

MINIFLEX® 4-ST

超低背(高度 = 0.5 mm) · 0.4 mm間距, 水平插拔, 後鎖式

Product Specifications:

Board Pitch (mm)		0.4
Wiping Length (mm)		0.8
Size (mm)	Height	0.50 +/- 0.05
	Width	Formula: 1.9+(0.4*?p)
	Depth	Open: 2.7 Close: 3.0
Pin counts	Range	4-15
	Available	4, 6, 8, 10, 12

*若有規格外 Pin 數需求,請與當地負責業務窗口聯繫。

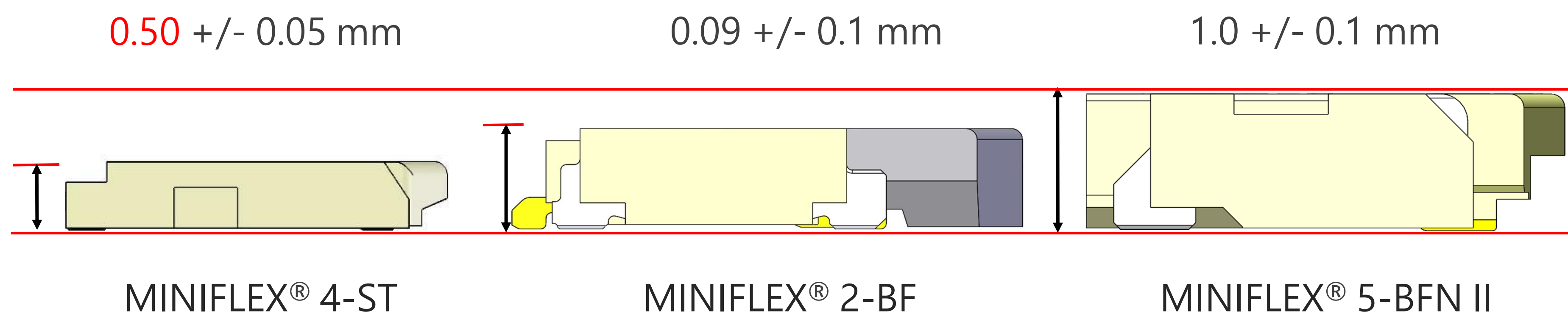
Applicable FPC/FFC:

FPC/FFC Contact Pitch	0.4
FPC/FFC Contact Point	Top
FPC/FFC Thickness (mm)	0.12 +/- 0.03

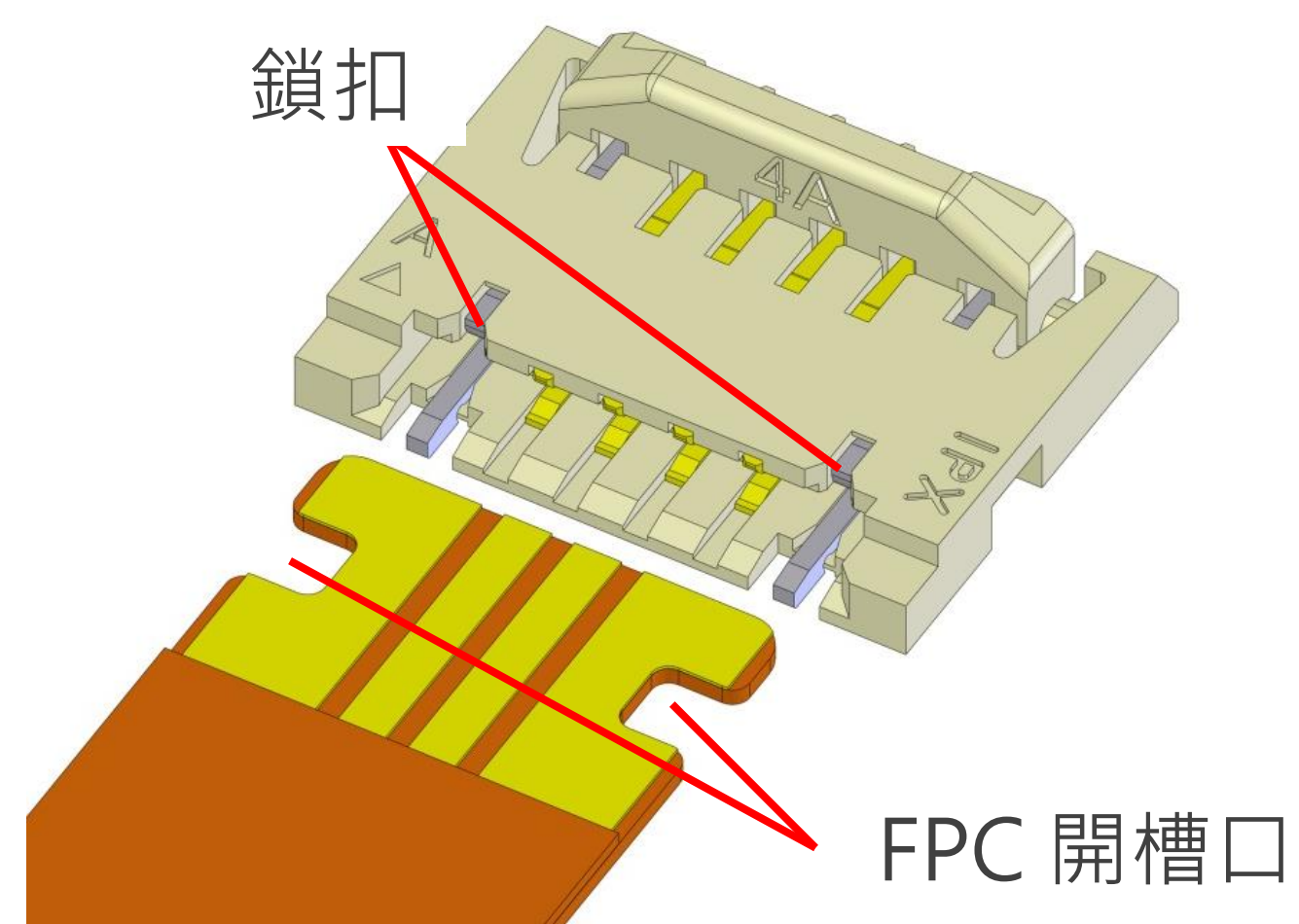


► 超薄型產品，高度0.5 mm

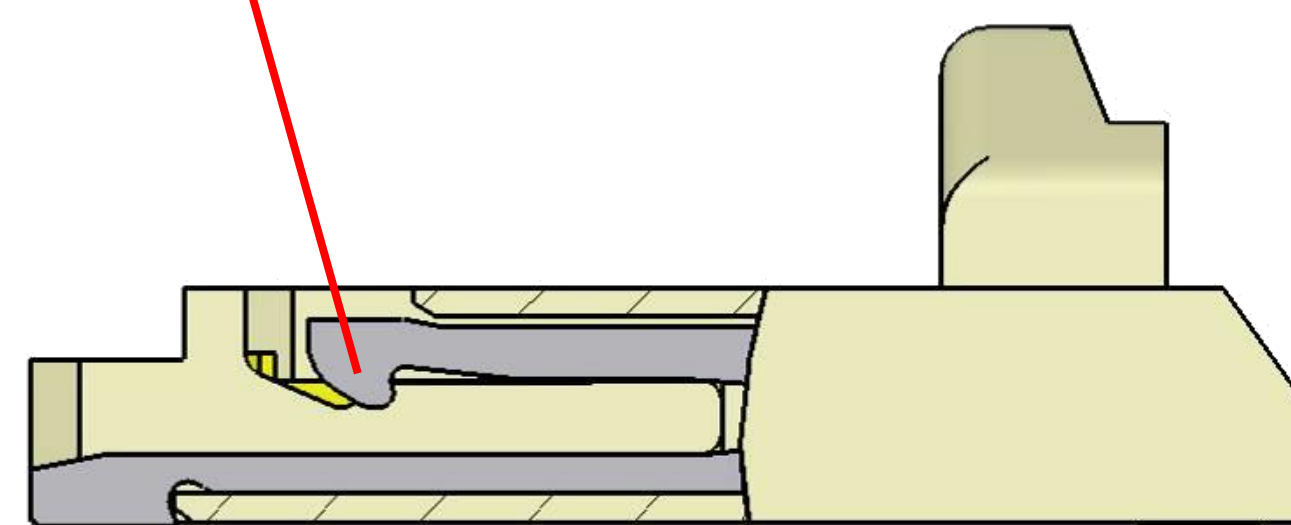
在我司MINIFLEX 系列產品組中高度是最低的



► 附加機械鎖扣提高 FPC 保持力



FPC 鎖扣提高
FPC保持力



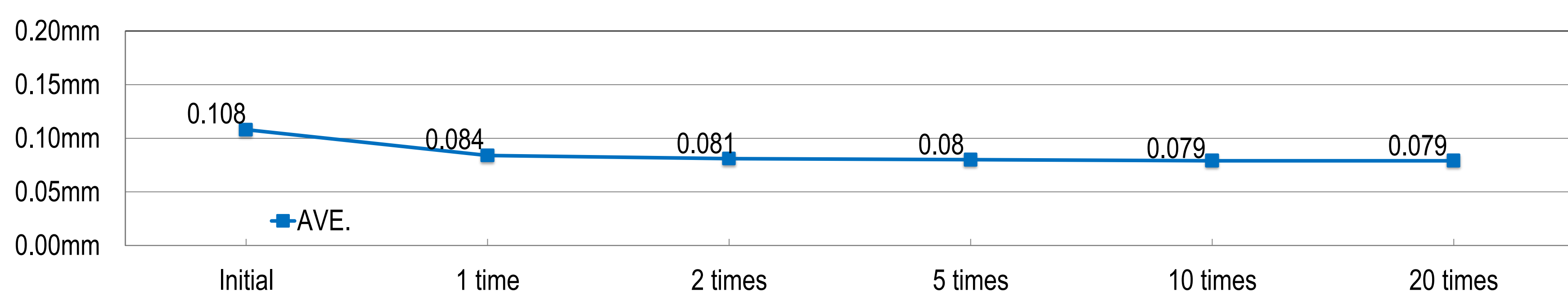
FPC保持力比較 (6 p)

5.121 N

► 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® 4-ST 10 pins)



■ FPC插入力上升

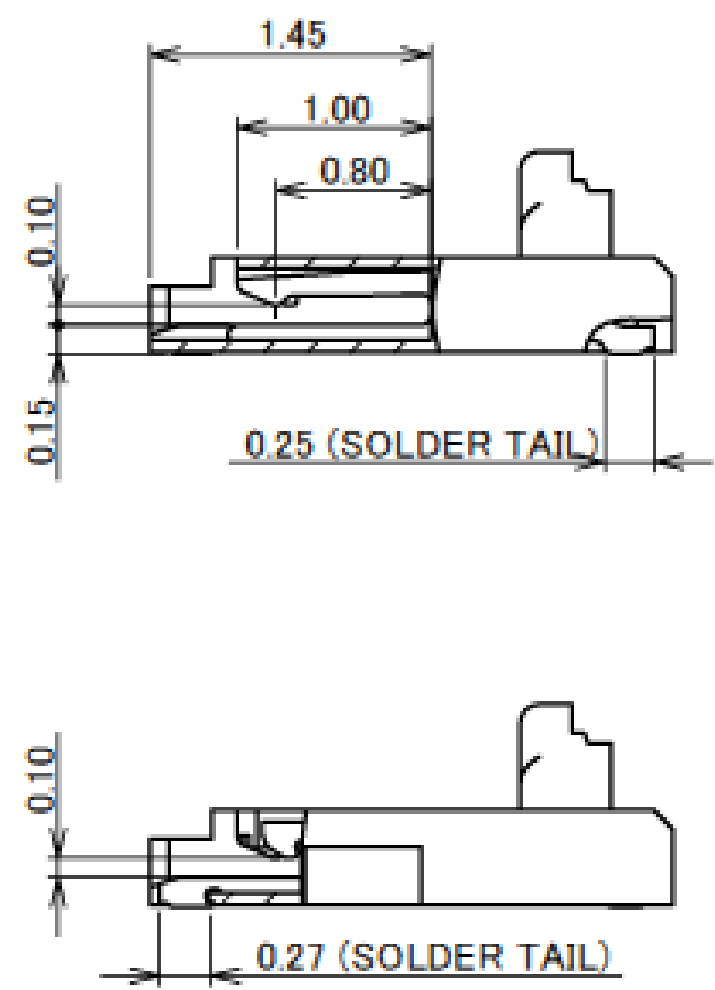
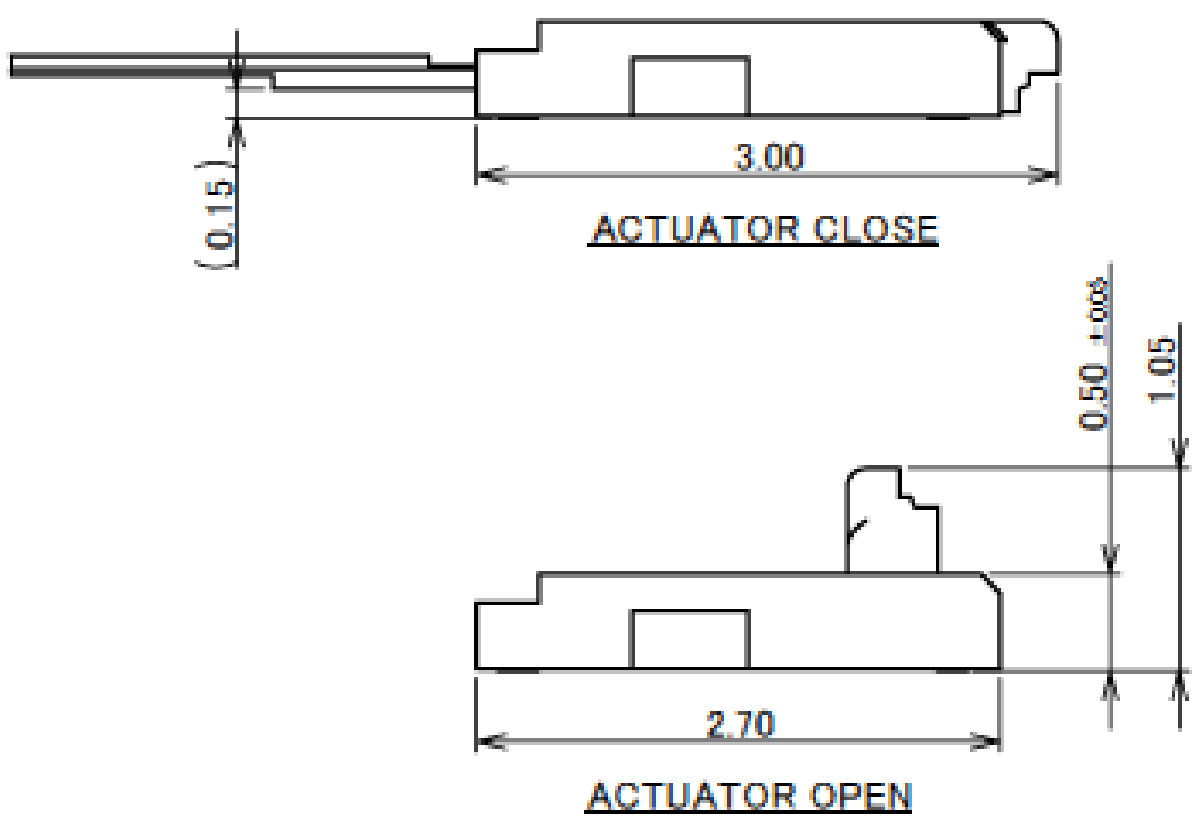
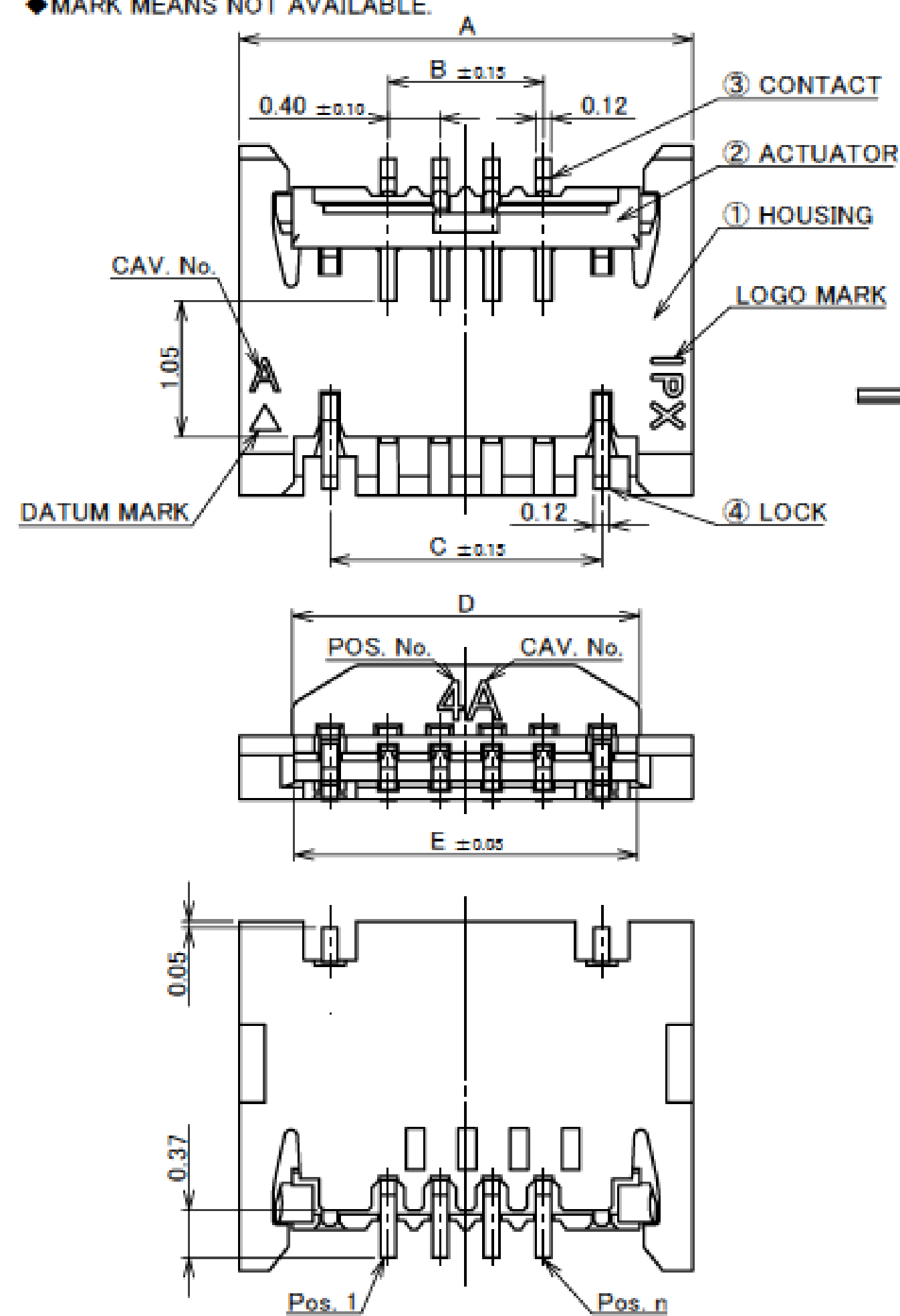
■ FPC保持力無太大變化

Component Parts Details

Connector Assembly

Recommended P/N		20588-0**E-01				
PART No.	Pos.	A	B	C	D	E
20588-004E-01	4P	3.50	1.20	2.10	2.68	2.65
20588-006E-01	6P	4.30	2.00	2.90	3.48	3.45
20588-008E-01	8P	5.10	2.80	3.70	4.28	4.25
20588-010E-01	10P	5.90	3.60	4.50	5.08	5.05
20588-012E-01	12P	6.70	4.40	5.30	5.88	5.85
◆20588-014E-01	14P	7.50	5.20	6.10	6.68	6.65
◆20588-015E-01	15P	7.90	5.60	6.50	7.08	7.05

◆ MARK MEANS NOT AVAILABLE.



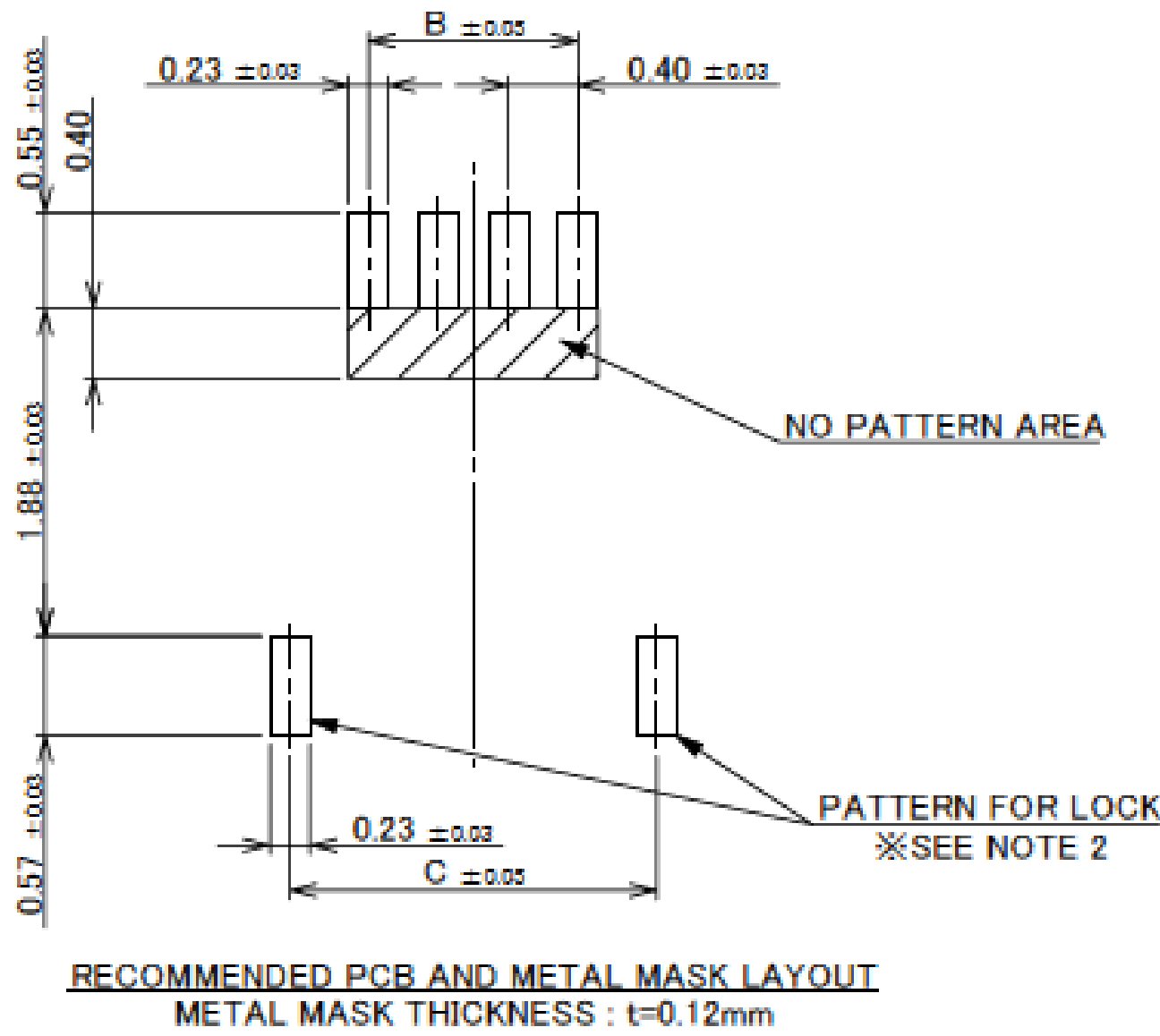
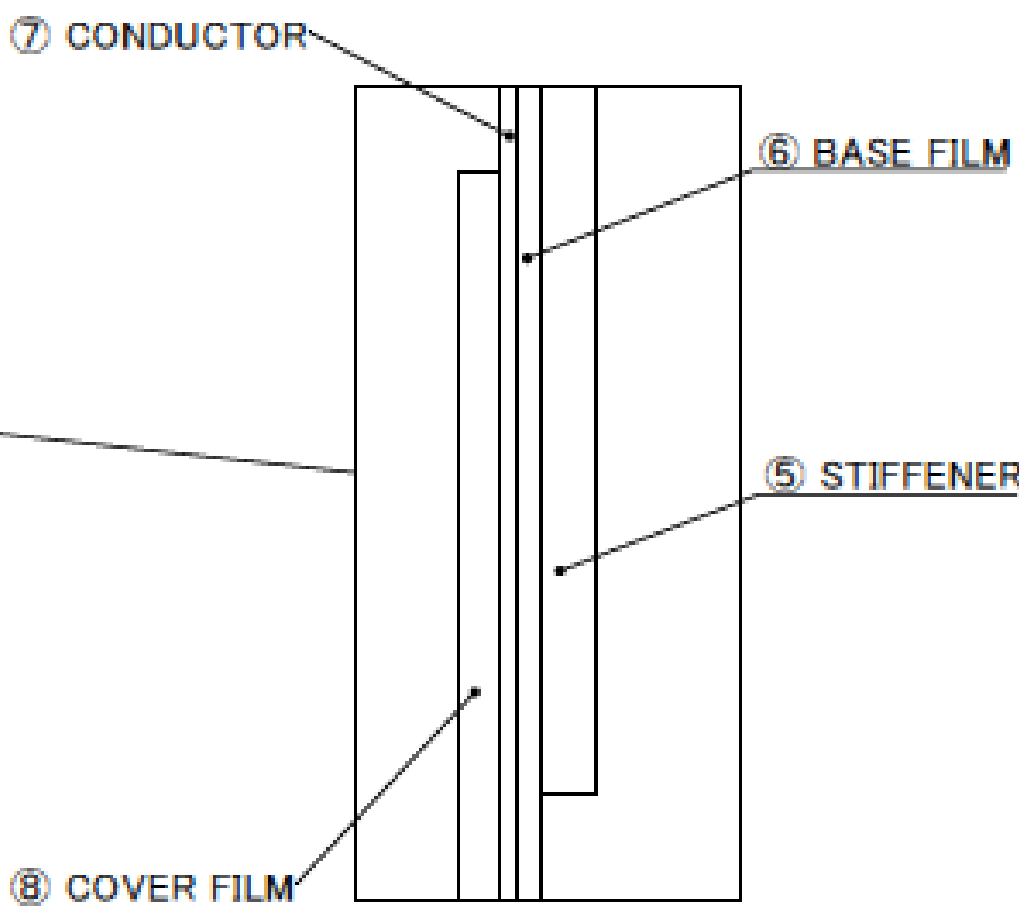
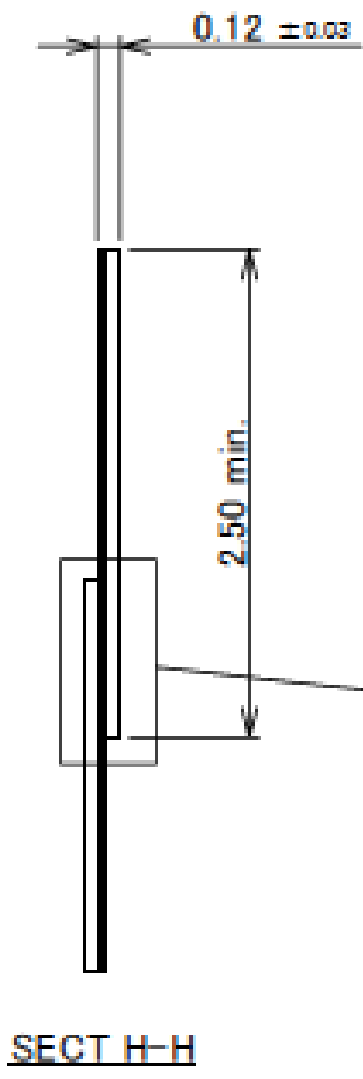
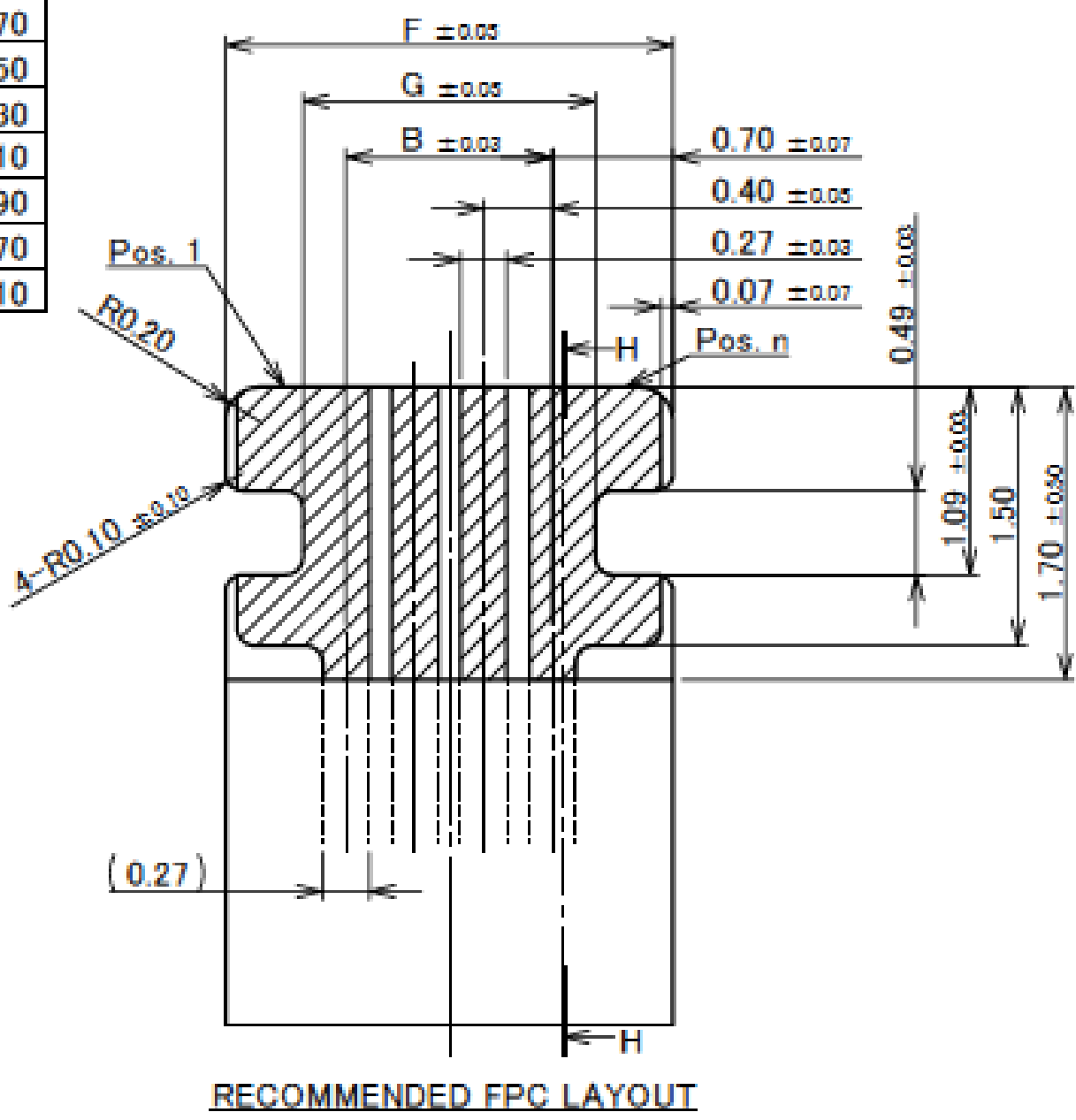
4	LOCK	PHOSPHOR BRONZE	SOLDER AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN. OTHER : Ni 1.00 μ m MIN.
3	CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDER AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

NOTES
1. CONTACT POINT : ONLY UPPER CONTACT



Connector Assembly

Pos.	B	C	F	G
4P	1.20	2.10	2.60	1.70
6P	2.00	2.90	3.40	2.50
8P	2.80	3.70	4.20	3.30
10P	3.60	4.50	5.00	4.10
12P	4.40	5.30	5.80	4.90
14P	5.20	6.10	6.60	5.70
15P	5.60	6.50	7.00	6.10

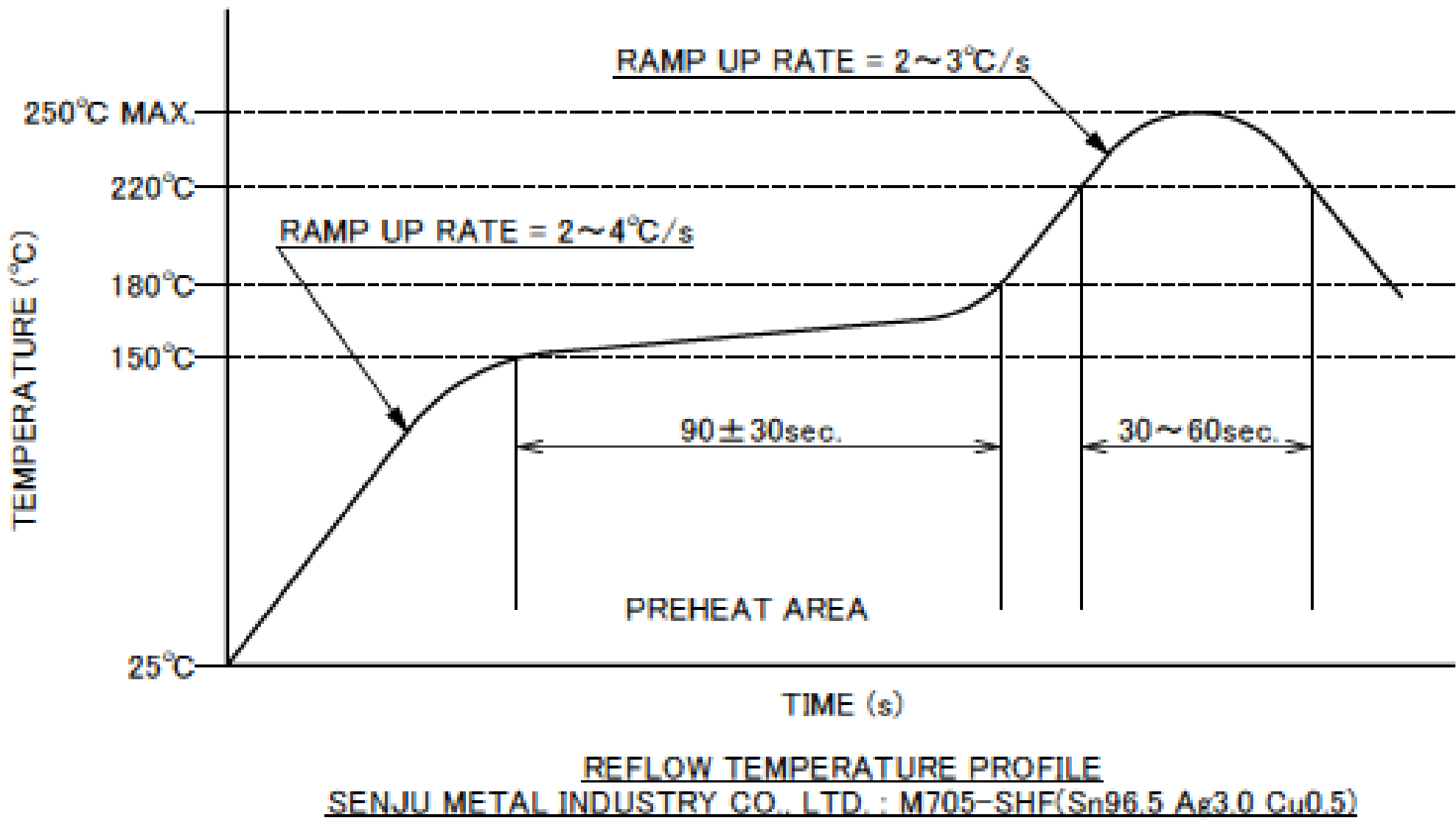
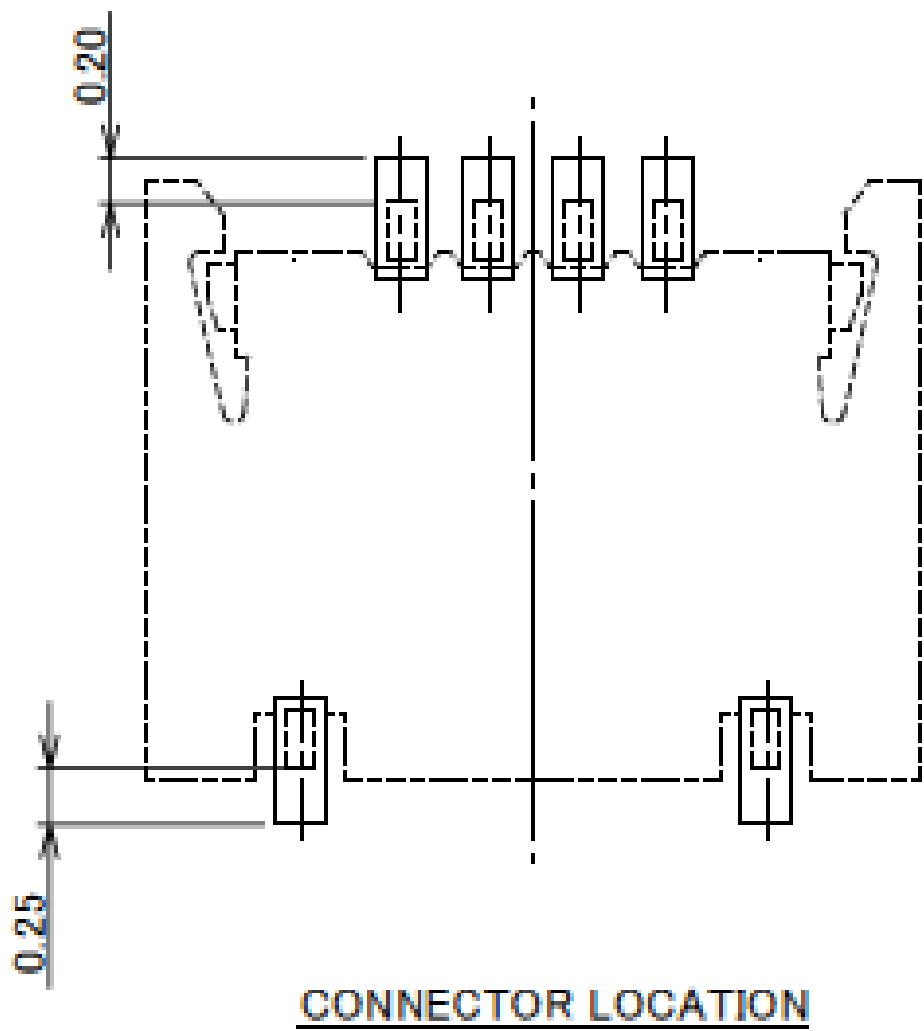


NOTES.

2. PLEASE DO NOT CONNECT THESE TWO SOLDER PADS TO THE ELECTRICAL CIRCUIT. (SIGNAL OR GROUND)

3. ADHESIVE SHOULD USE THERMOSETTING.

8	COVER FILM	PI	
7	CONDUCTOR	COPPER	Au OVER Ni UNDER PLATING
6	BASE FILM	PI	
5	STIFFENER	PI	
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS



Connector Assembly

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.4A DC (PER CONTACT)/ 6.0A DC (PER CONNECTOR)
OPERATING TEMPERATURE	233~358K(-40℃~+85℃)
OPERATING HUMIDITY	20~80% (NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 60mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 100Mohm MIN. / AFTER TEST : 100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V
DURABILITY	20 CYCLES
ACT CLOSING FORCE (INITIAL / AFTER TEST)	4P : 1.8N MAX. / 6P : 2.4N MAX. / 8P : 3.0N MAX. 10P : 3.6N MAX. / 12P : 4.2N MAX.
ACT RELEASING FORCE (INITIAL / AFTER TEST)	4P : 0.06N MIN. / 6P : 0.08N MIN. / 8P : 0.10N MIN. 10P : 0.12N MIN. / 12P : 0.14N MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	4P : 2.50N MIN. / 6P : 2.62N MIN. / 8P : 2.74N MIN. 10P : 2.86N MIN. / 12P : 2.98N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-1863
TEST REPORT	TR-13088
PACKING STANDARD	PST-13049
INSTRUCTION MANUAL	HIM-14024
APPEARANCE CRITERIA No.	QLS-A***

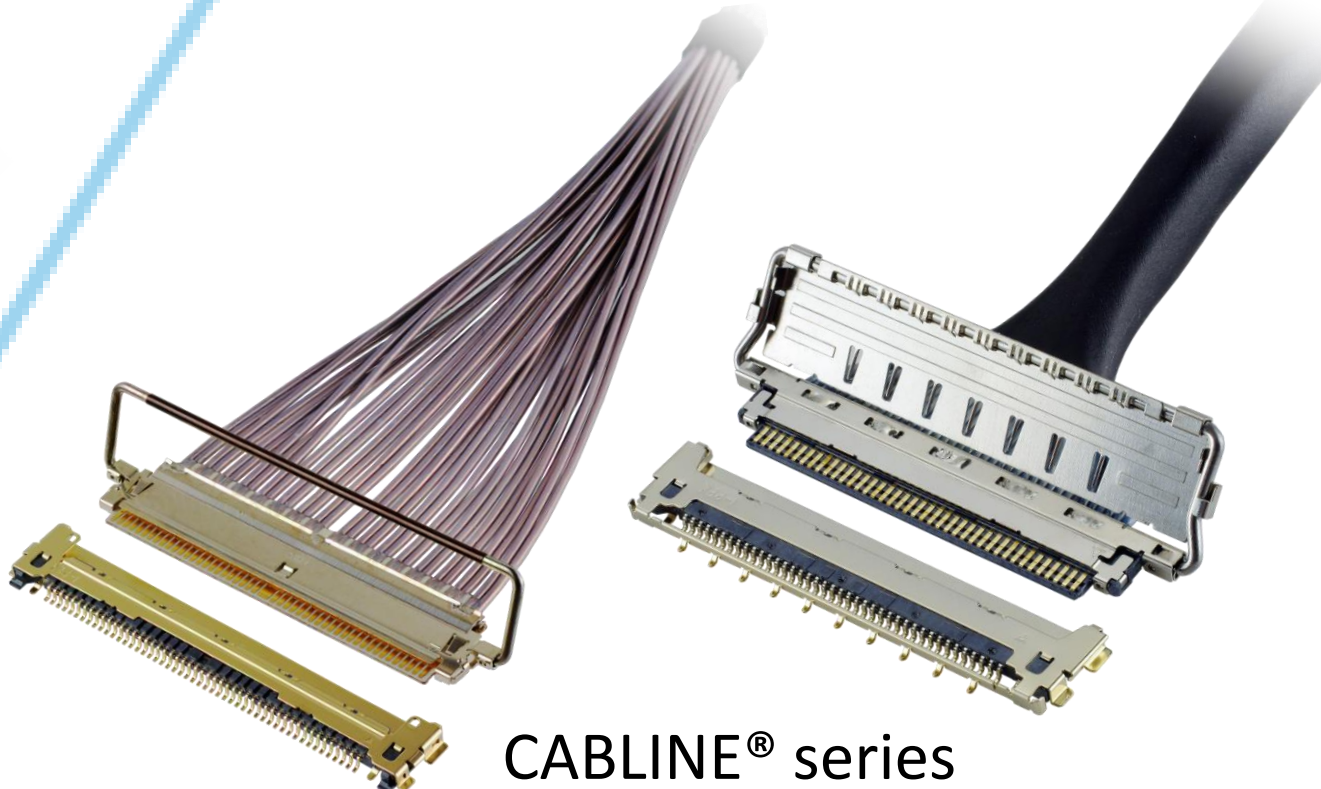
Custom Connectors Available

 RF
Connectors

MHF® series



CABLINE® series



Micro-coaxial/Twinax
Connectors

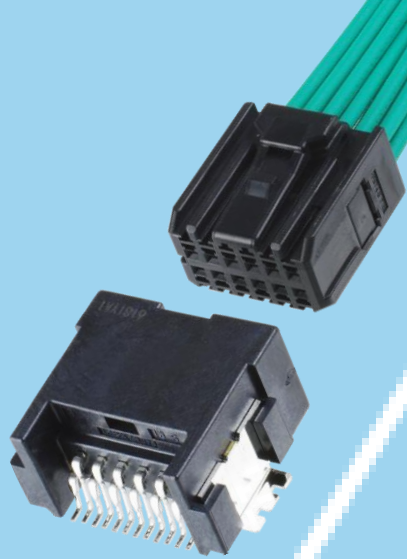


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



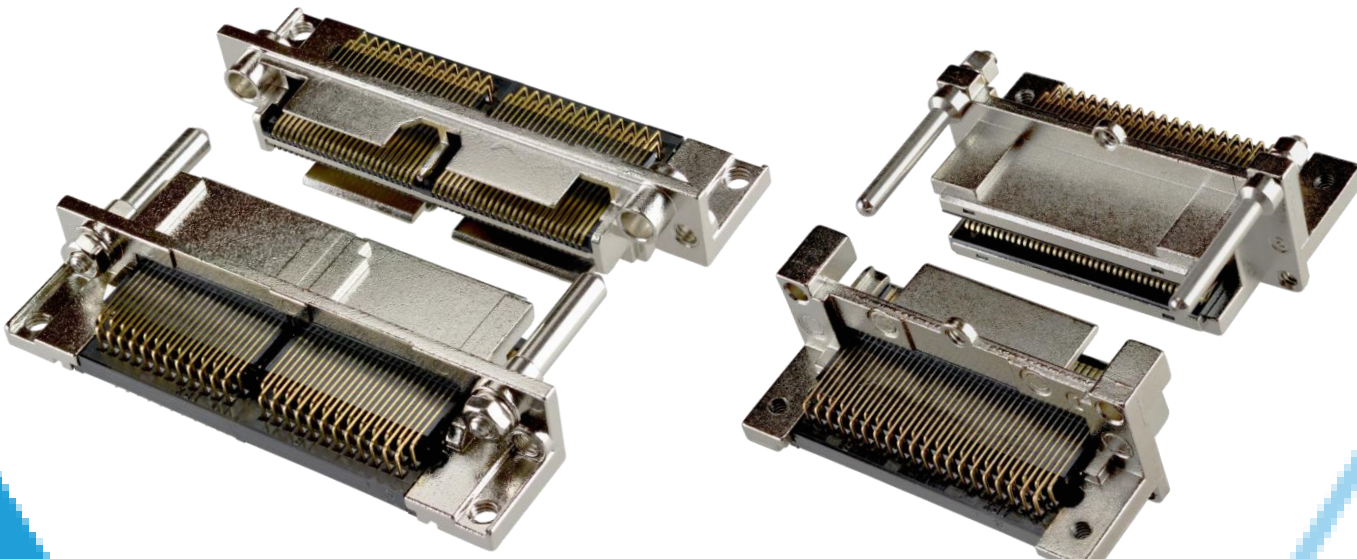
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series

MINIFLEX® series

EVAFLEX® series



FPC/FFC
Connectors



Inquiry



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