

MINIFLEX® 3-BFN L-HD

0.3 mm间距、0.9 mm高度、配备hold-down设计、水平插拔、后锁式FPC连接器

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

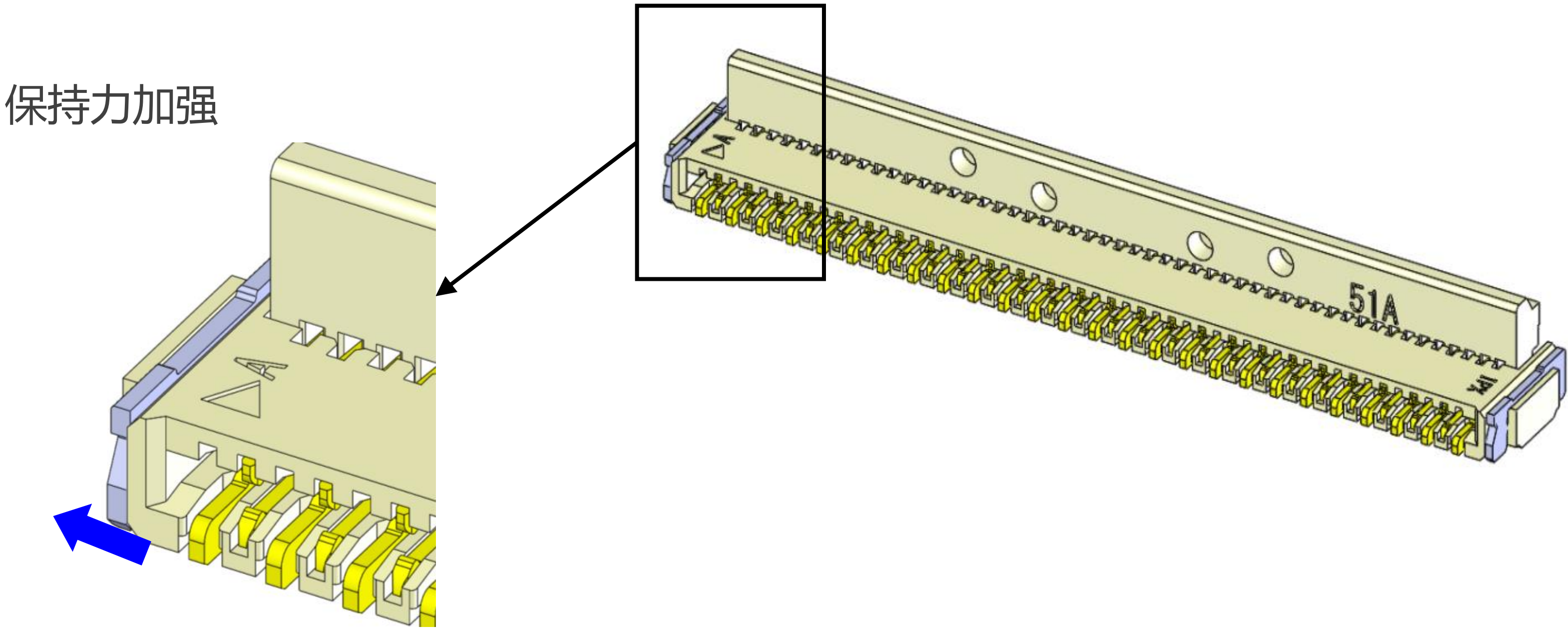
Applicable FPC/FFC:

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

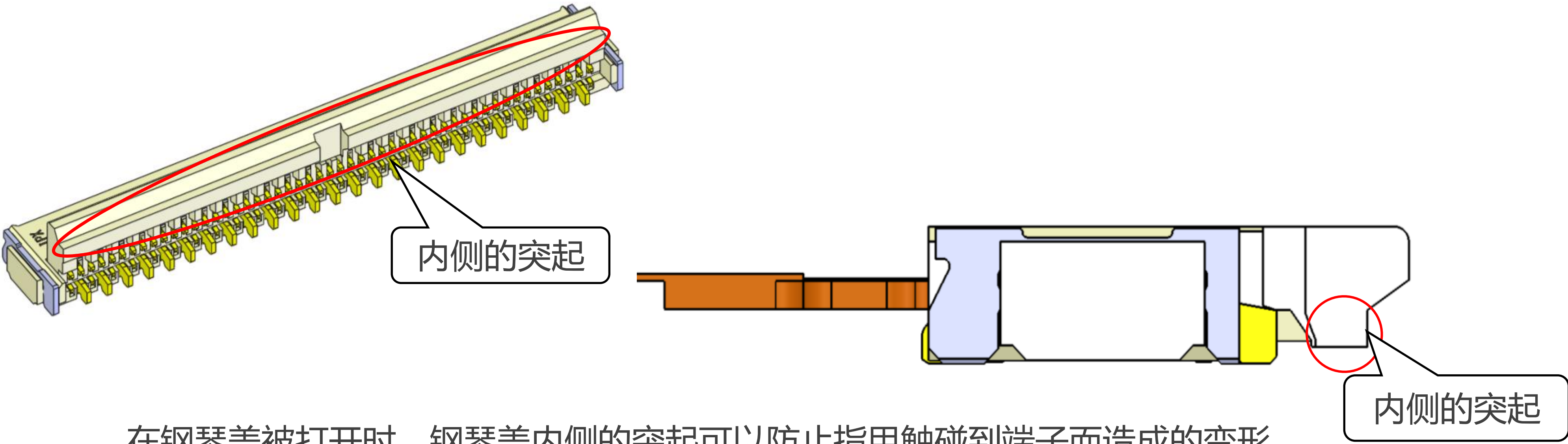
*如您需要了解未列出或不在范围内的Pin数，请咨询我们。



金属补强设计，加强树脂侧壁强度



独特的结构，防止端子变形

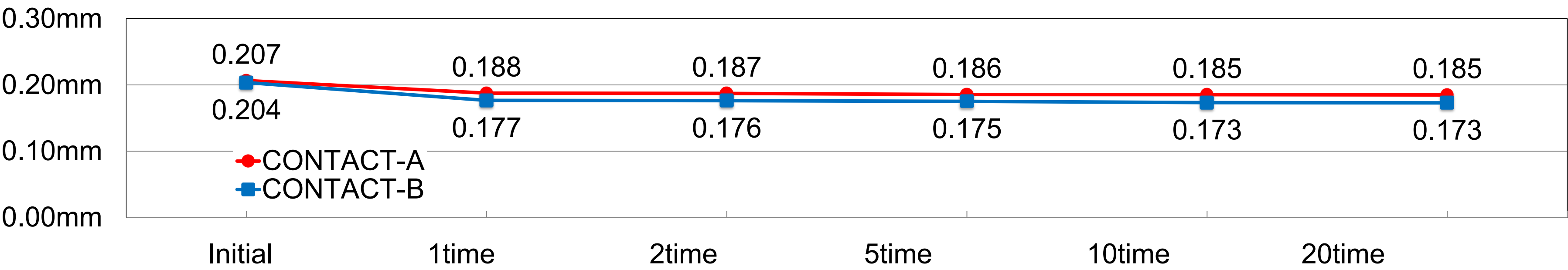


在钢琴盖被打开时，钢琴盖内侧的突起可以防止指甲触碰到端子而造成的变形

在没有插入 FPC 的情况下闭合钢琴盖，连接器仍可使用

在 SMT 加工后，如果钢琴盖在没有插入 FPC 的情况下意外闭合，连接器仍可使用

■ FPC 未插入情况下闭合钢琴盖，其前后的接点间距离比较如图 (图表为 MINIFLEX® 3-BFN L-HD 51 pins)



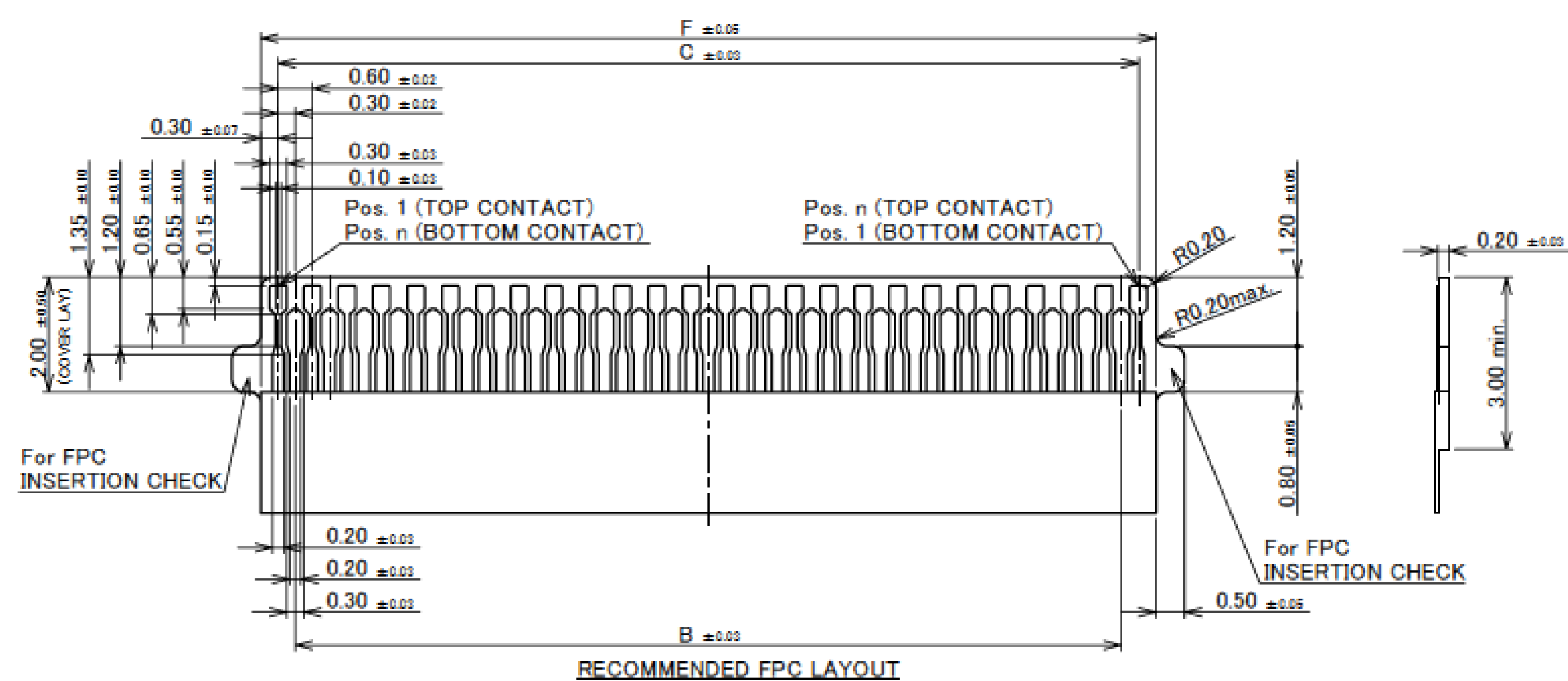
■ FPC插入力上升

■ FPC保持力无太大变化

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

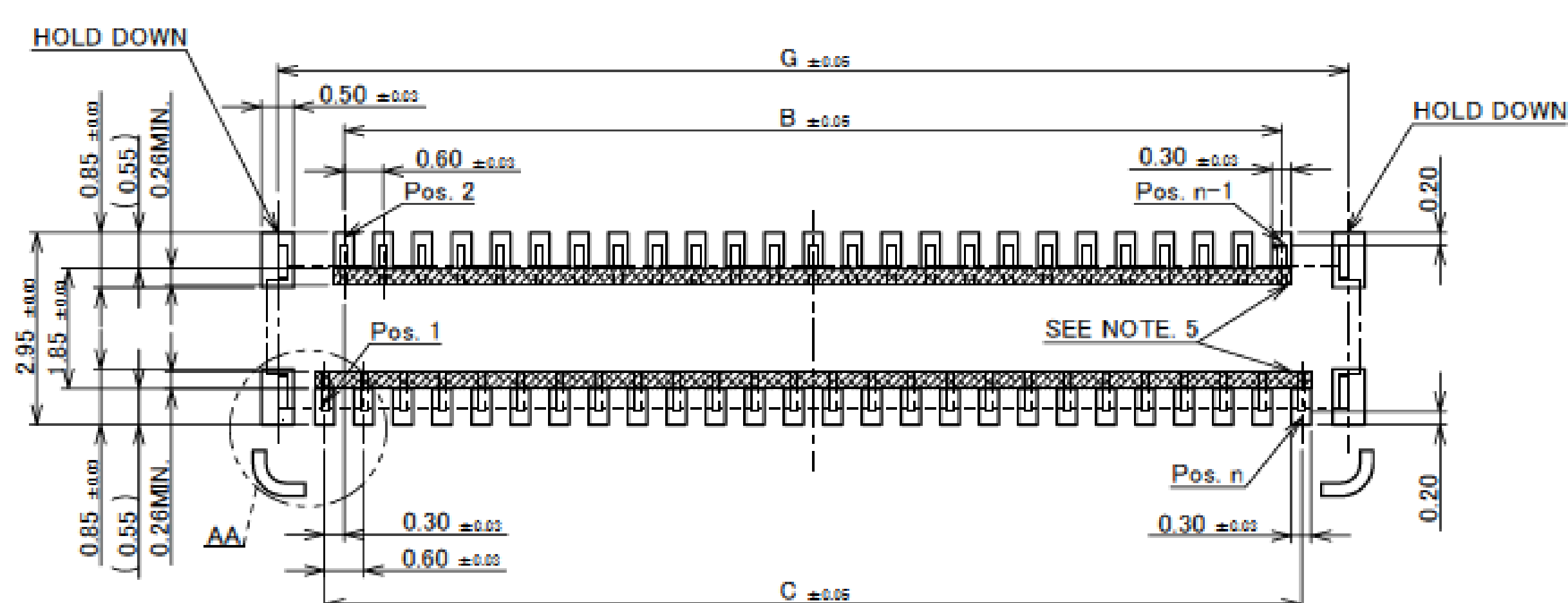
4. FINISH

Au OVER Ni UNDER PLATING.

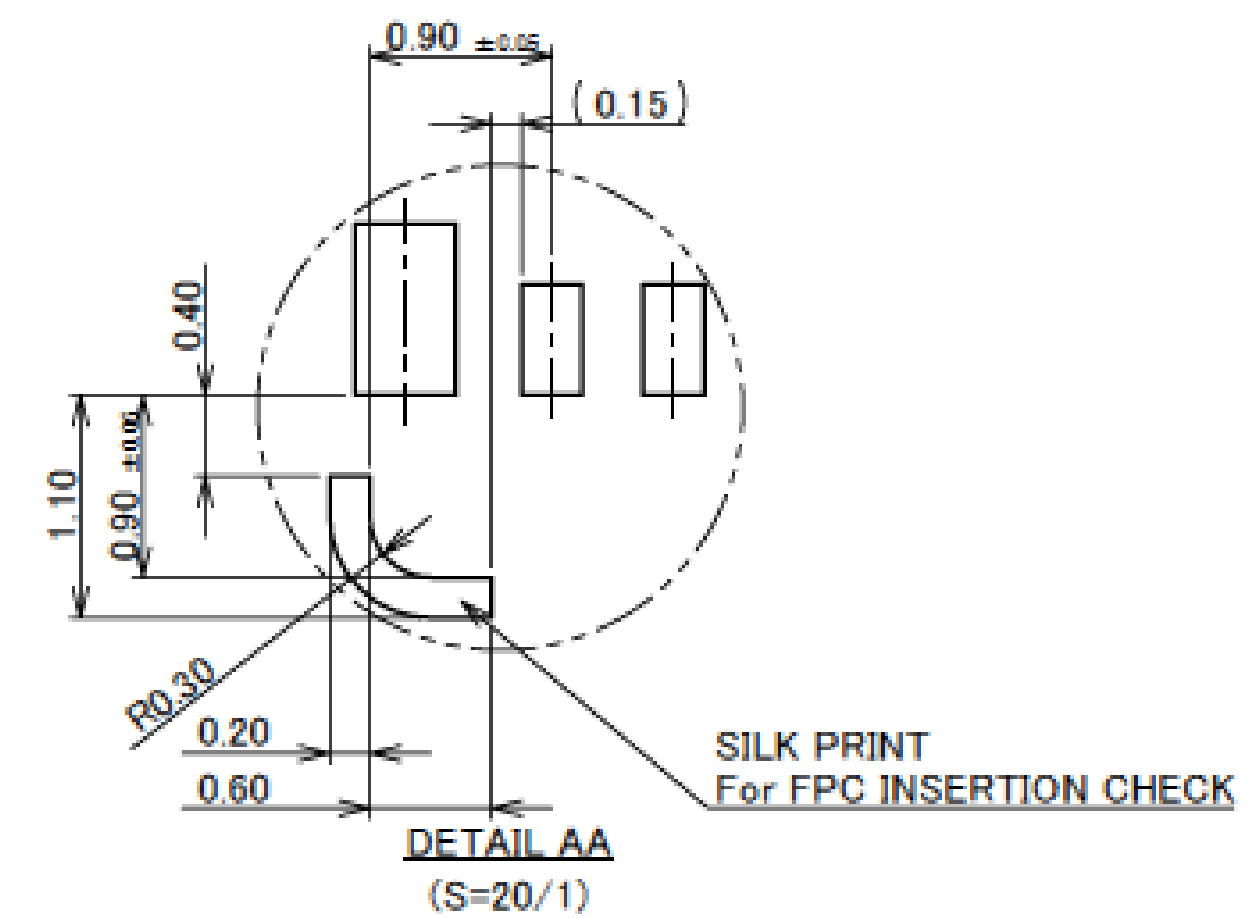
5. SOLDER RESIST SHALL BE APPLIED TO

5. SOLDER-RESIST SHALL BE APPLIED TO PREVENT SHORT CIRCUITS WHEN PLACING

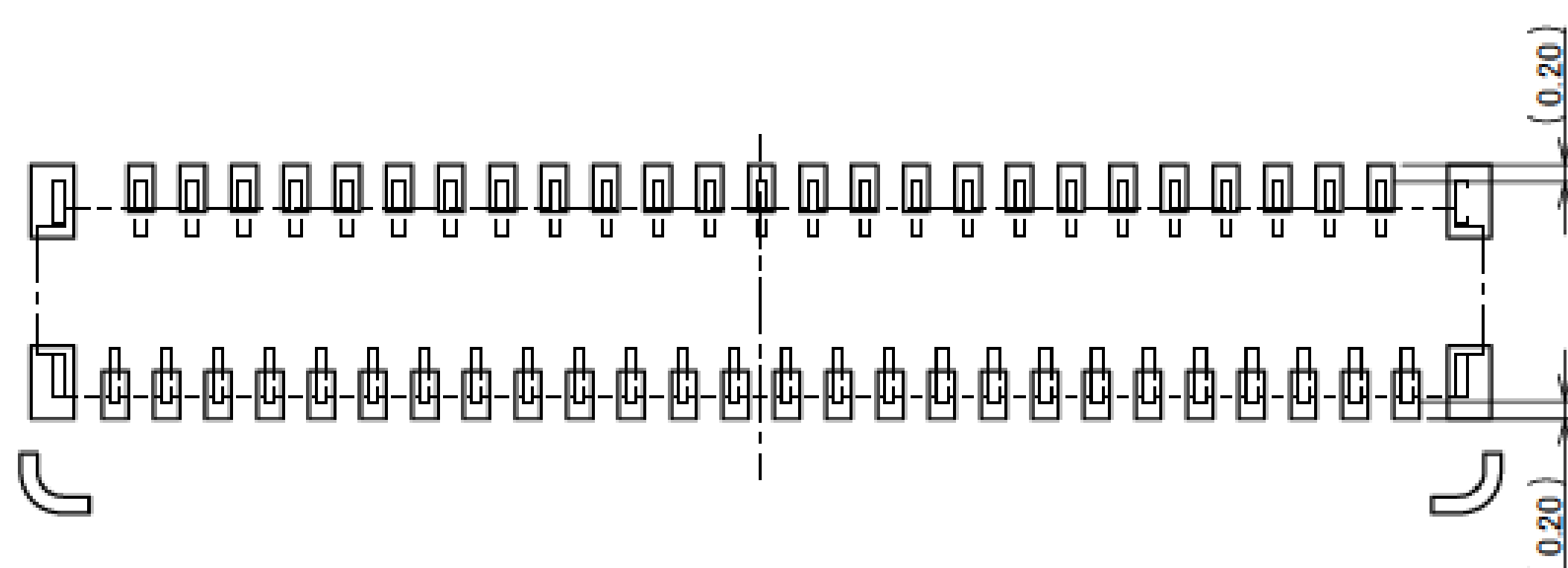
PREVENT SHORT CIRCUITS WHEN LEADING
SIGNAL LINES ON GROUND AREA.



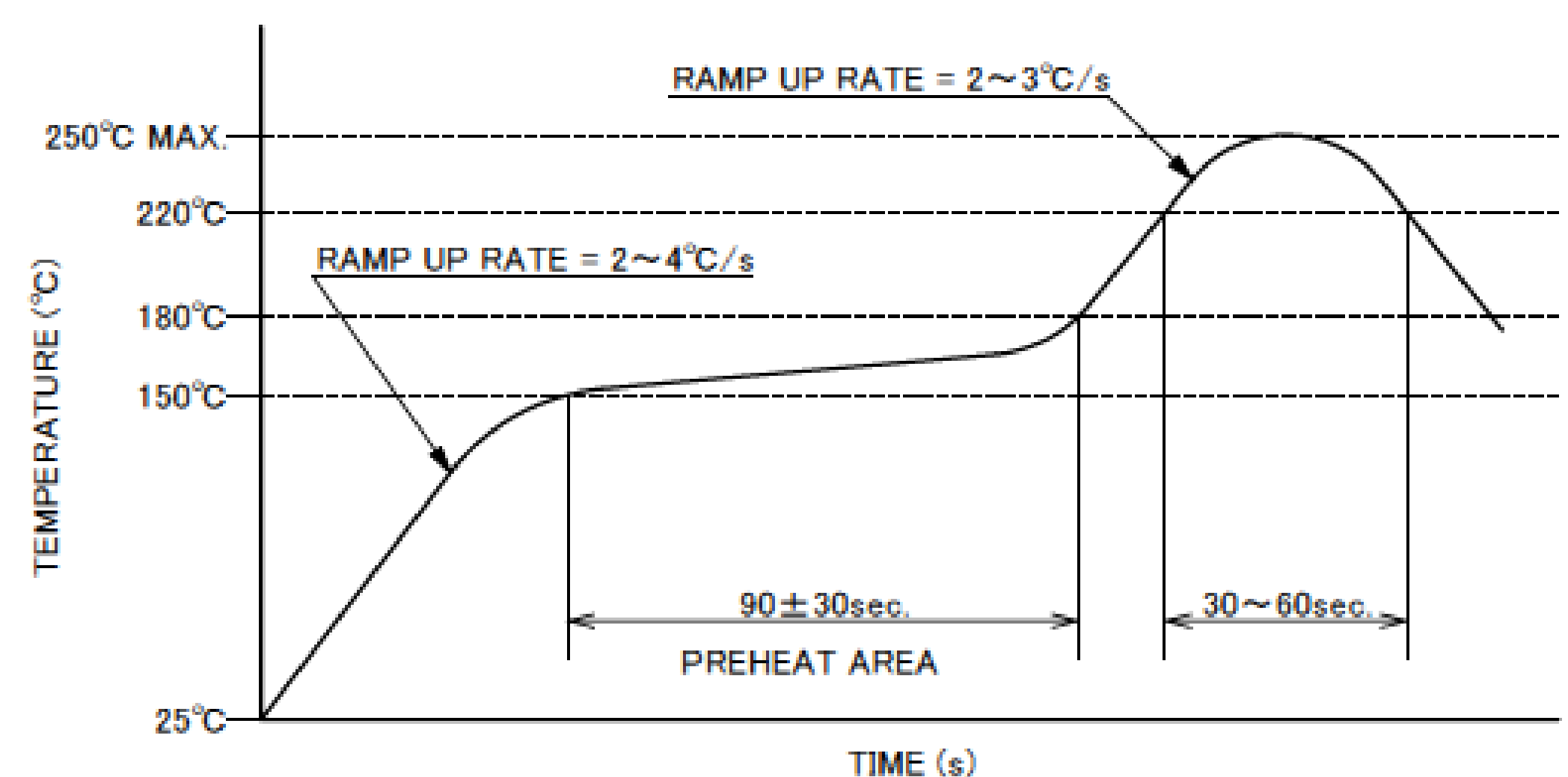
RECOMMENDED PCB LAYOUT & METAL MASK LAYOUT
METAL MASK THICKNESS : $t=0.12\text{mm}$



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

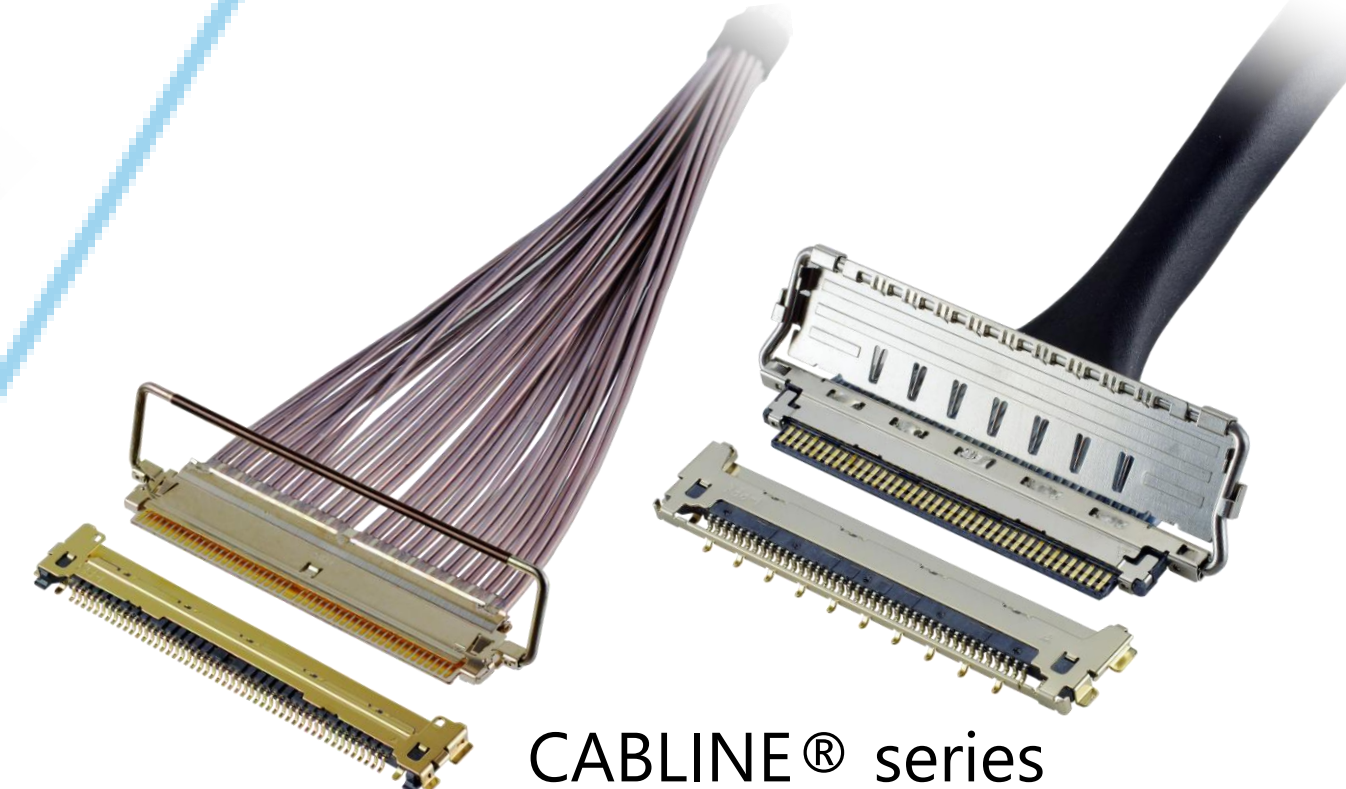
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT)
RATING AMPERAGE	0.3A DC (PER CONTACT)
OPERATING TEMPERATURE	233~358K (-40°C~+85°C)
OPERATING HUMIDITY	20~80%RH (NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC 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

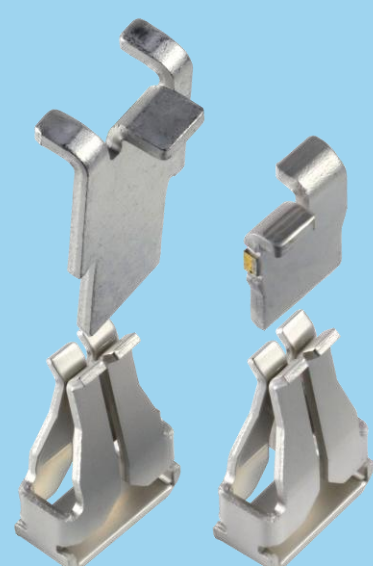


Micro-Coaxial/Twinaxial Connectors

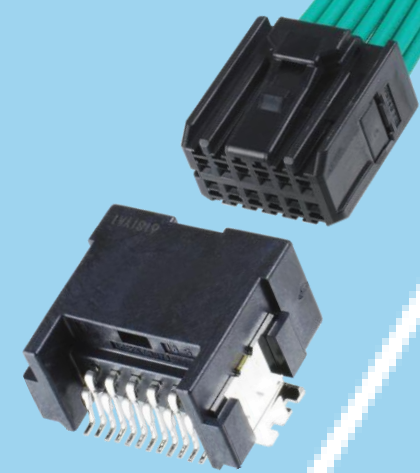


Wire-to-Board Connectors/ Terminals

AP series



ISH® series



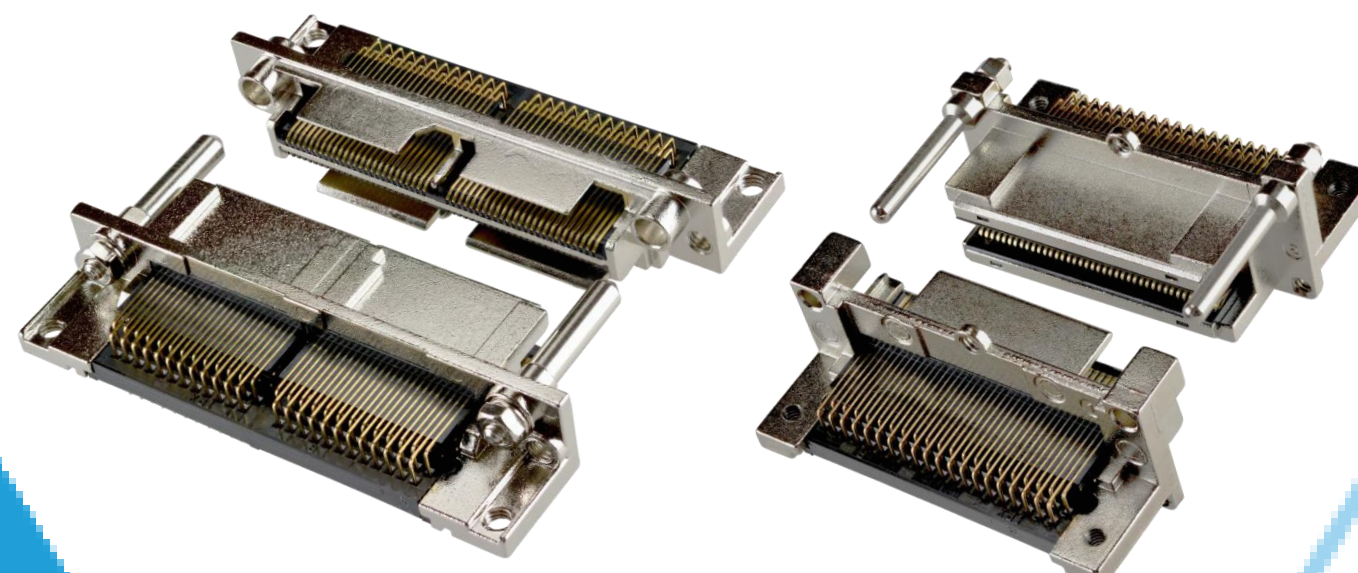
NOVASTACK® series



Board-to-Board Connectors

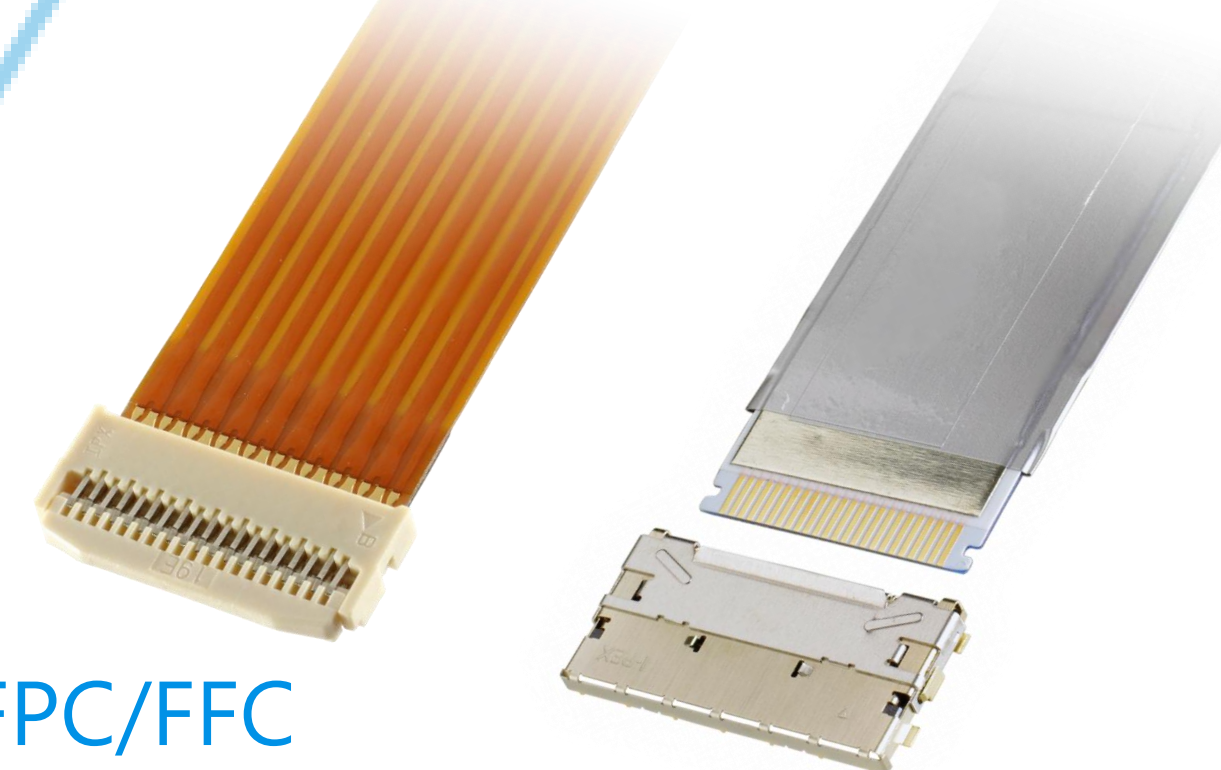


I/O Connectors



MINIDOCK™ series

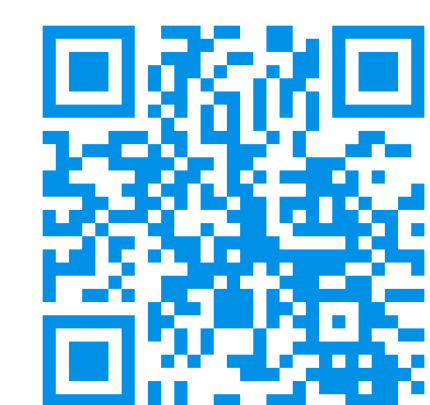
MINIFLEX® series EVAFLEX® series



FPC/FFC Connectors



Inquiry



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or more detailed information.

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