

MINIFLEX® 3-BFN L-HD

ホールドダウンによる堅牢性、ロングアクチュエータ、低背（高さ = 0.9 mm）、0.3 mmピッチ、水平嵌合、バックフリップ

Product Specifications:

Board Pitch (mm)	0.3
Wiping Length (mm)	Contact A:0.9
	Contact B:0.45
Size (mm)	Height 0.90 +/- 0.10
	Width Formula:1.5 + (0.3*?p)
	Depth Open:2.55 Close:3.5
Pin counts	Range 15-75 (odd)
	Available 51

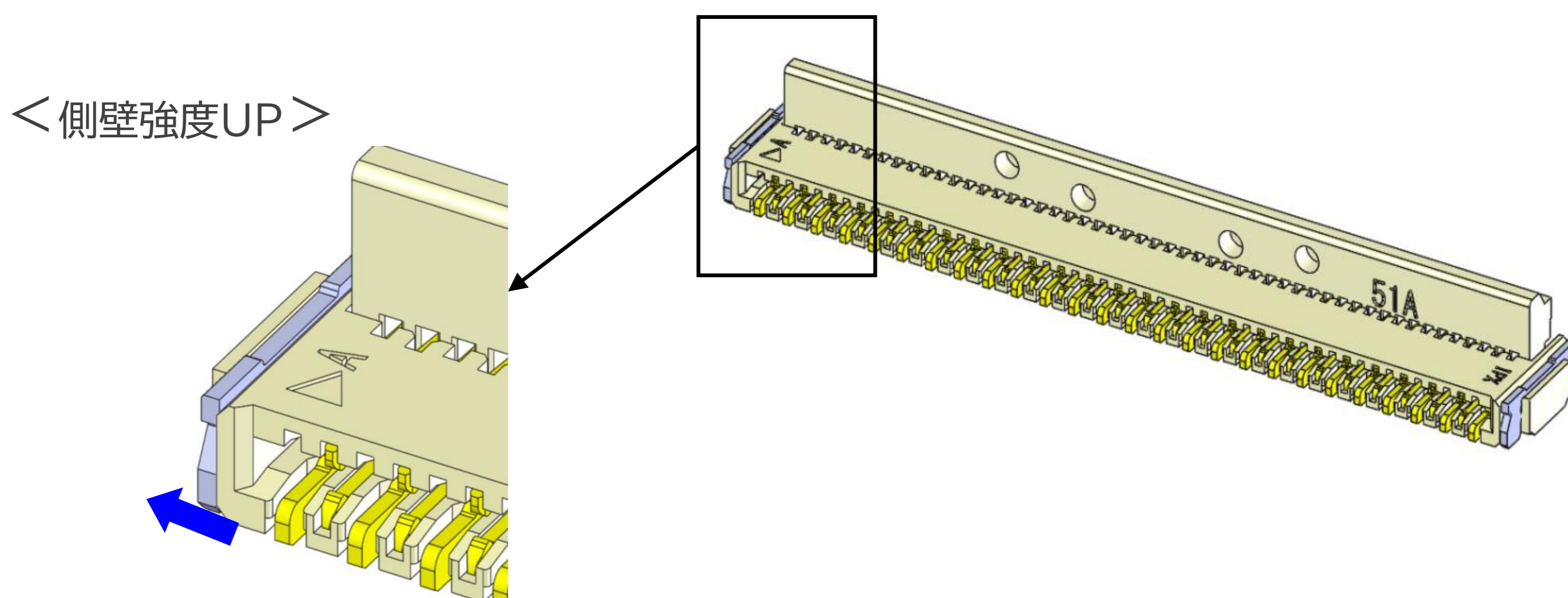
Applicable FPC/FFC:

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

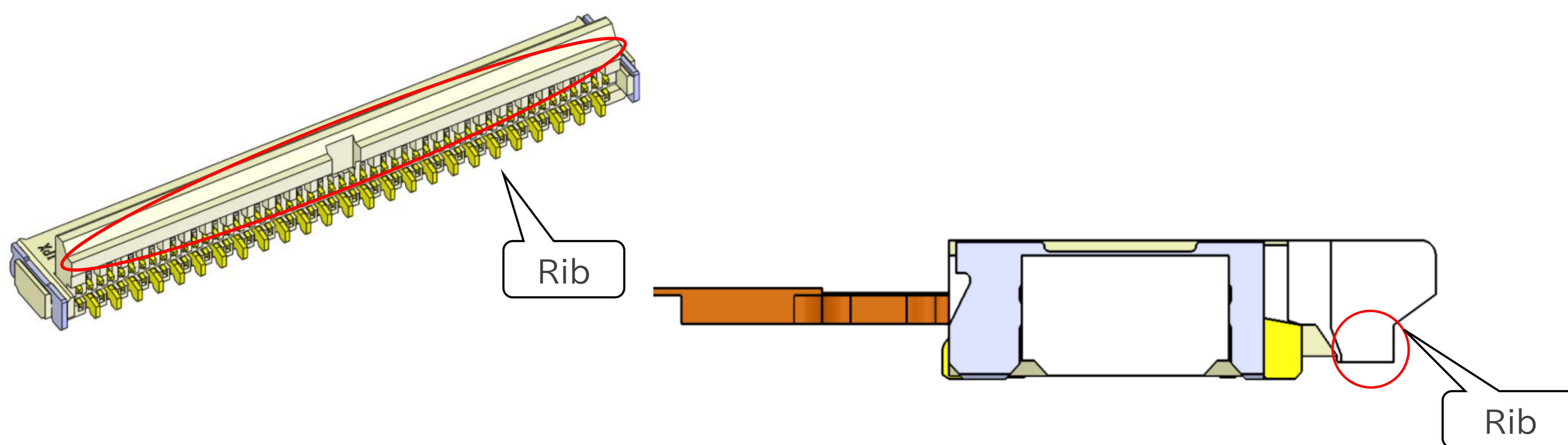
*記載のない極数の対応状況についてはお問い合わせください。



▶ ホールドダウンによる側壁強度UP



▶ コンタクト変形防止設計

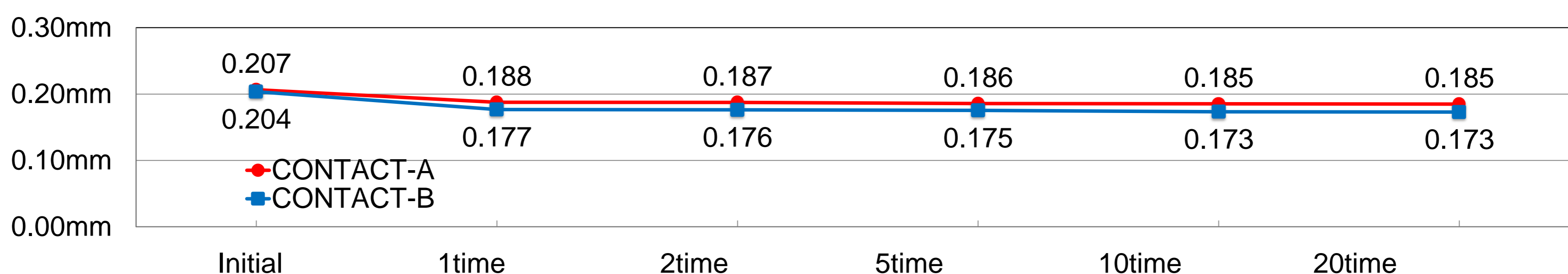


アクチュエータ操作時に引っ掛かりなどからコンタクトを保護する構造

▶ FPC未挿入状態でのアクチュエータ空閉じ操作

SMTプロセス後に、もしもFPC未挿入状態でアクチュエータを操作してしまった場合でも十分にコネクタとして機能します。

- FPC未挿入状態でのアクチュエータ空閉じ操作前後のコンタクト接点間寸法（表図 MINIFLEX® 3-BFN-L-HD 51 pins）

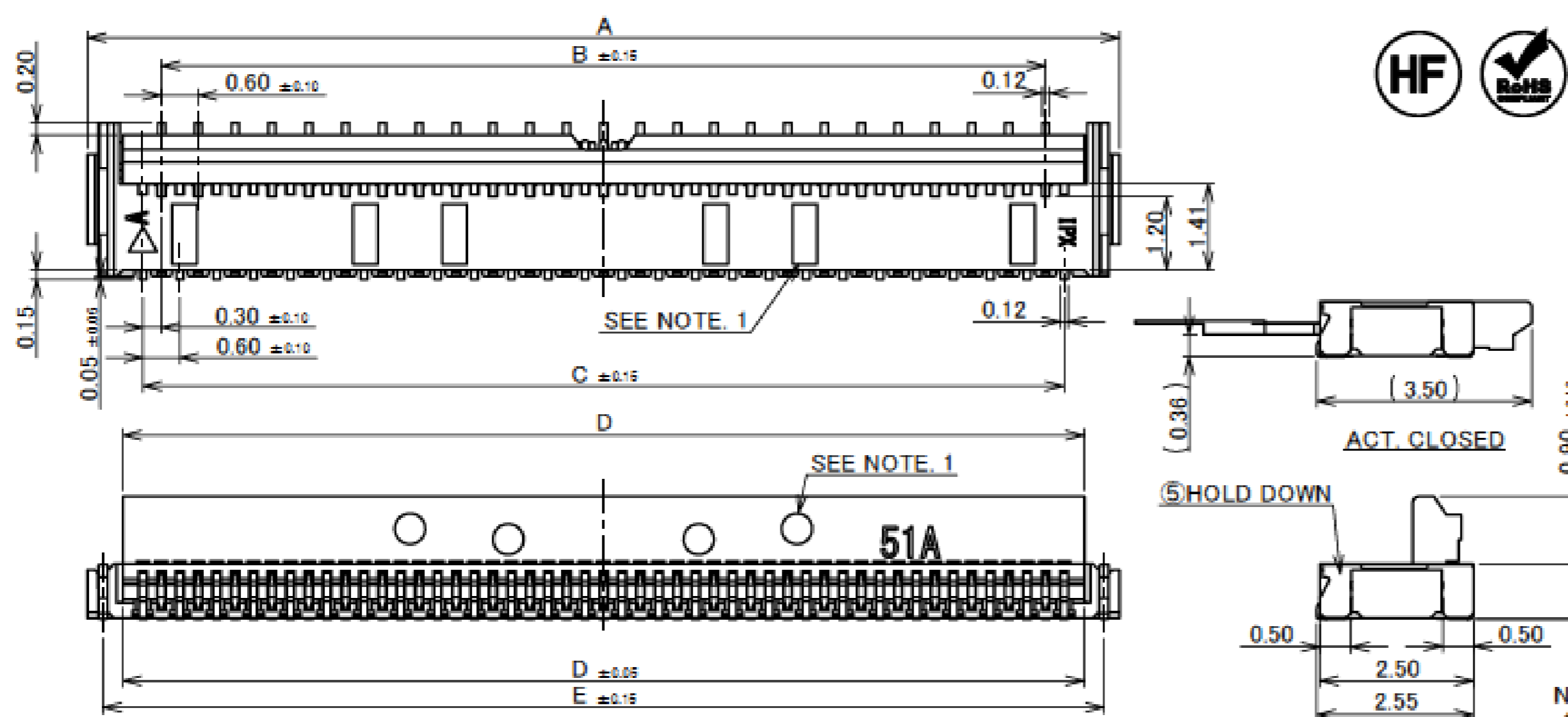


- FPC挿入力は上昇します
- FPC保持力に大きな変化はありません

Component Parts Details

Connector Assembly

Recommended P/N 20982-0**E-01



PART NO.	Pos.	A	B	C	D	E
◆20982-015E-01	15P	6.00	3.60	4.20	4.85	5.50
◆20982-033E-01	33P	11.40	9.00	9.60	10.25	10.90
◆20982-035E-01	35P	12.00	9.60	10.20	10.85	11.50
◆20982-037E-01	37P	12.60	10.20	10.80	11.45	12.10
◆20982-039E-01	39P	13.20	10.80	11.40	12.05	12.70
◆20982-041E-01	41P	13.80	11.40	12.00	12.65	13.30
◆20982-045E-01	45P	15.00	12.60	13.20	13.85	14.50
◆20982-049E-01	49P	16.20	13.80	14.40	15.05	15.70
◆20982-051E-01	51P	16.80	14.40	15.00	15.65	16.30
◆20982-055E-01	55P	18.00	15.60	16.20	16.85	17.50
◆20982-057E-01	57P	18.60	16.20	16.80	17.45	18.10
◆20982-061E-01	61P	19.80	17.40	18.00	18.65	19.30
◆20982-065E-01	65P	21.00	18.60	19.20	19.85	20.50
◆20982-067E-01	67P	21.60	19.20	19.80	20.45	21.10
◆20982-071E-01	71P	22.80	20.40	21.00	21.65	22.30
◆20982-075E-01	75P	24.00	21.60	22.20	22.85	23.50

◆ MARK MEANS NOT AVAILABLE.

NOTES:
 1. THIS DENT SHAPE IS PURPOSED FOR GOOD INJECTION QUALITY. THIS DENT SHAPE WILL NOT AFFECT CONNECTR FUNCTION. DENT SHAPE SHOWN ON DRAWING IS JUST FOR REFERENCE. DENT SHAPE AND QUANTITY MIGHT CHABGE FROM DIFFERENT PIN COUNT AND DIFFERENT TOOLING.
 2. CONTACT POINT: TOP AND BOTTOM CONTACT

CAUTION VISIT OUR WEBSITE FOR LATEST VERSIONS OF INSTRUCTION MANUAL NO. HIM-12007 TO HANDLE THE PRODUCT PROPERLY AND SAFELY.

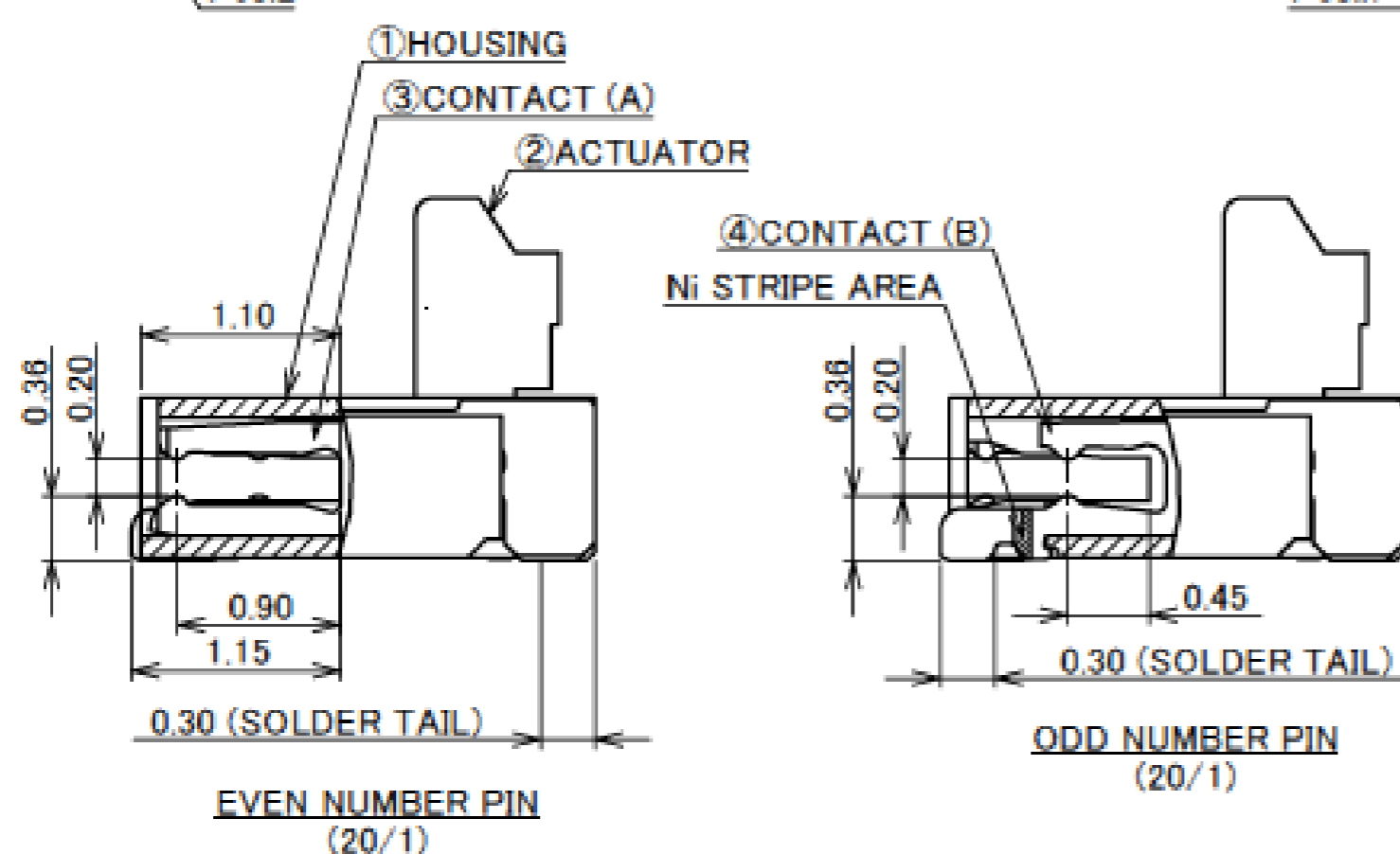
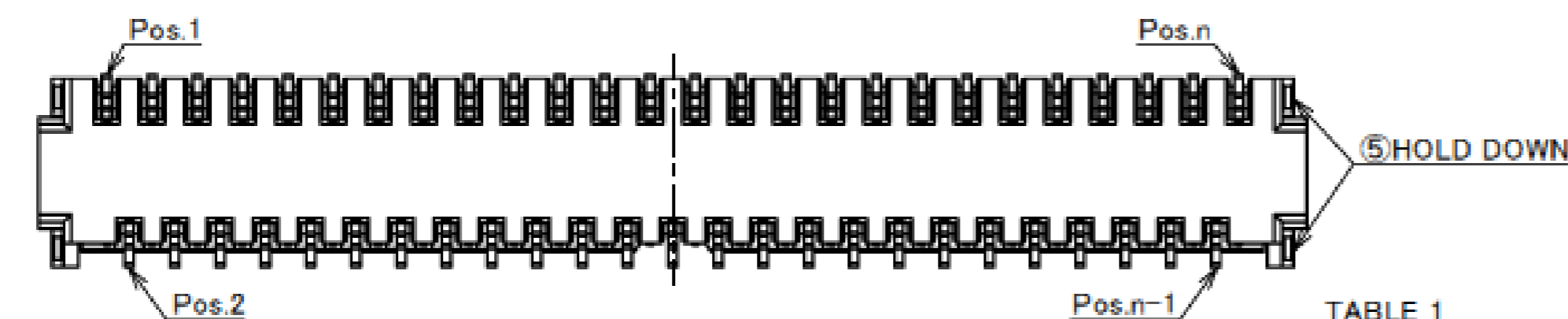
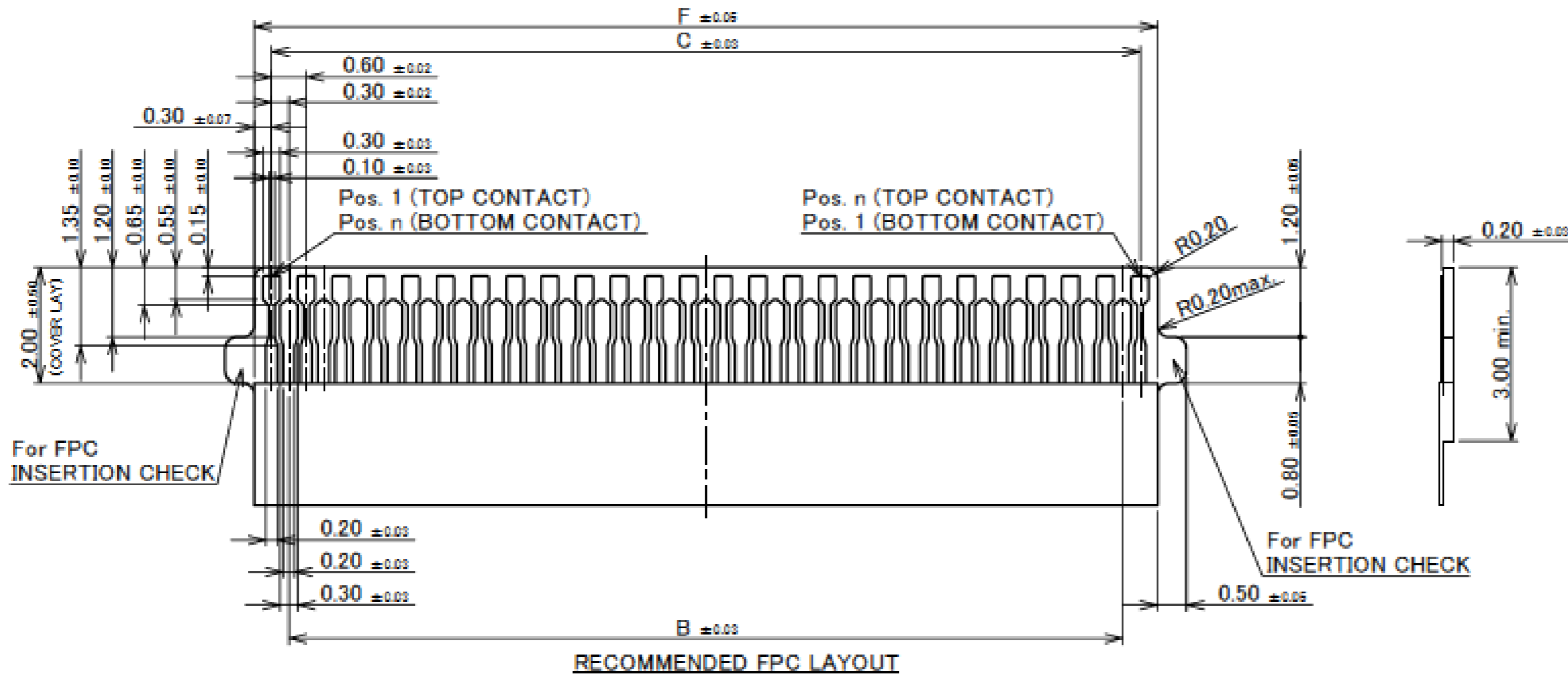


TABLE 1

PART NO.	FINISH		
20982-0**E-01	CONTACT AREA : Au 0.10 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.		
5	HOLD DOWN	PHOSPHOR BRONZE	Sn 2~6 μm MIN. OVER Ni 1.00 μm MIN.
4	CONTACT (B)	PHOSPHOR BRONZE	SEE TABLE 1, WITH Ni STRIPE
3	CONTACT (A)	PHOSPHOR BRONZE	SEE TABLE 1
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

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
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◆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.

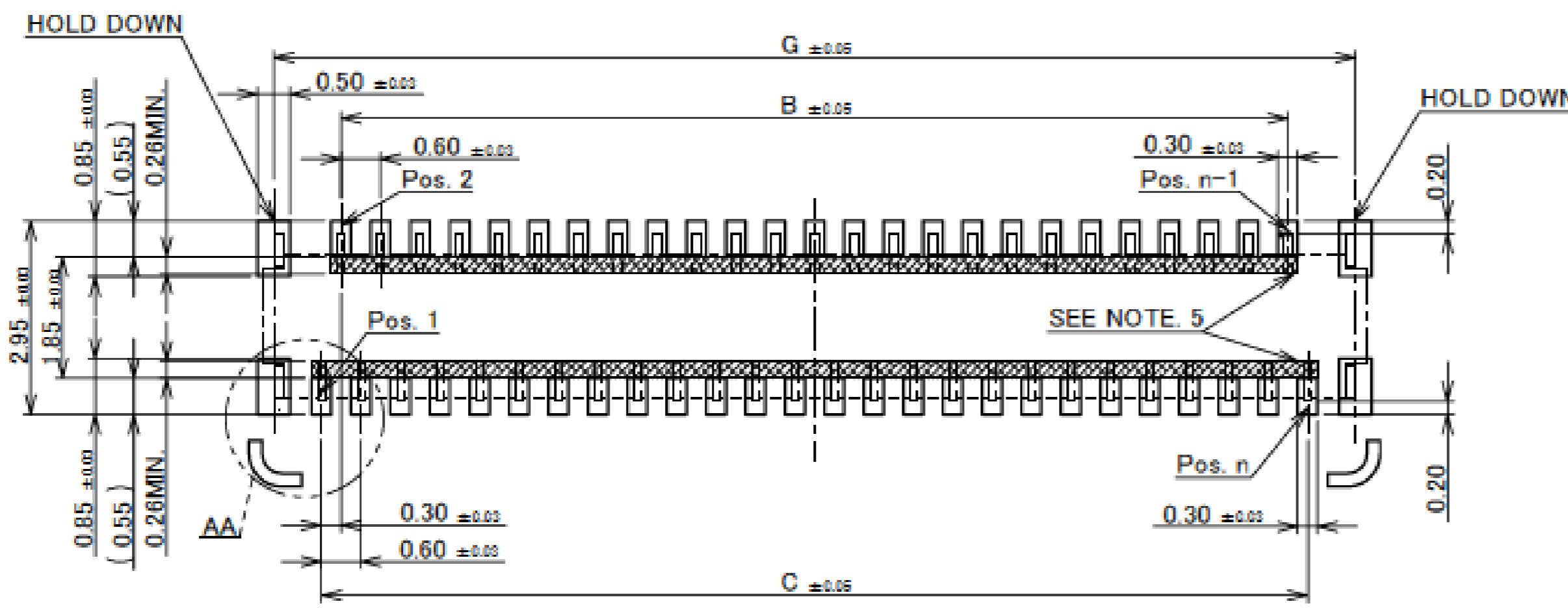
3. MATERIAL

- COVER FILM : PI
- CONDUCTOR : COPPER(RARE)
- BASE FILM : PI
- STIFFENER : PI
- ADHESIVE : THERMOSETTING ADHESIVE

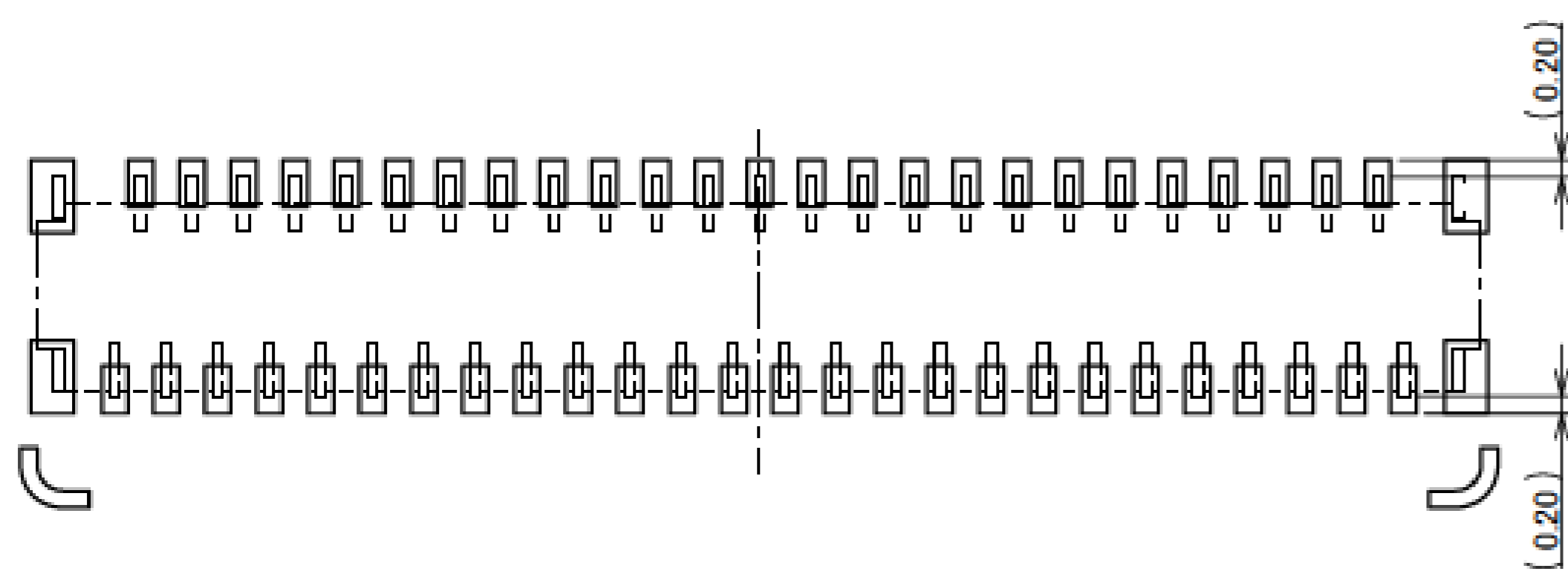
4. FINISH

Au OVER Ni UNDER PLATING.

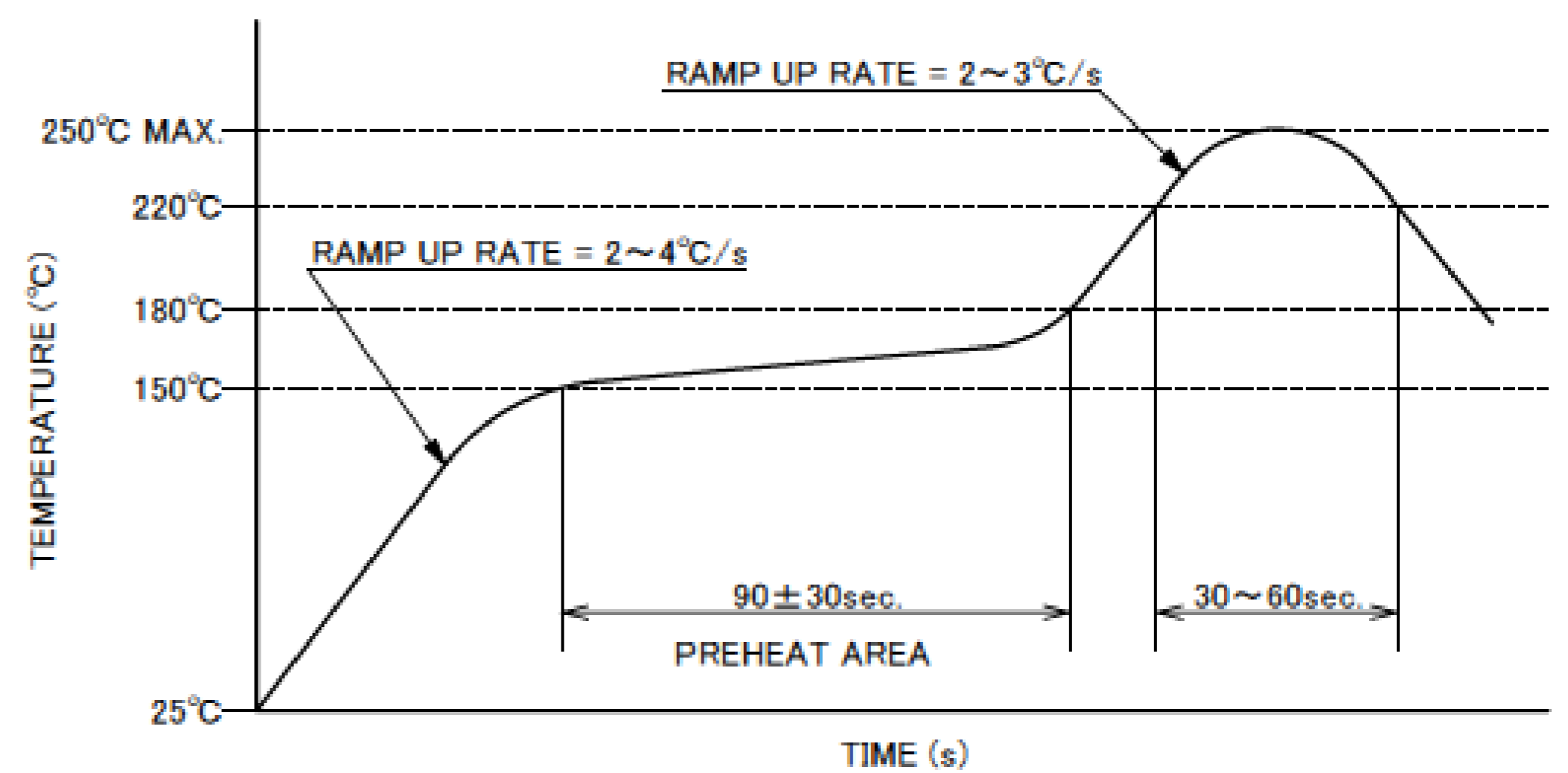
- 5. SOLDER RESIST SHALL BE APPLIED TO PREVENT SHORT CIRCUITS WHEN PLACING SIGNAL LINES ON GROUND AREA.



RECOMMENDED PCB LAYOUT & METAL MASK LAYOUT
METAL MASK THICKNESS : t=0.12mm



CONNECTOR ON RECOMMENDED PCB LAYOUT



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

Rev.0

Rev.0

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 : \triangleleft 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) \times n MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20 CYCLES)	INITIAL / 20 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-2650
TEST REPORT	TR-20010
PACKING STANDARD	PST-15093
INSTRUCTION MANUAL	HIM-12007
APPEARANCE CRITERIA No.	QLS-A***

※ "n" IS THE NUMBER OF PIN


Rev.0

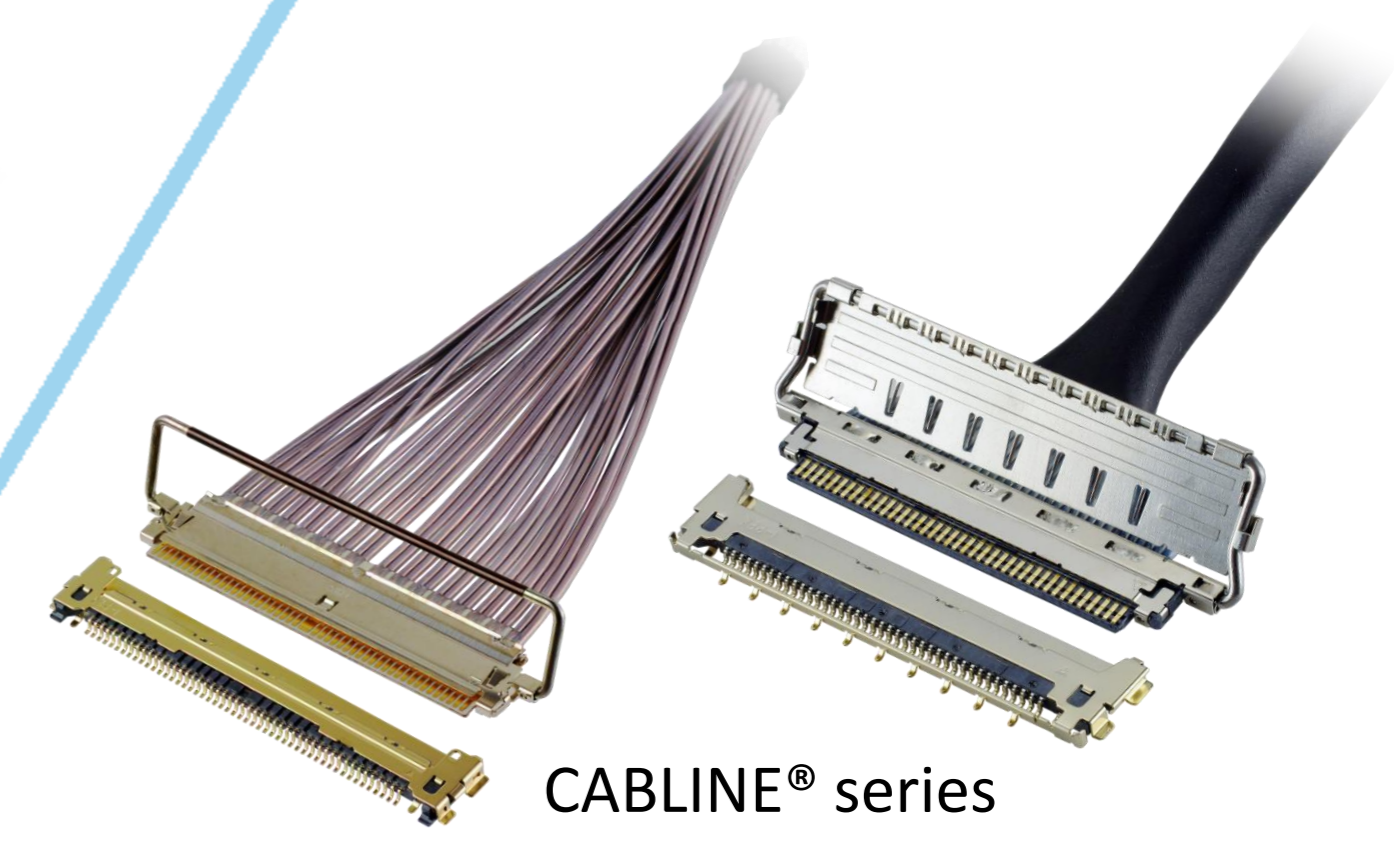
Custom Connectors Available

 RF Connector

MHF® series



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



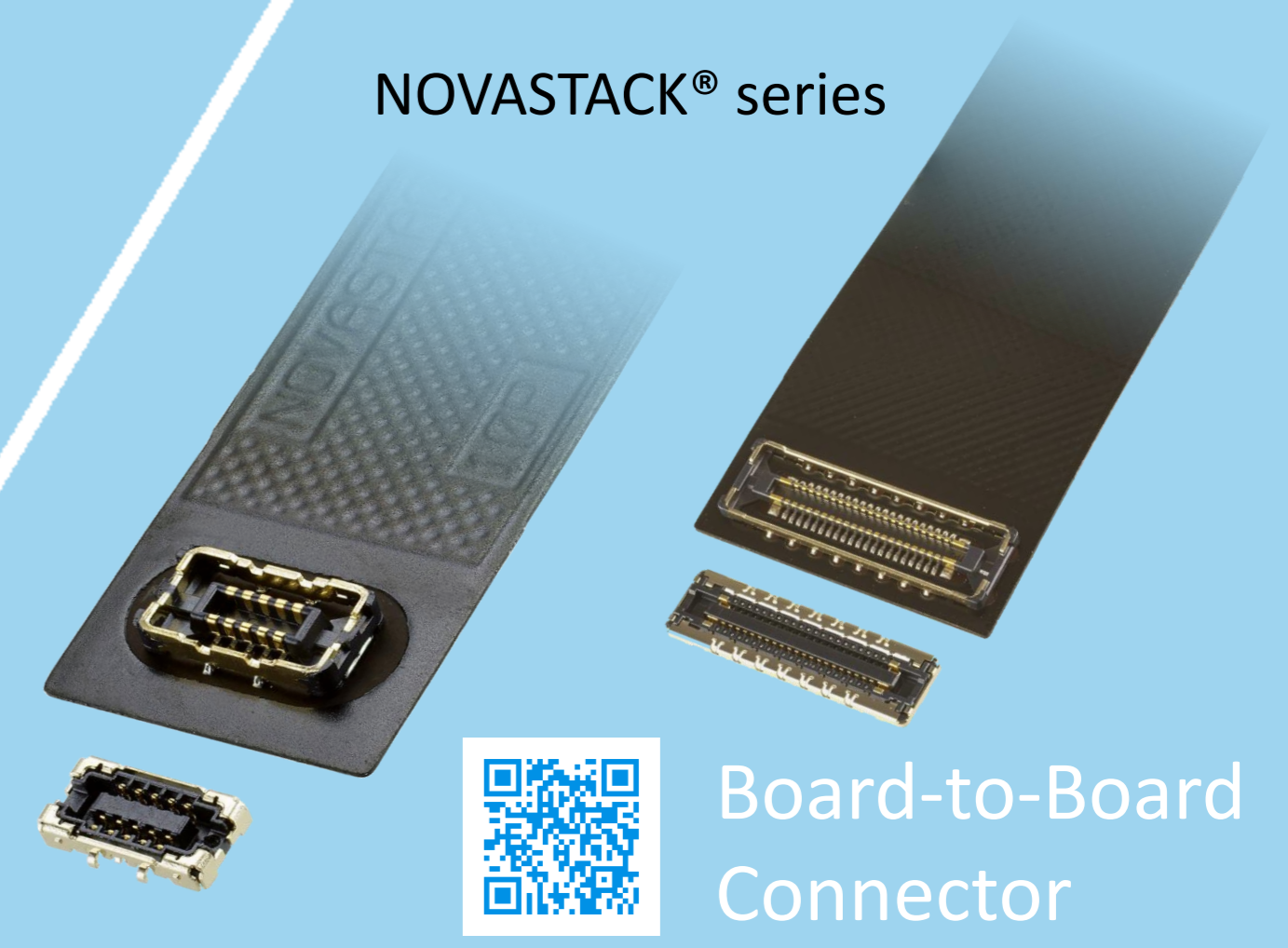
 Optical Module

LIGHTPASS® series



NOVASTACK® series

 Board-to-Board Connector



 Power Connector/
Terminal

AP series

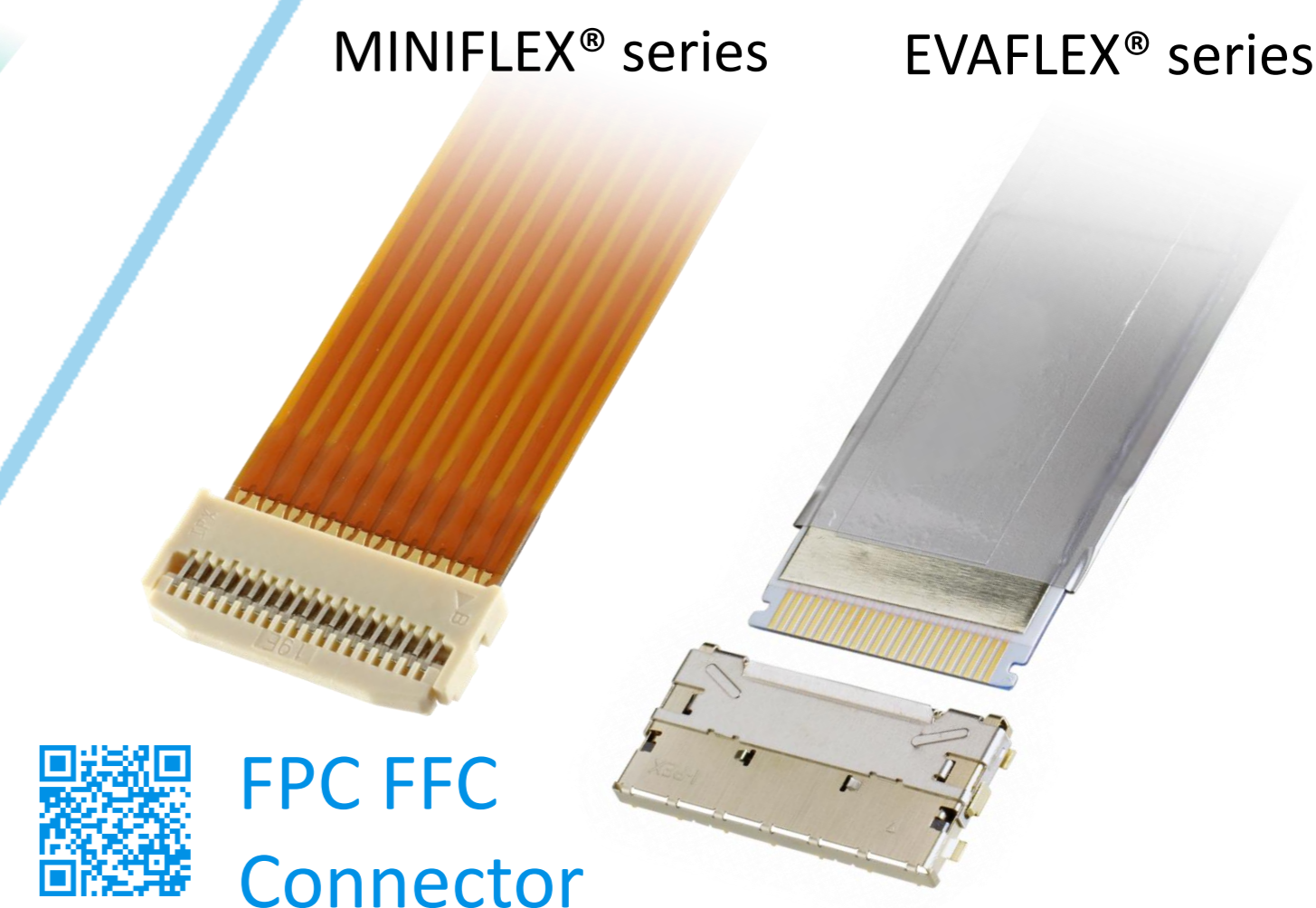
ISH® series



MINIFLEX® series

EVAFLEX® series

 FPC FFC Connector

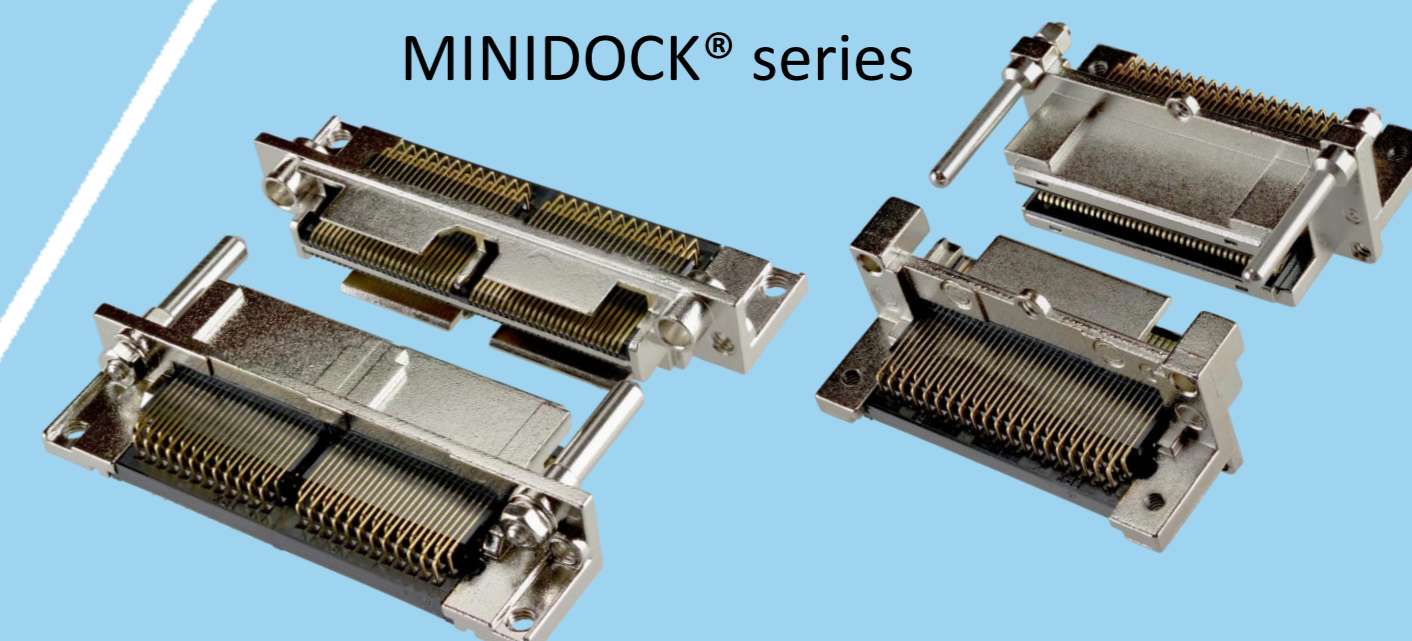


Inquiry



MINIDOCK® series

 I/O Connector



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