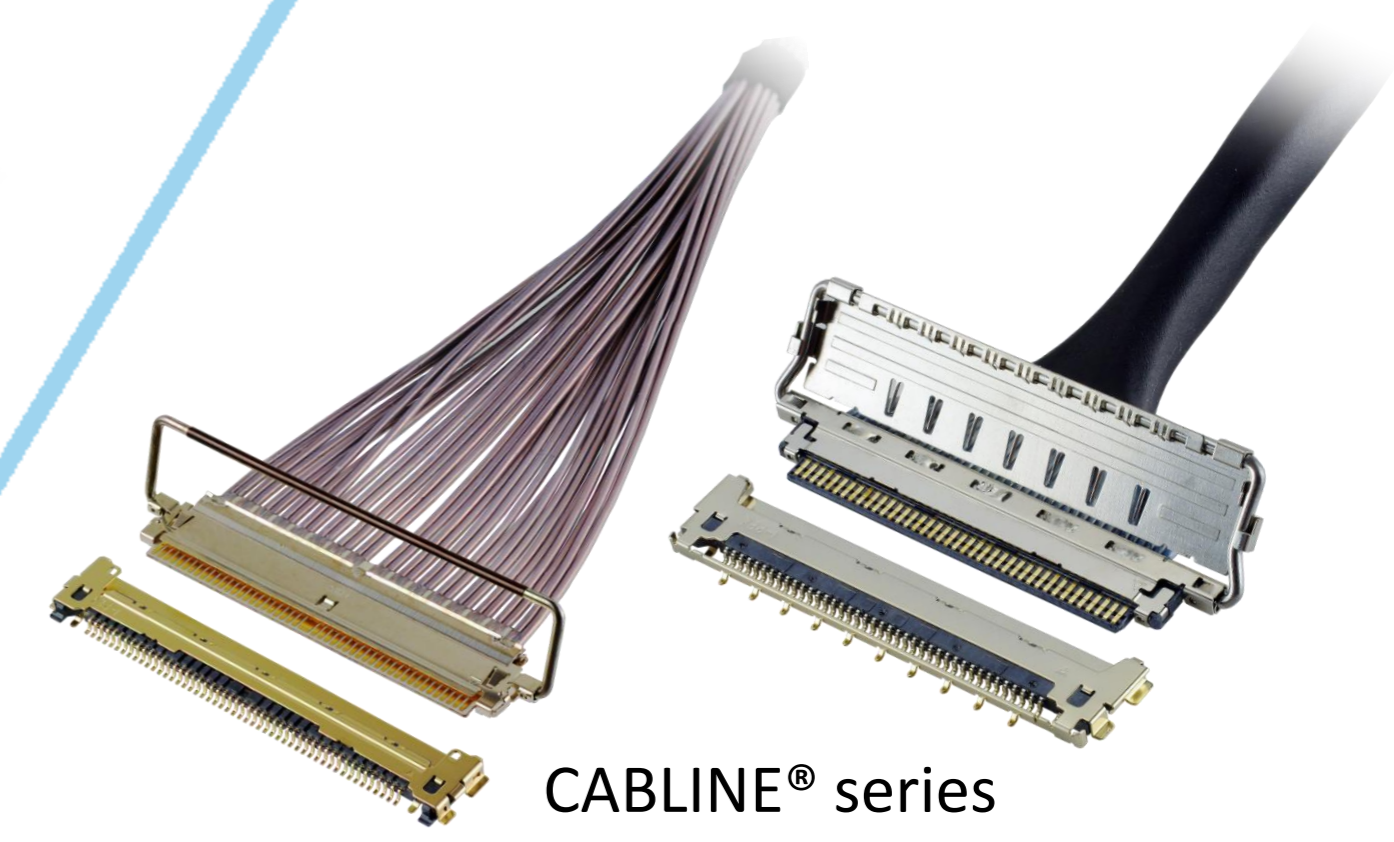
Custom Connectors Available

 RF Connector

MHF® series



CABLINÉ® series
Micro-coaxial/Twinax/
Discrete Wire Connector



Optical Module

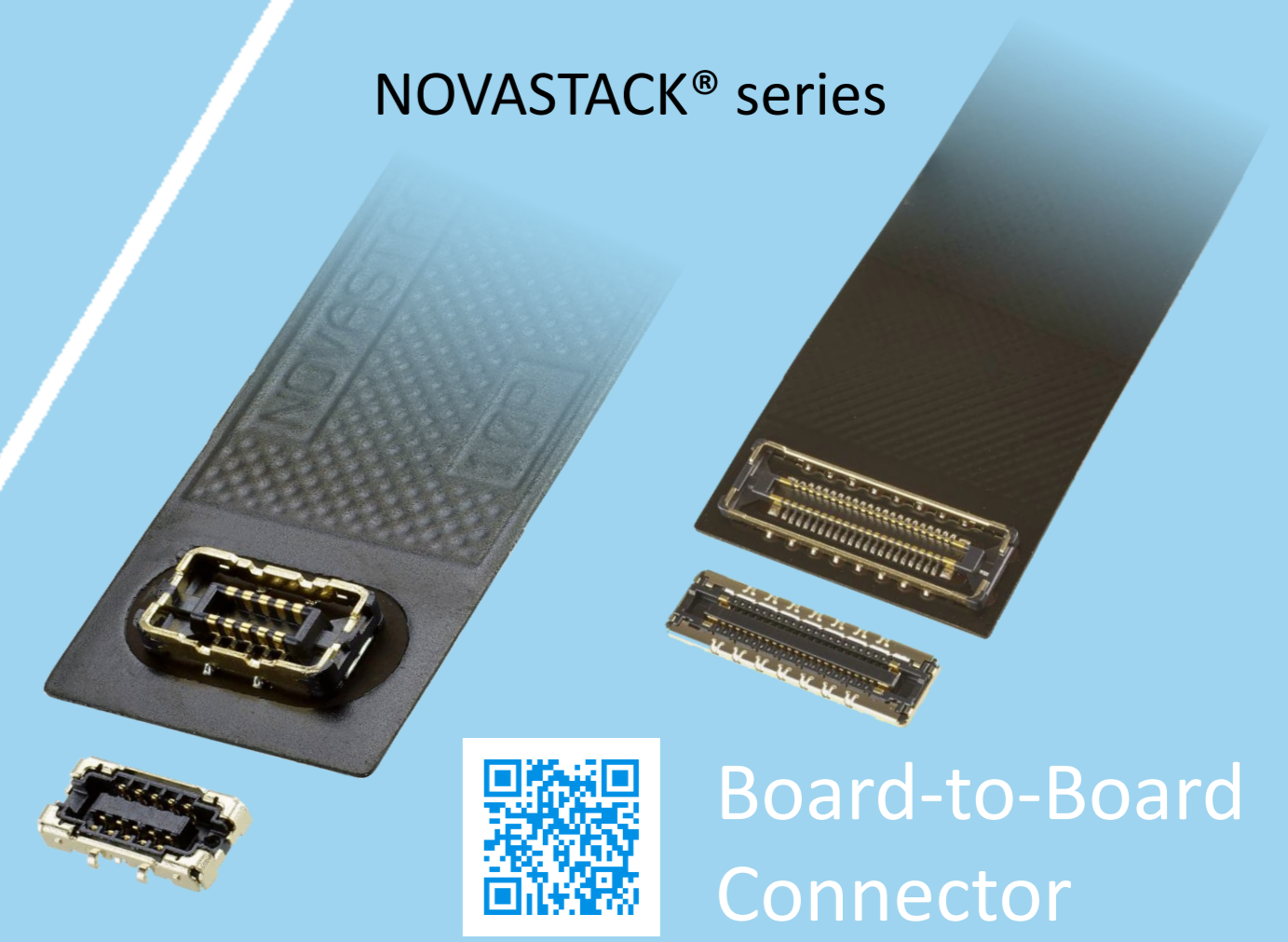
LIGHTPASS® series



NOVASTACK® series



Board-to-Board Connector



Power Connector/
Terminal

AP series

ISH® series



MINIFLEX® series

EVAFLEX® series



FPC FFC Connector



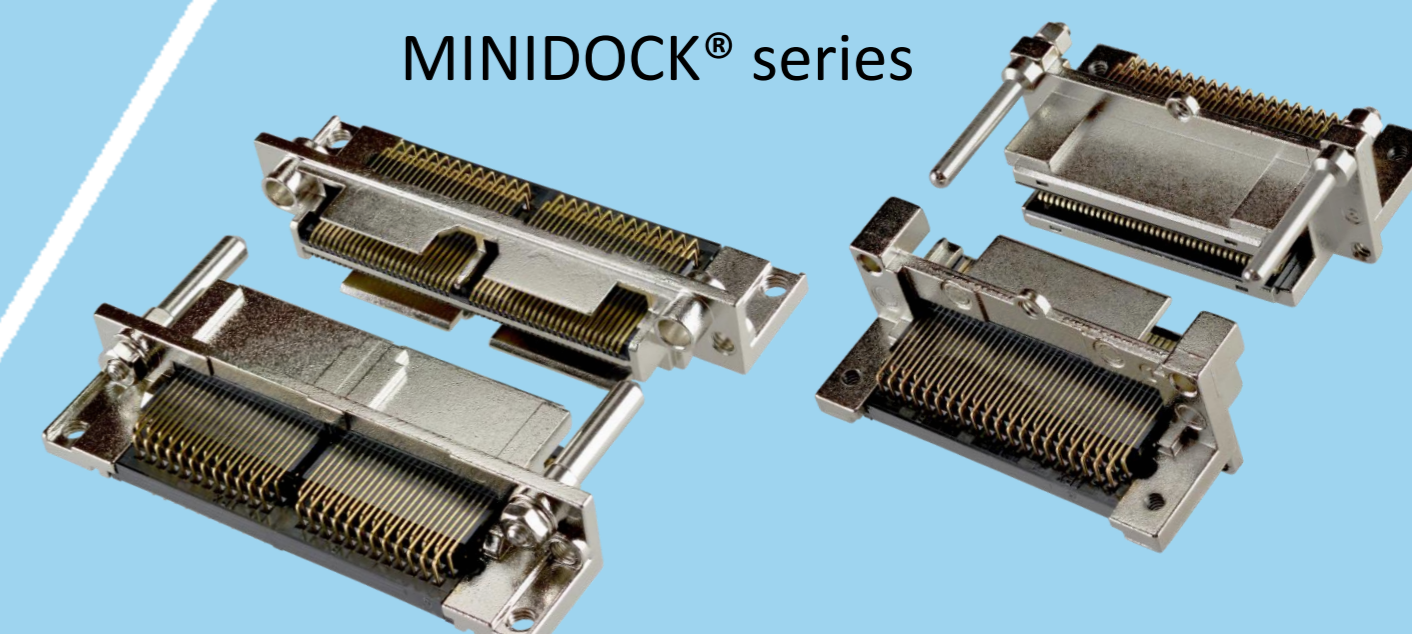
Inquiry



MINIDOCK® series



I/O Connector



I-PEX, MHF, CABLINE, LIGHTPASS, NOVASTACK, ISH, IARPB, MINIFLEX, EVAFLEX, MINIDOCKS 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. 2024
All rights reserved