

MINIFLEX® 3-BFN L-HD

0.3 mm 間距、0.9 mm 高度、配備固定腳位設計、水平插拔、後掀式 FPC 連接器

Product Specifications:

Contact Pitch		0.3 mm
Board Pitch		0.6 mm
Contact Mating Length		Contact A: 0.9 mm
		Contact B: 0.45 mm
Mated Size	Height	0.9 +/- 0.1 mm
	Width	1.5 + (0.3 x pin count) mm
	Depth	Open: 2.55 mm
		Close: 3.5 mm
Available Pin Count *		51

*若有規格外 Pin 數需求,請與當地負責業務窗口聯繫。

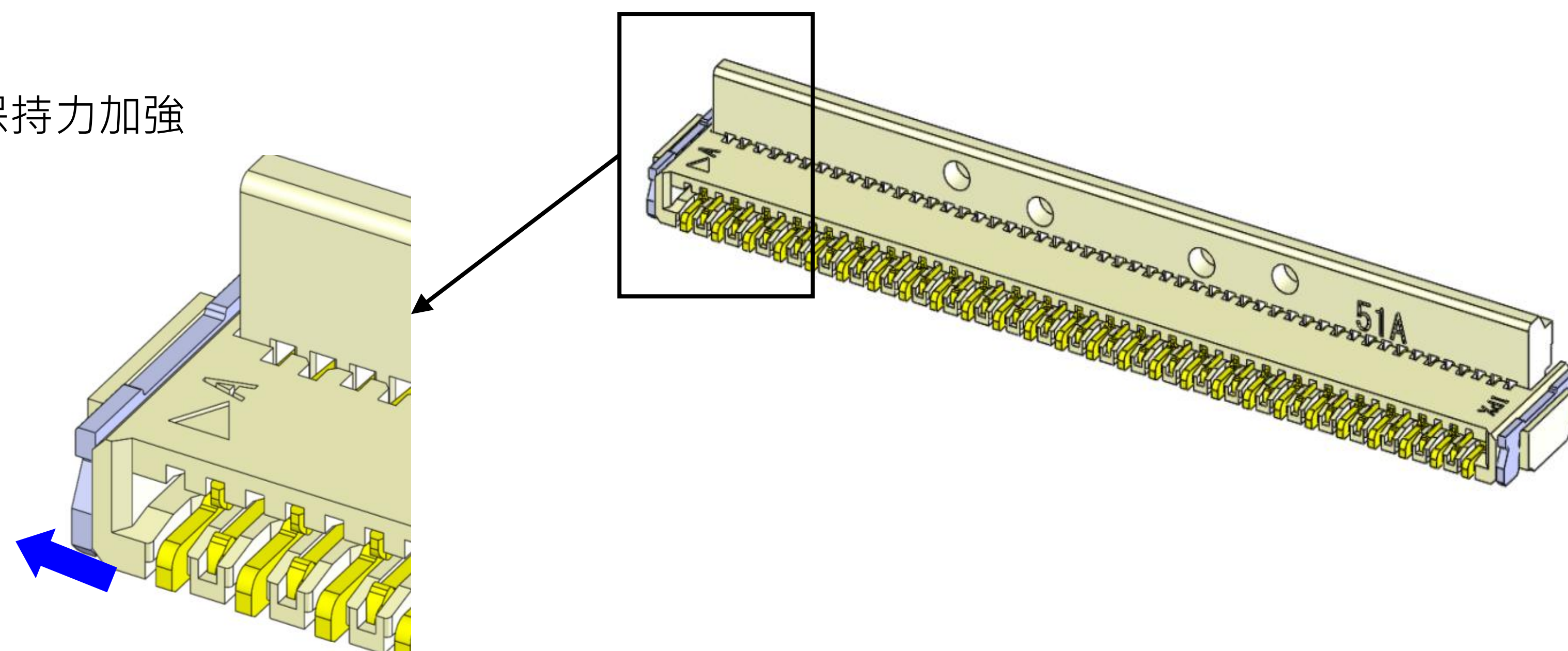
Applicable FPC/FFC:

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

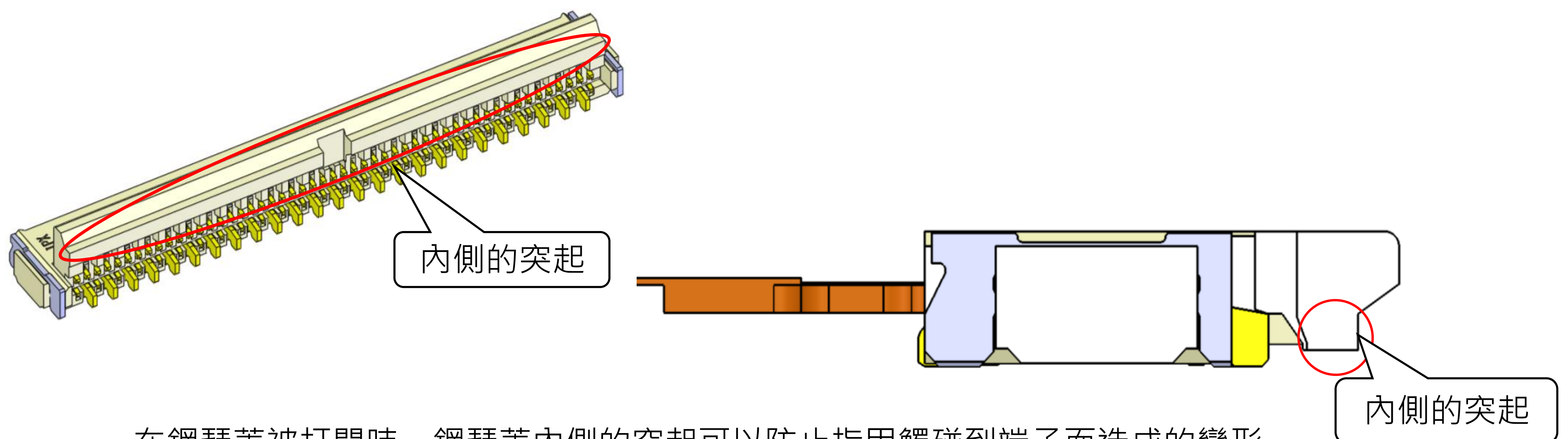


► Hold down 設計加強側壁力度

保持力加強



► 防止端子變形的結構

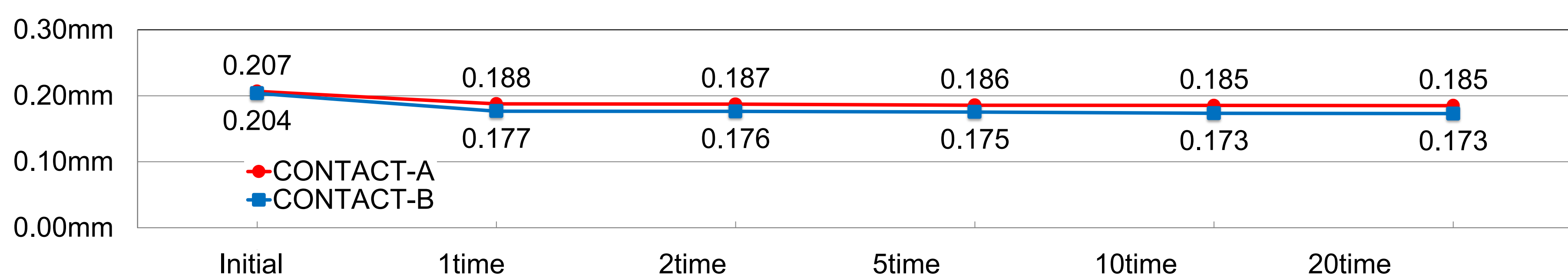


在鋼琴蓋被打開時，鋼琴蓋內側的突起可以防止指甲觸碰到端子而造成的變形

► 在沒有插入FPC的情況下關閉鋼琴蓋，連接器仍可使用

在 SMT 加工後，如果鋼琴蓋在沒有插入 FPC 的情況下意外閉合，連接器仍可使用

■ FPC 未插入情況下閉合鋼琴蓋，其前後的接點間距離比較如圖 (圖表為 MINIFLEX® 3-BFN L-HD 51 pins)



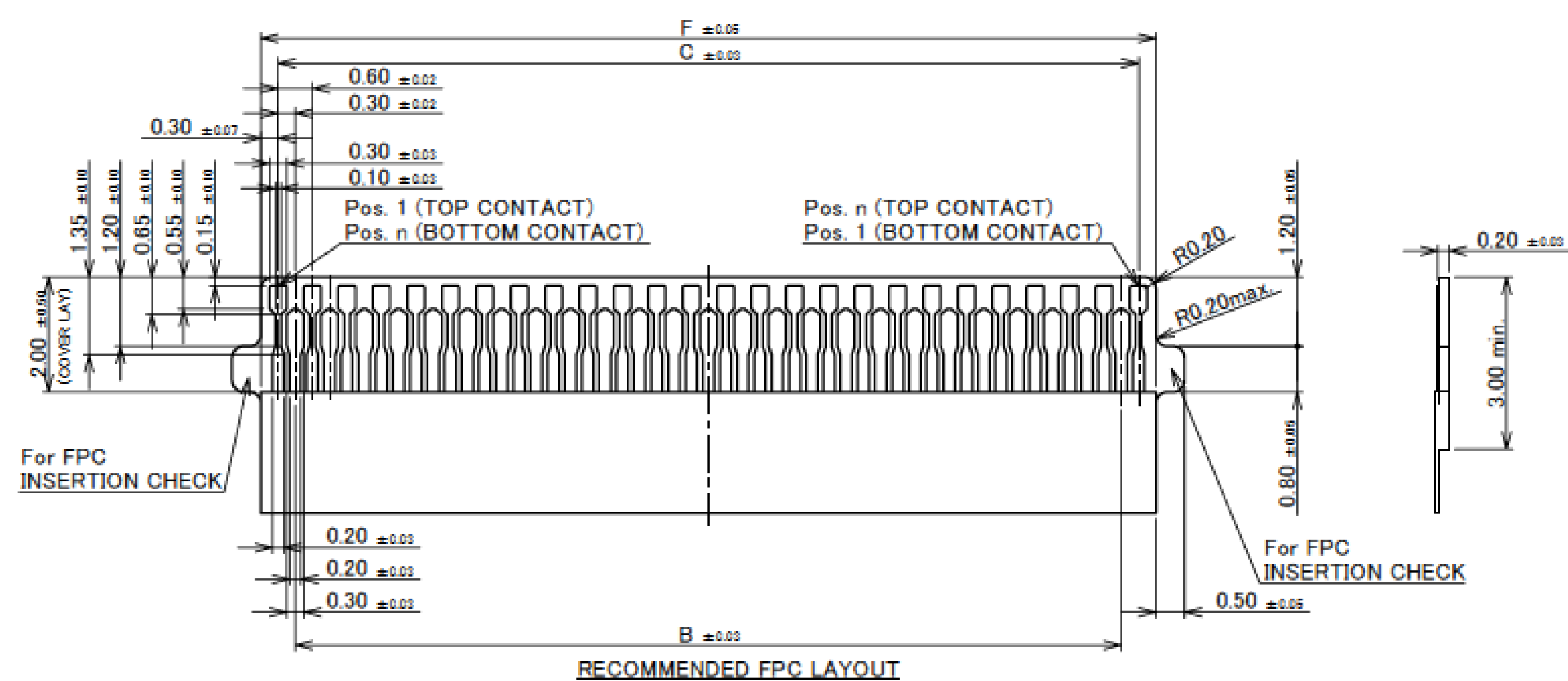
■ FPC插入力上升

■ FPC保持力無太大變化

Connector Assembly

Contact your sales representative for more detailed information. www.i-pex.com

Connector Assembly



PART NO.	Pos.	B	C	F	G
◆20982-015E-01	15P	3.60	4.20	4.80	5.65
◆20982-033E-01	33P	9.00	9.60	10.20	11.05
◆20982-035E-01	35P	9.60	10.20	10.80	11.65
◆20982-037E-01	37P	10.20	10.80	11.40	12.25
◆20982-039E-01	39P	10.80	11.40	12.00	12.85
◆20982-041E-01	41P	11.40	12.00	12.60	13.45
◆20982-045E-01	45P	12.60	13.20	13.80	14.65
◆20982-049E-01	49P	13.80	14.40	15.00	15.85
20982-051E-01	51P	14.40	15.00	15.60	16.45
◆20982-055E-01	55P	15.60	16.20	16.80	17.65
◆20982-057E-01	57P	16.20	16.80	17.40	18.25
◆20982-061E-01	61P	17.40	18.00	18.60	19.45
◆20982-065E-01	65P	18.60	19.20	19.80	20.65
◆20982-067E-01	67P	19.20	19.80	20.40	21.25
◆20982-071E-01	71P	20.40	21.00	21.60	22.45
◆20982-075E-01	75P	21.60	22.20	22.80	23.65

◆ MARK MEANS NOT AVAILABLE.

NOTES.

3. MATERIAL

COVER FILM : P1

CONDUCTOR : COPPER(RARE)
BASE FILM : PI

BASE FILM
STIFFNESS

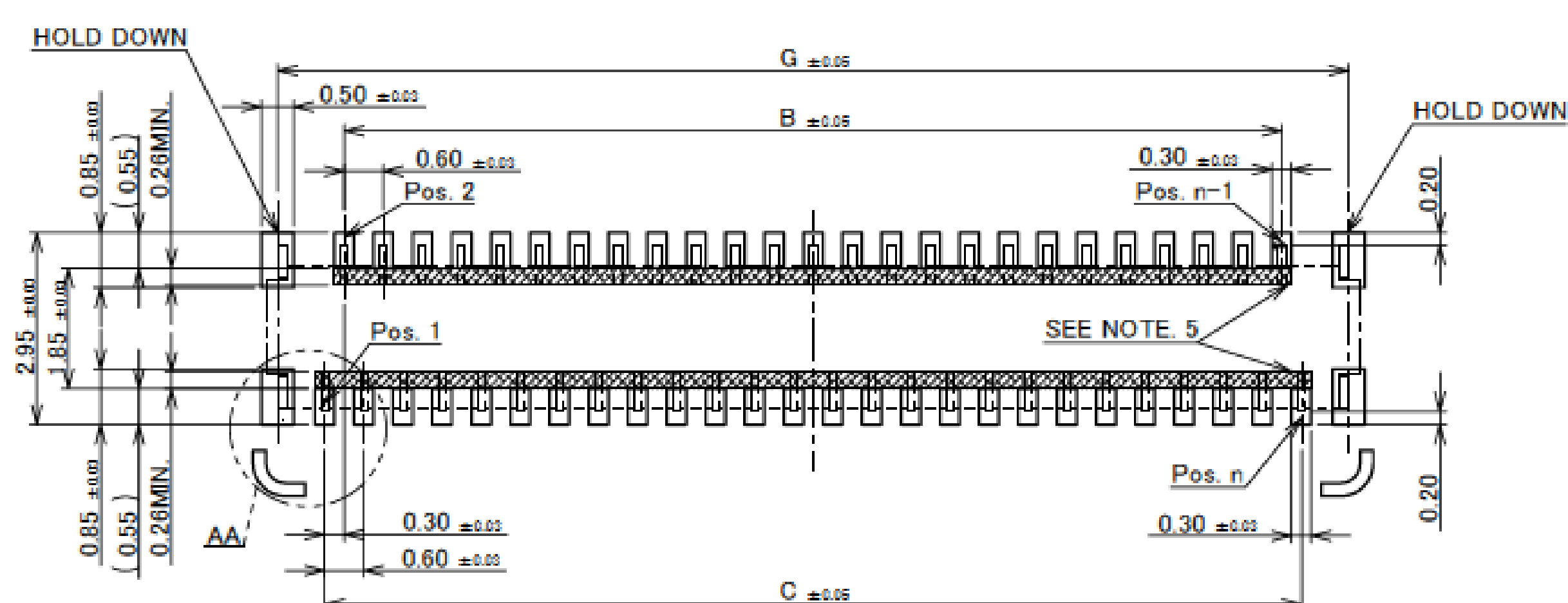
STIFFENER : PI
ADHESIVE : THERMOSETTING ADHESIVE

4. FINISH

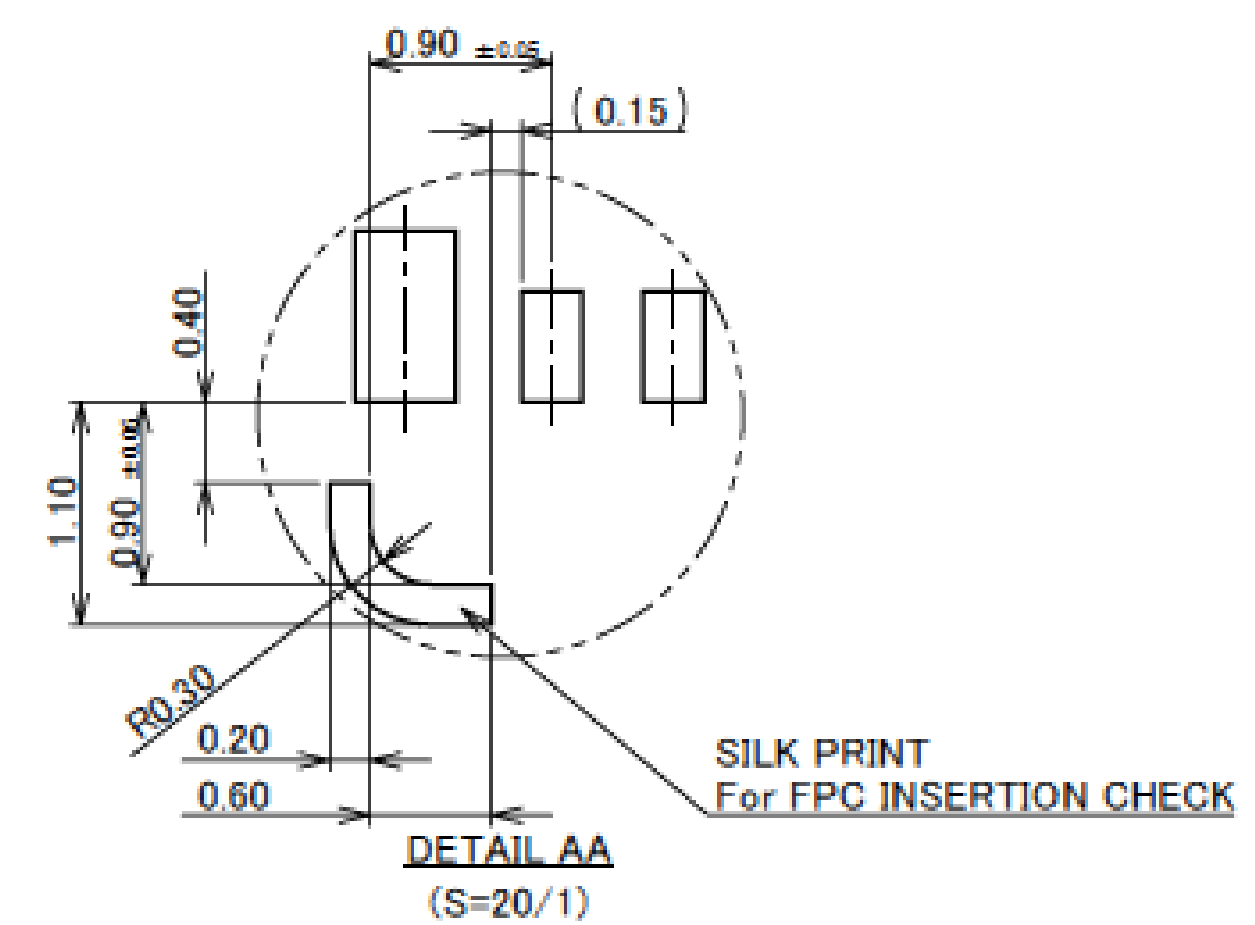
4. FINISH

Au OVER Ni UNDER PLATING.

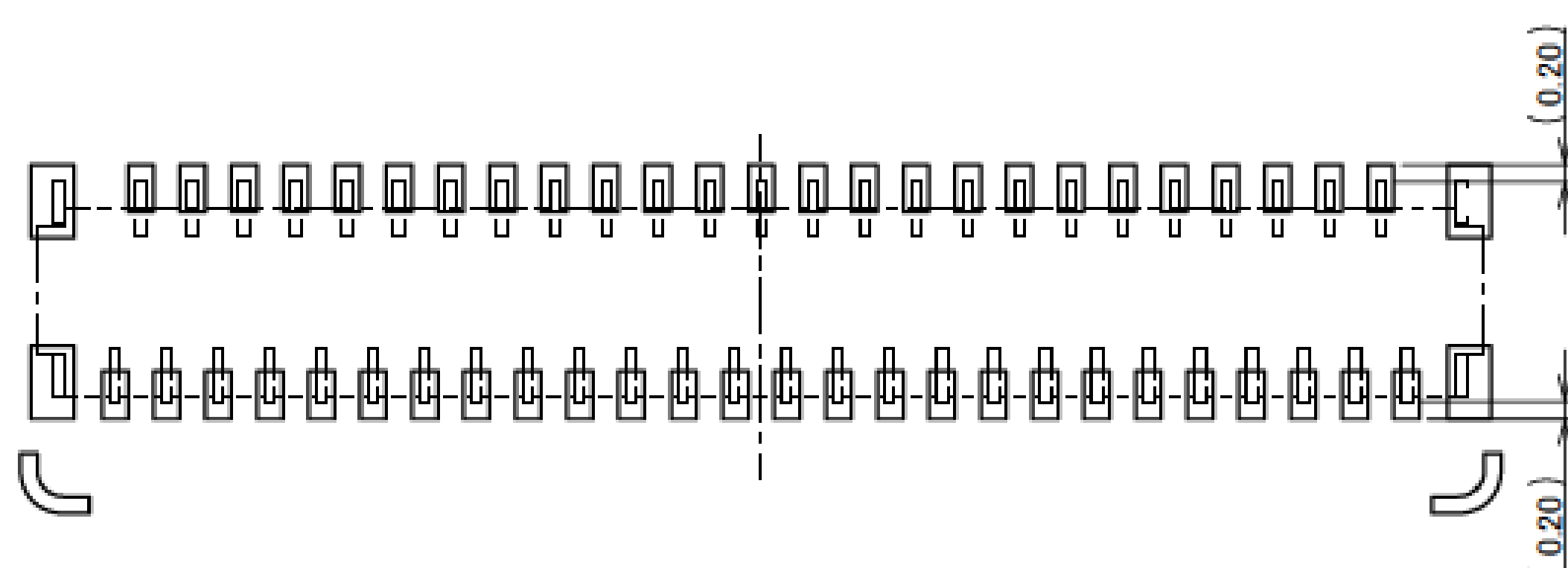
5. SOLDER RESIST SHALL BE APPLIED TO PREVENT SHORT CIRCUITS WHEN PLACING SIGNAL LINES ON GROUND AREA.



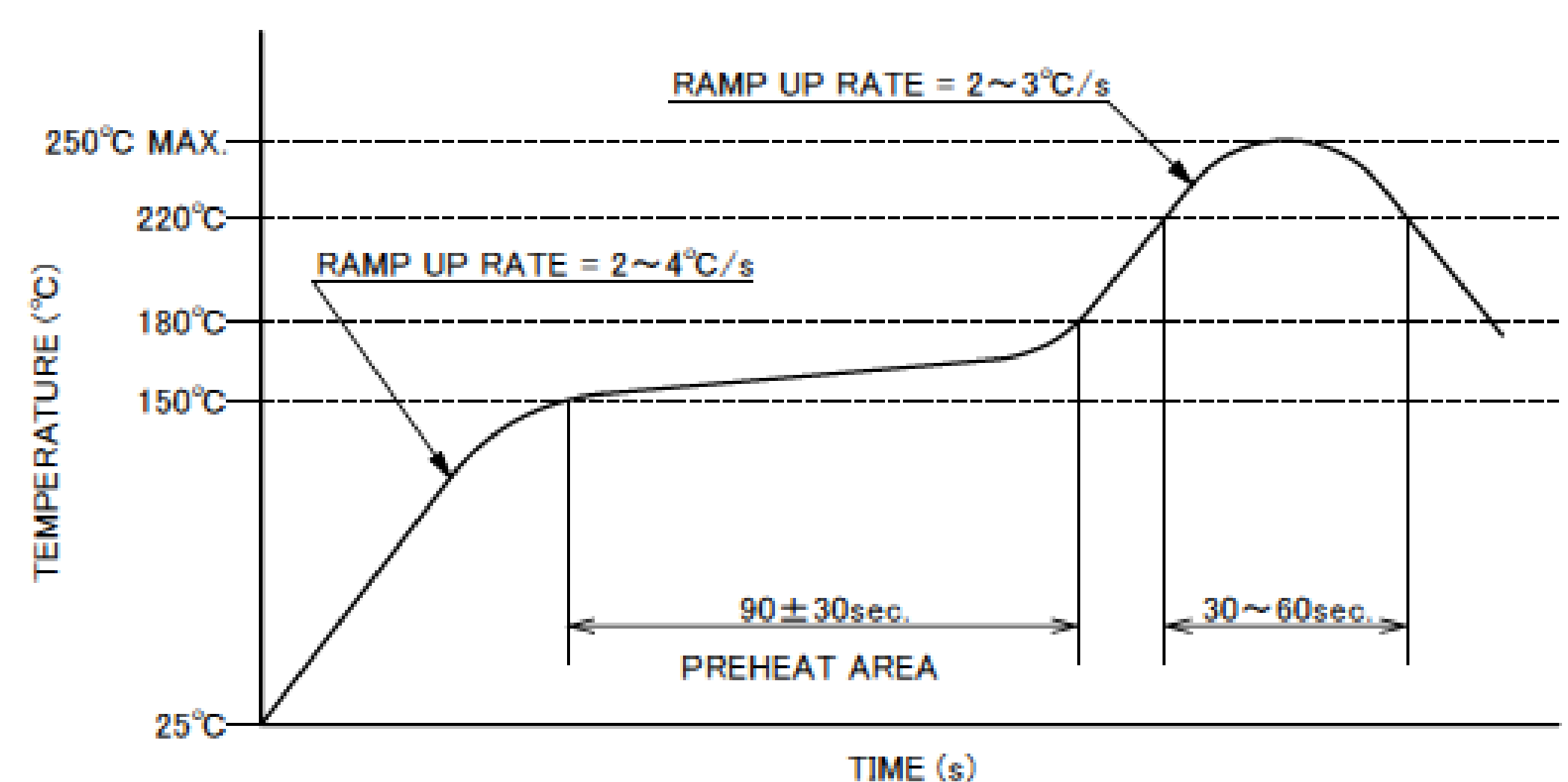
RECOMMENDED PCB LAYOUT & METAL MASK LAYOUT
METAL MASK THICKNESS : $t=0.12\text{mm}$



Rev.0



CONNECTOR ON RECOMMENDED PCB LAYOUT



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

Connector Assembly

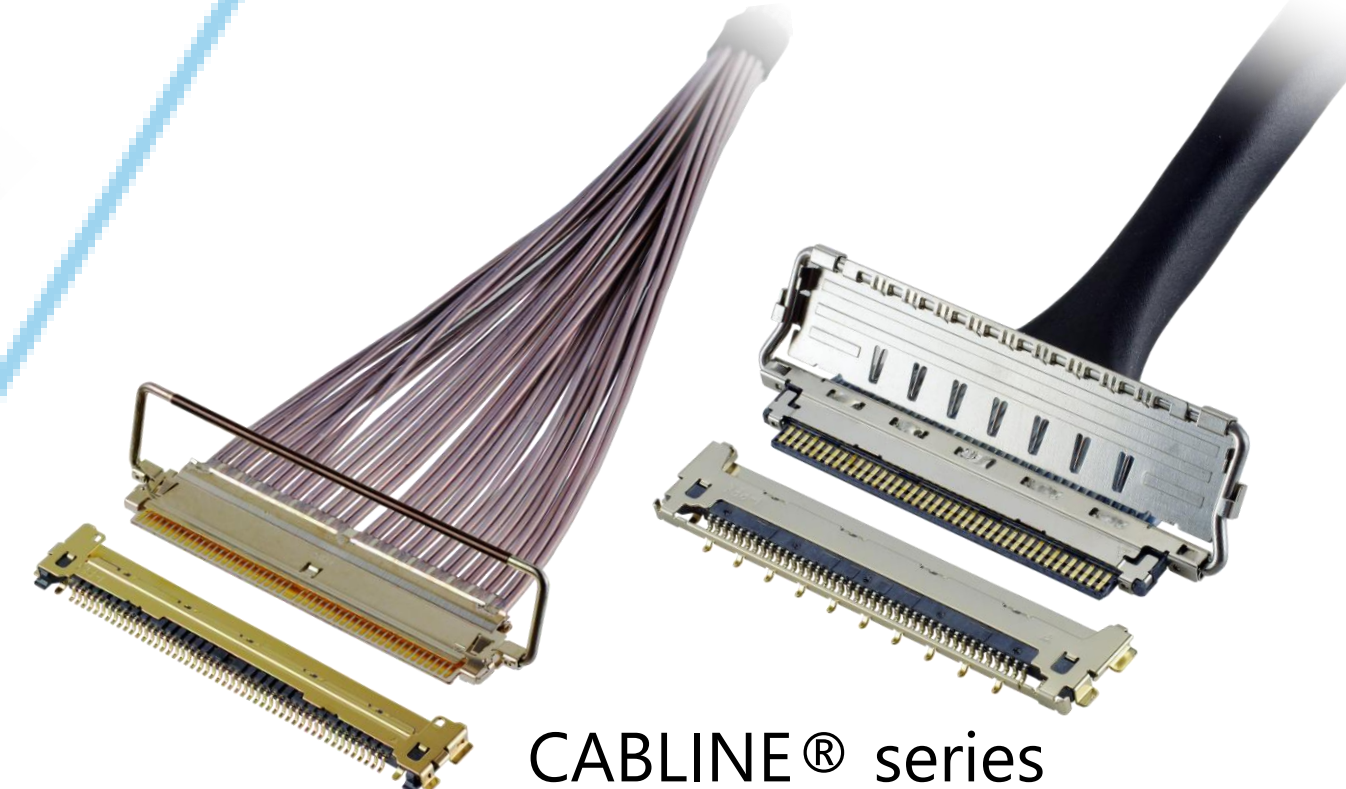
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT)
RATING AMPERAGE	0.3A DC (PER CONTACT)
OPERATING TEMPERATURE	233~358K (-40°C~+85°C)
OPERATING HUMIDITY	20~80%RH (NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20 CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20 CYCLES)	INITIAL / 20 CYCLES 0.21N (21gf) × n MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20 CYCLES)	INITIAL / 20 CYCLES 0.014N (1.4gf) × n MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL: 0.13N (13gf) × n MIN. / AFTER TEST: 0.10N (10gf) × n MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2650
TEST REPORT	TR-20010
PACKING STANDARD	PST-15093
INSTRUCTION MANUAL	HIM-12007
APPEARANCE CRITERIA No.	QLS-A***

※ “n” IS THE NUMBER OF PIN

Custom Connectors Available

RF Connectors

MHF® series



CABLINE® series

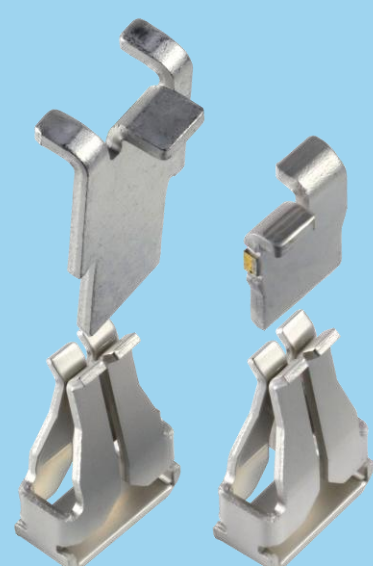


Micro-Coaxial/Twinaxial Connectors

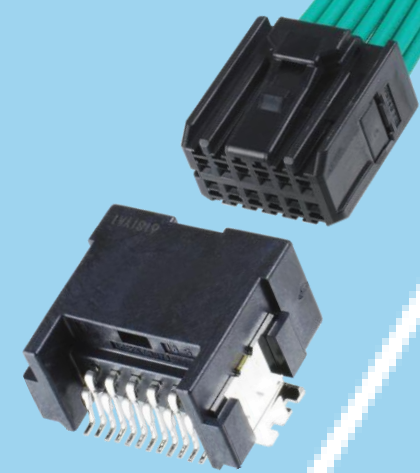


Wire-to-Board Connectors/ Terminals

AP series



ISH® series



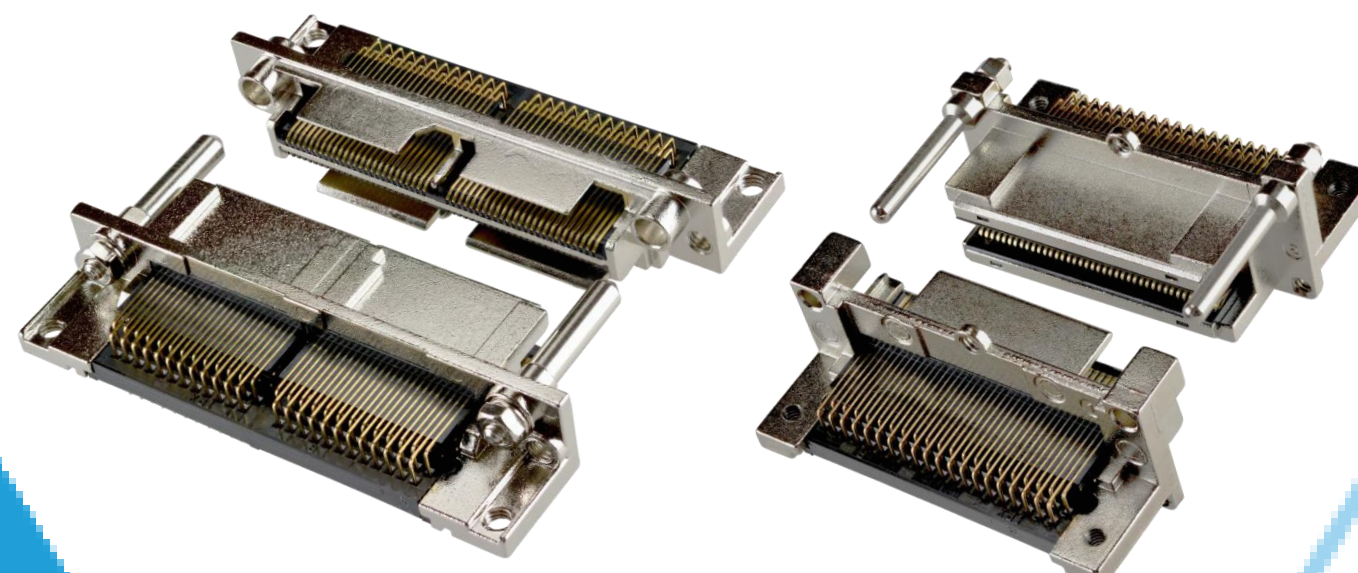
NOVASTACK® series



Board-to-Board Connectors

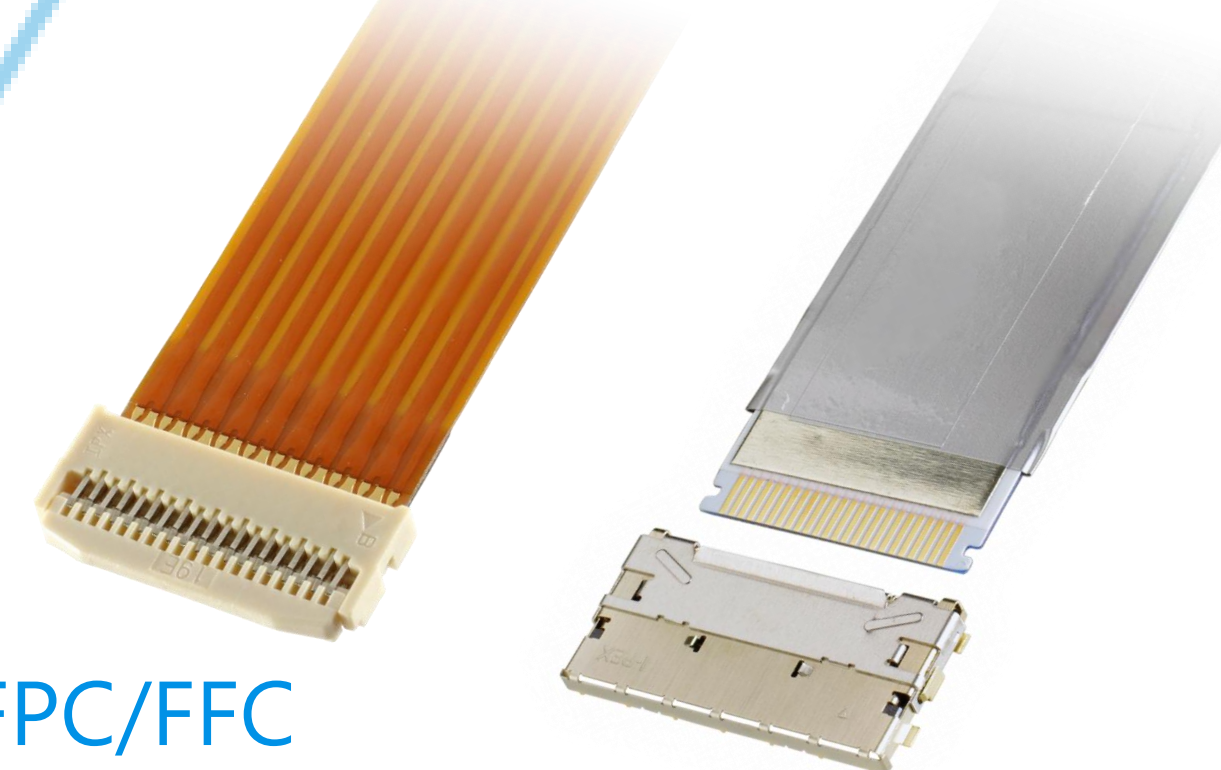


I/O Connectors



MINIDOCK™ series

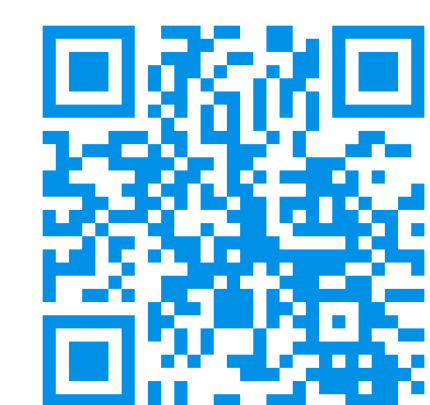
MINIFLEX® series EVAFLEX® series



FPC/FFC Connectors



Inquiry



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