

MINIFLEX® 5-BFN II LK

メカニカルロック、ホールダウンによる堅牢性、高温対応(125℃)、低背(高さ = 1.0 mm)、0.5 mmピッチ、水平嵌合、バックフリップ

Product Specifications:

Board Pitch (mm)		0.5
Wiping Length (mm)		Contact A:
		Contact B:
Size (mm)	Height	1.0 +/- 0.1
	Width	Formula: 2.7+(0.5*?p)
	Depth	Open: 3.0
Close: 3.5		
Pin counts	Range	4-28 (even)
	Available	4,6,8,10,12,14,16,18,20,24

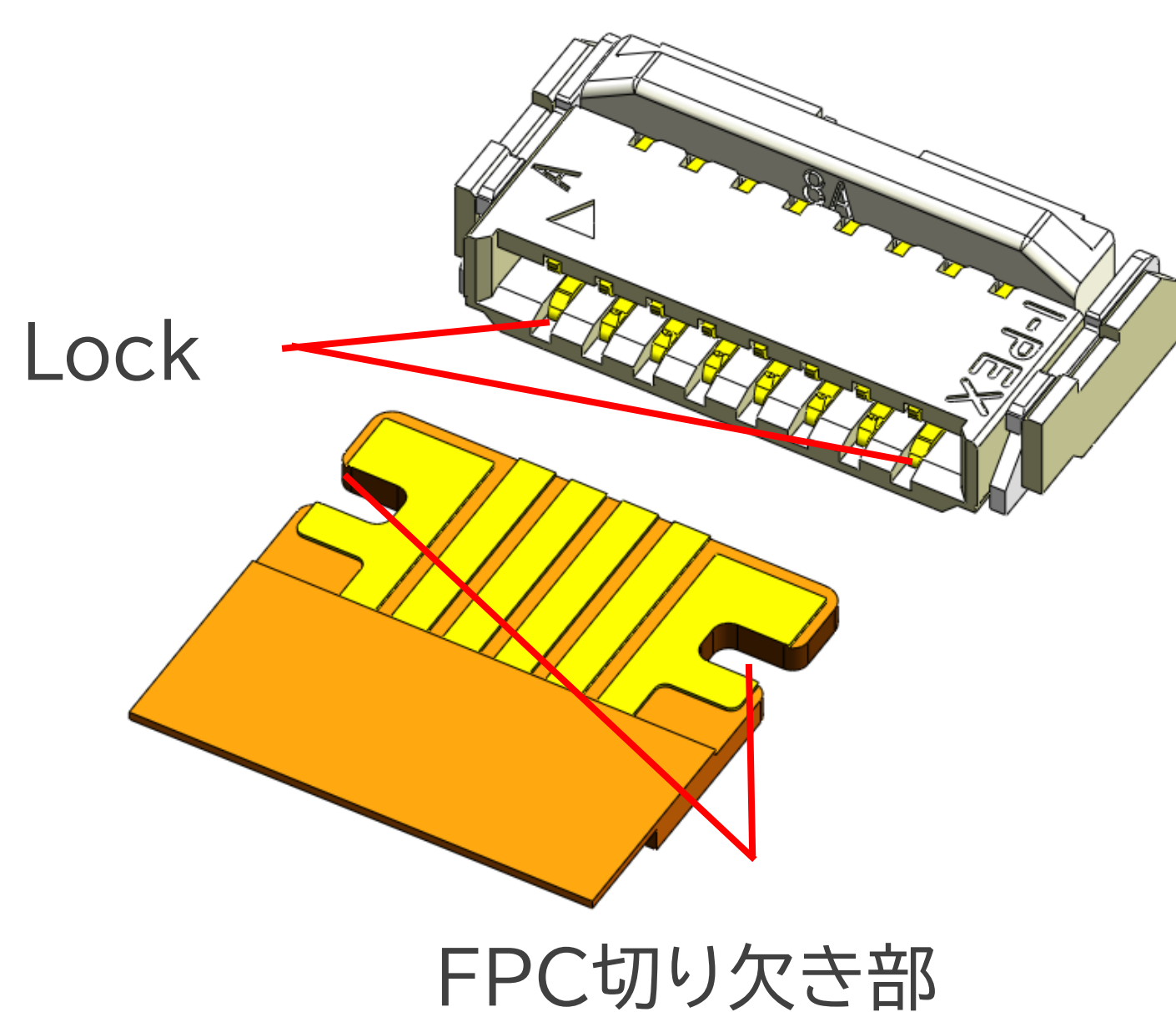
*記載のない極数の対応状況についてはお問い合わせください。

Applicable FPC/FFC:

FPC/FFC Contact Pitch	0.5
FPC/FFC Contact Point	Top and Bottom
FPC/FFC Thickness (mm)	0.3 +/- 0.05



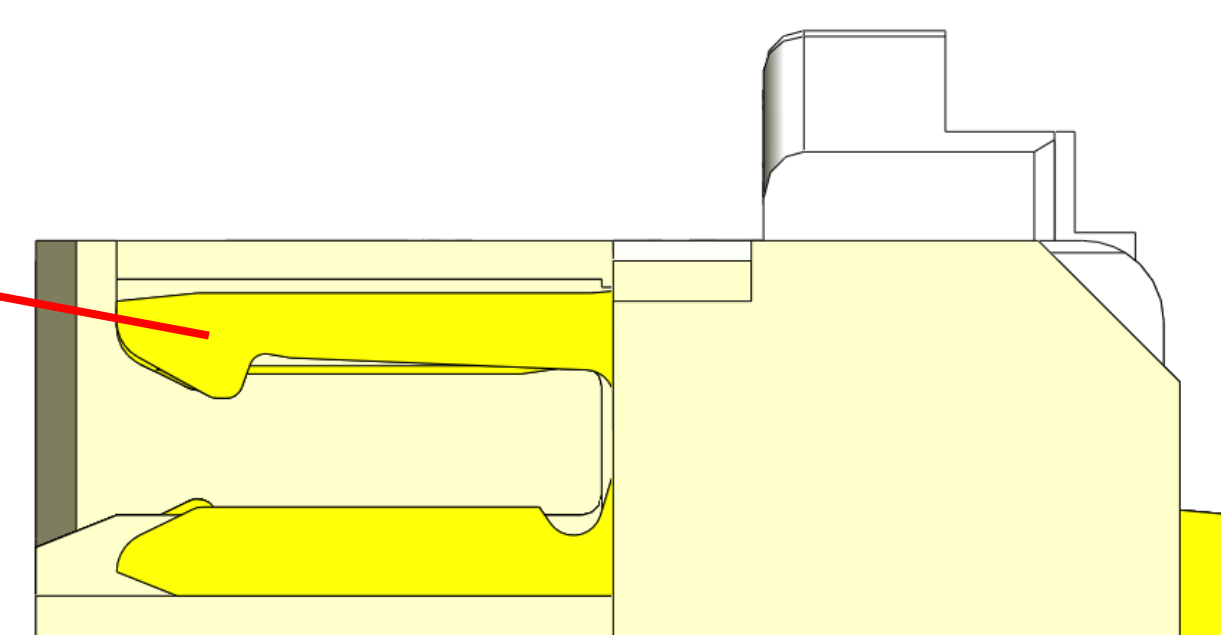
▶ メカニカルロックによる高FPC保持力



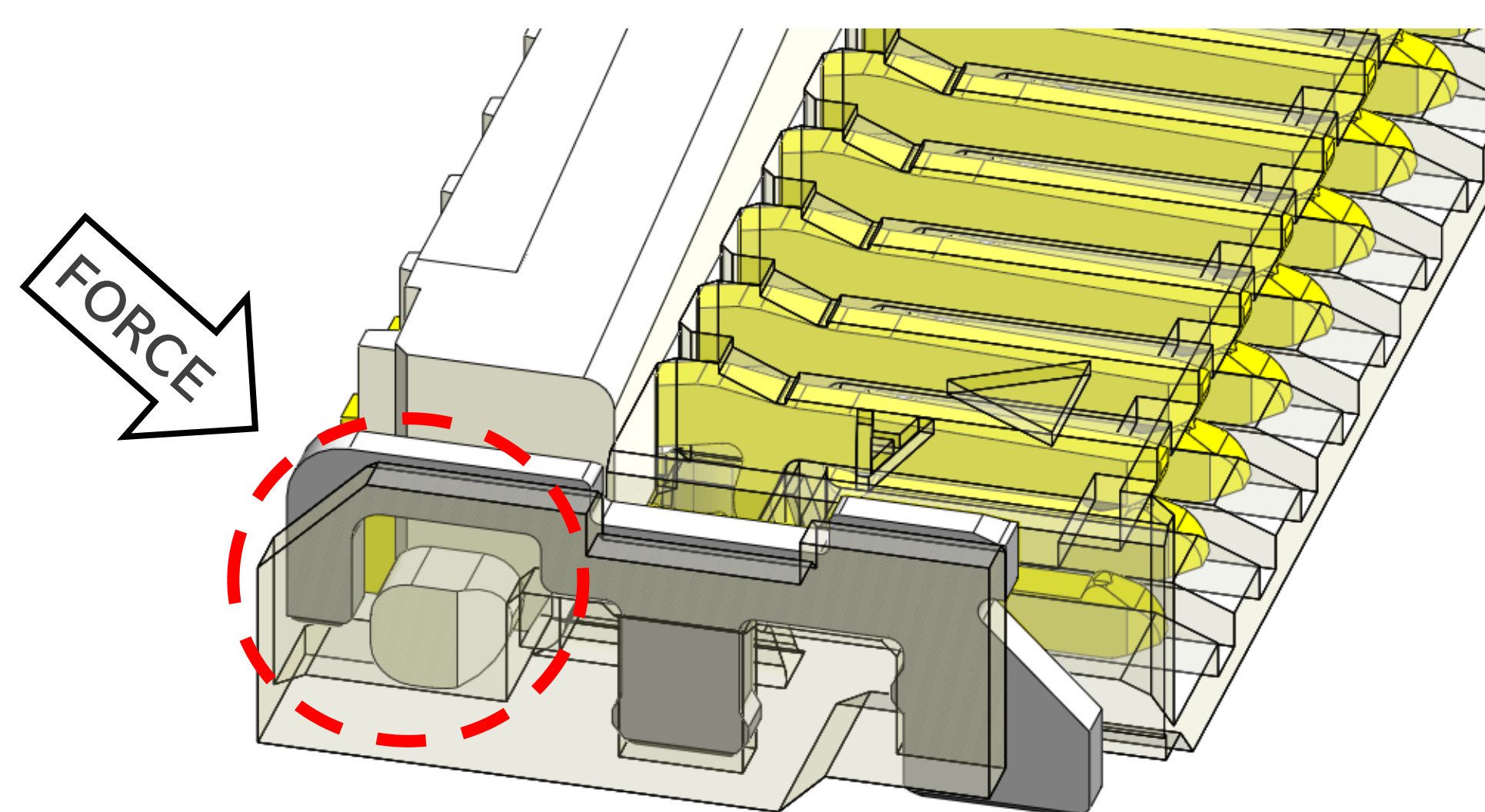
FPC 保持力比較 (6 p)

MFX5-BFN II LK	MFX5-BFN II
10.59 N	4.17 N

FPCロックメカニズムによる
高FPC保持力



▶ 独自のホルダー形状によりアクチュエータの脱落を防止



100 N の力でもアクチュエータは脱落なし

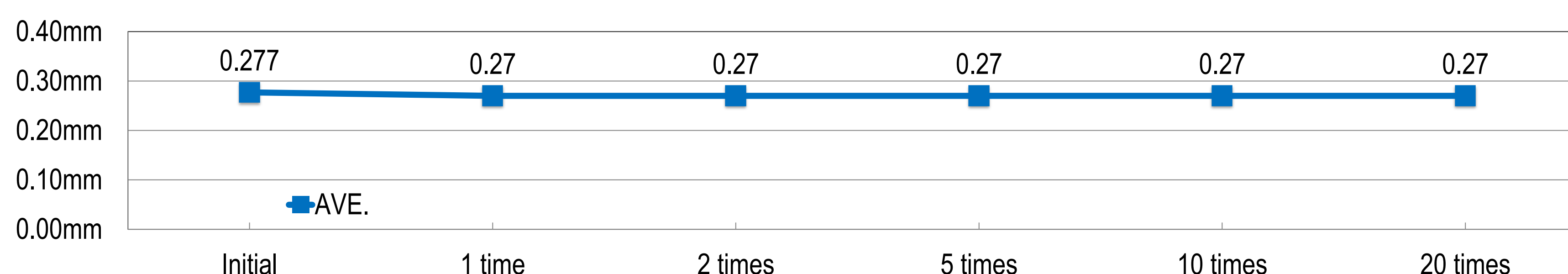
*先にハウジング破壊が発生

*力のベクトルはアクチュエータが最も外れやすいと言われる
後ろ斜め上30度から測定

▶ FPC未挿入状態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® 5-BFN II LK 26 pins)



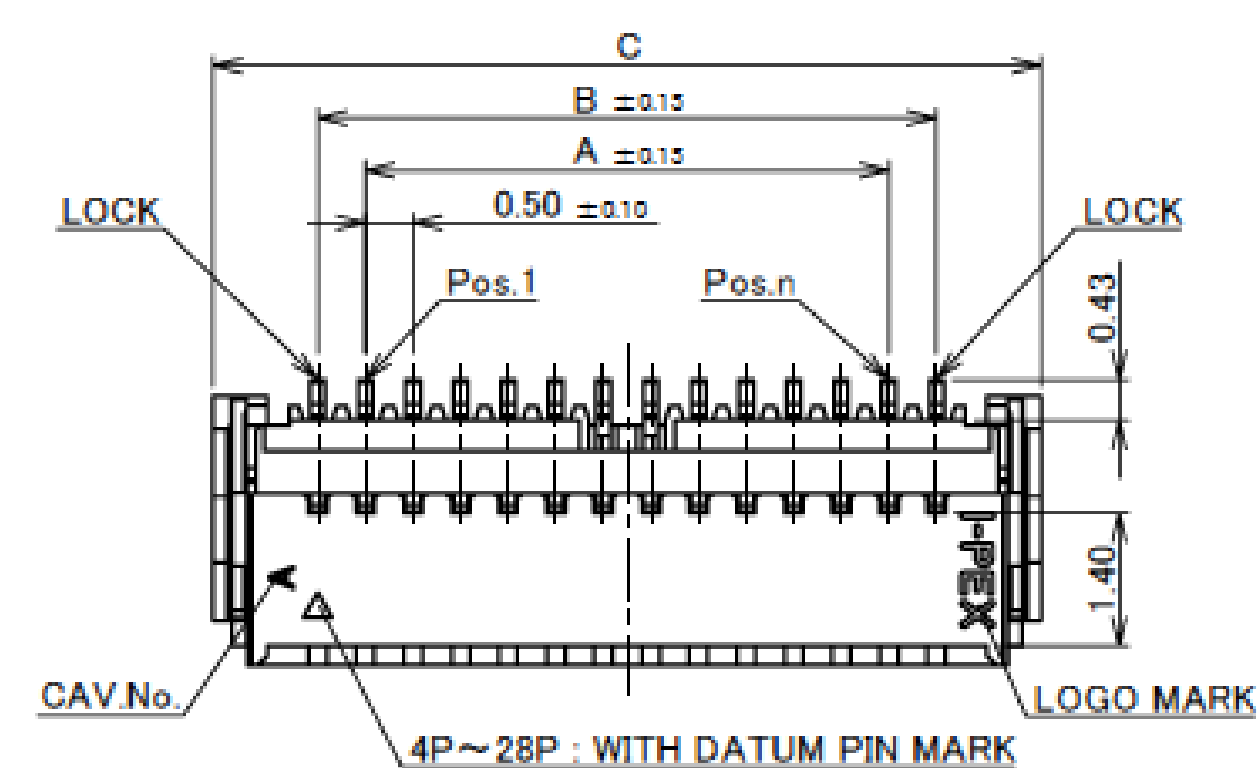
■ FPC挿入力は上昇します

■ FPC保持力に大きな変化はありません

Component Parts Details

Connector Assembly

Recommended P/N 20600-0**E-01



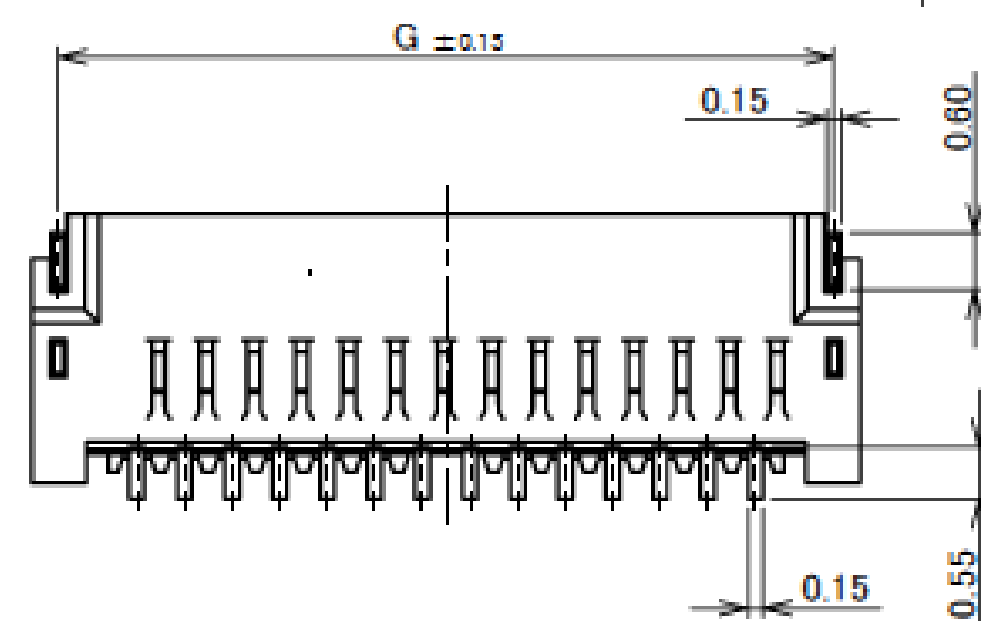
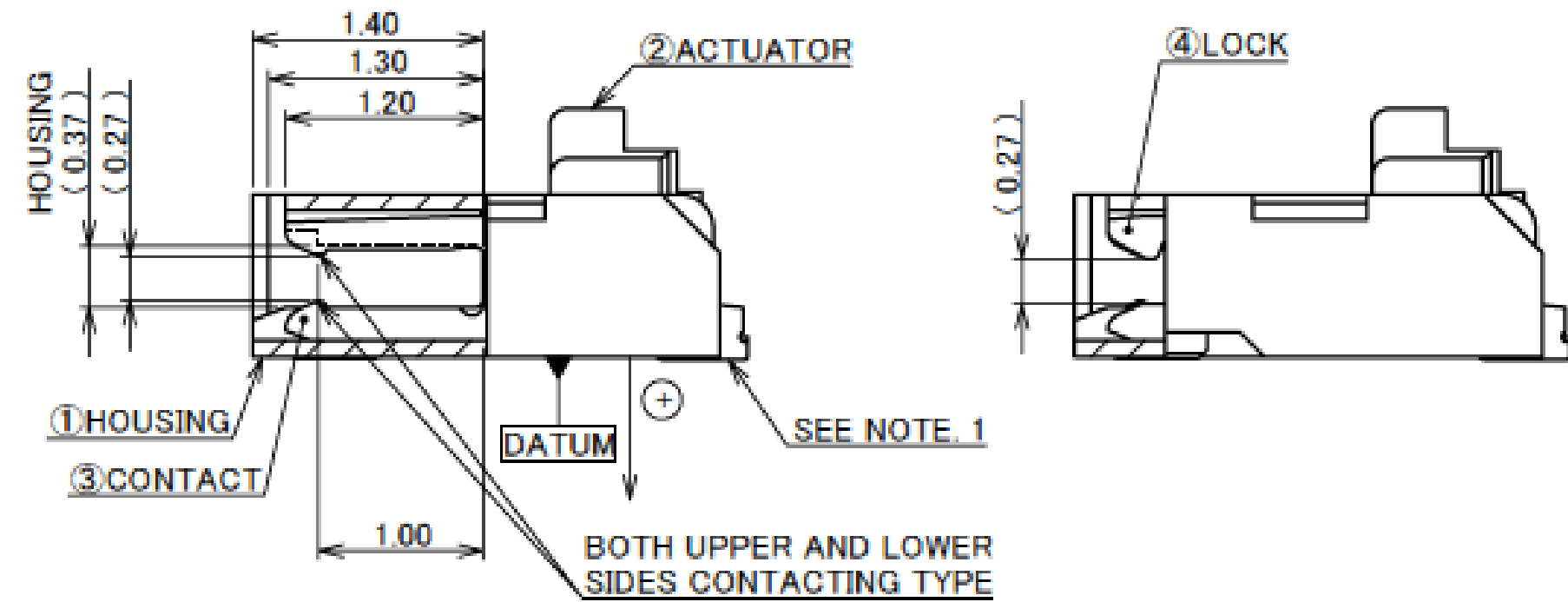
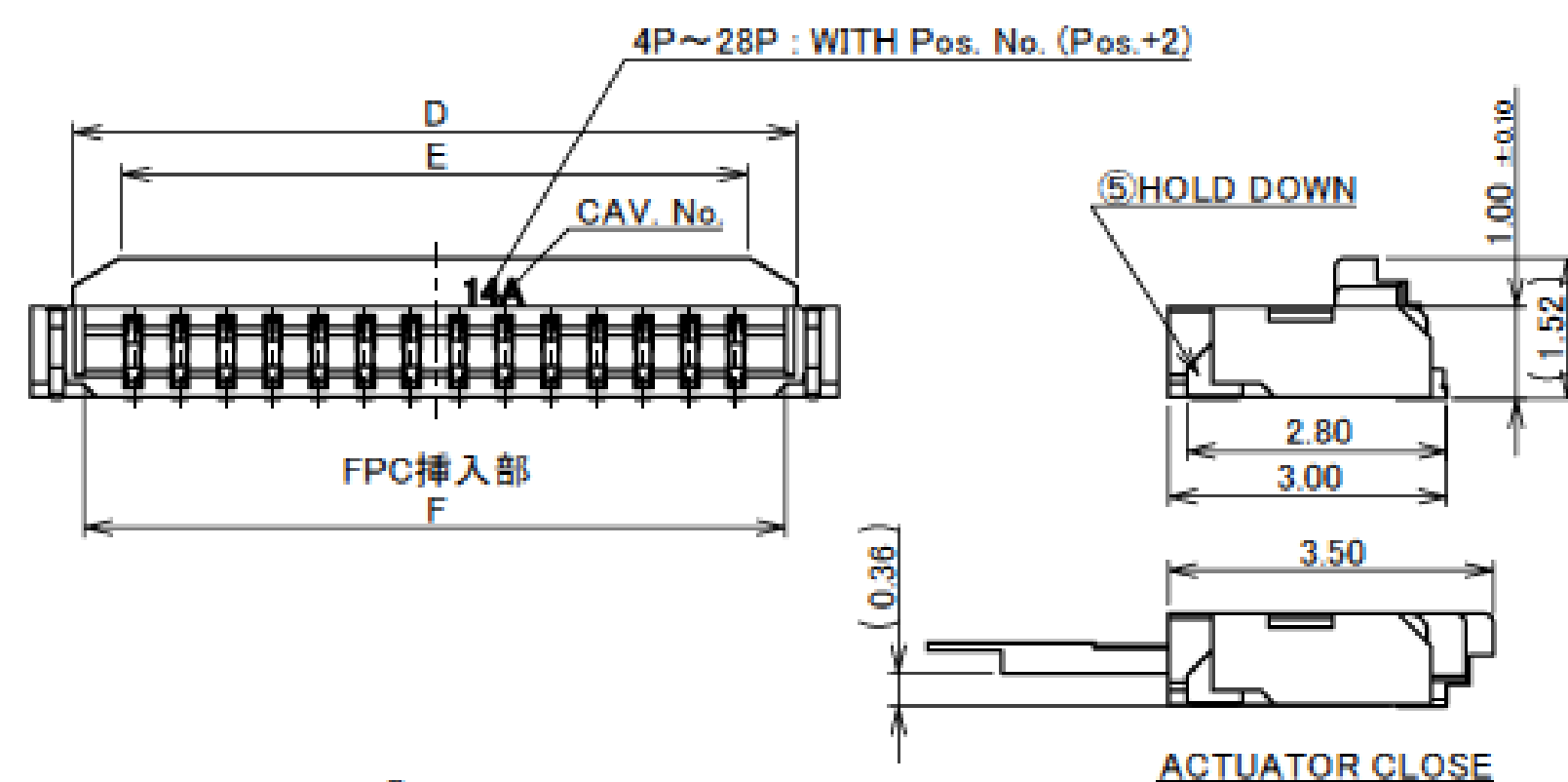
Halogen Free



RoHS Compliant

PART No.	POS.	A	B	C	D	E	F	G
20600-004E-01	4	1.50	2.50	4.70	3.80	2.80	3.56	4.15
20600-006E-01	6	2.50	3.50	5.70	4.80	3.80	4.56	5.15
20600-008E-01	8	3.50	4.50	6.70	5.80	4.80	5.56	6.15
20600-010E-01	10	4.50	5.50	7.70	6.80	5.80	6.56	7.15
20600-012E-01	12	5.50	6.50	8.70	7.80	6.80	7.56	8.15
20600-014E-01	14	6.50	7.50	9.70	8.80	7.80	8.56	9.15
20600-016E-01	16	7.50	8.50	10.70	9.80	8.80	9.56	10.15
20600-018E-01	18	8.50	9.50	11.70	10.80	9.80	10.56	11.15
20600-020E-01	20	9.50	10.50	12.70	11.80	10.80	11.56	12.15
◆20600-022E-01	22	10.50	11.50	13.70	12.80	11.80	12.56	13.15
20600-024E-01	24	11.50	12.50	14.70	13.80	12.80	13.56	14.15
◆20600-026E-01	26	12.50	13.50	15.70	14.80	13.80	14.56	15.15
◆20600-028E-01	28	13.50	14.50	16.70	15.80	14.80	15.56	16.15

◆MARK MEANS NOT AVAILABLE.



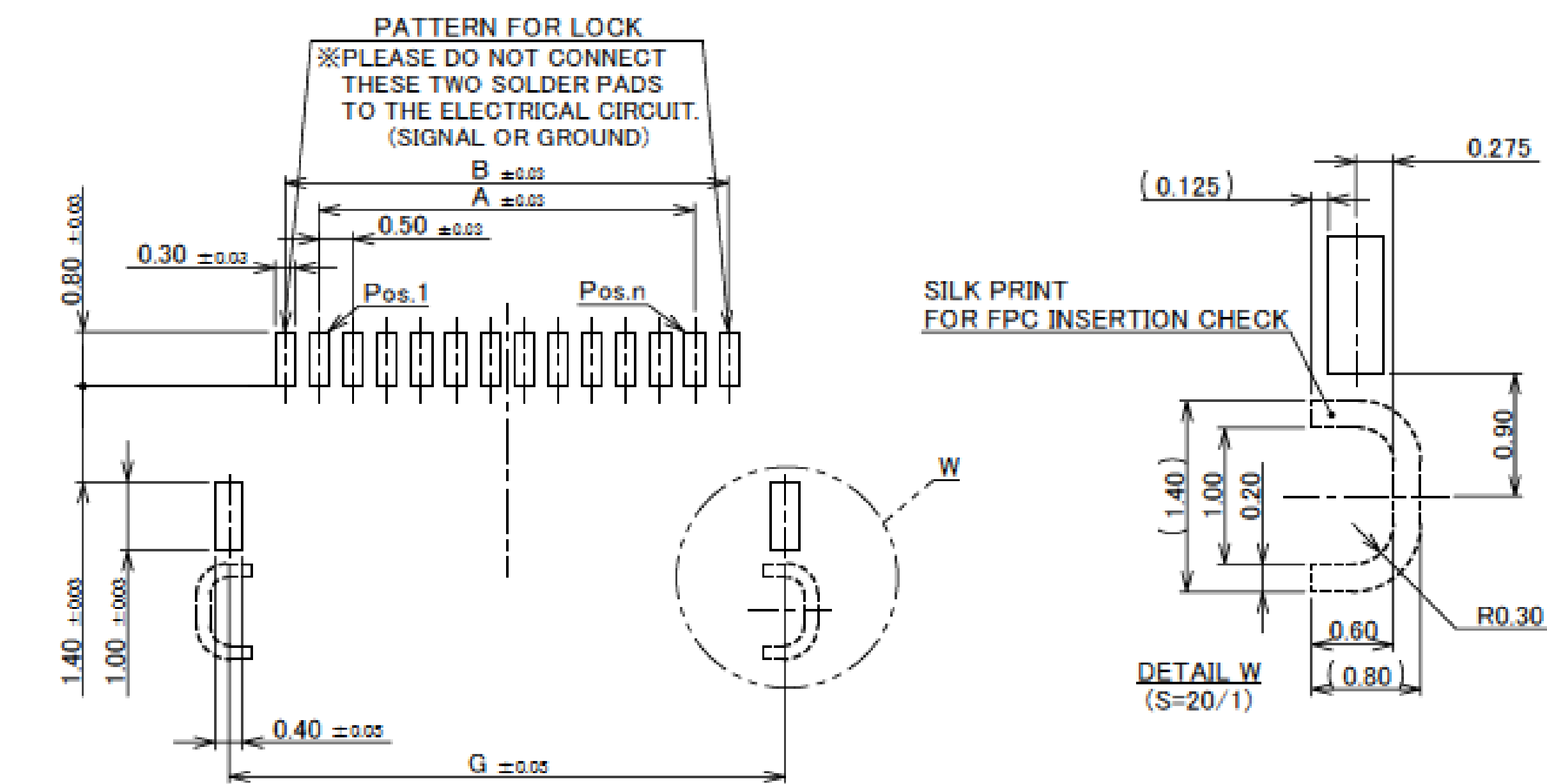
5	HOLD DOWN	PHOSPHOR BRONZE	Sn 2~6 μ m MIN.OVER Ni 1.0 μ m MIN.
4	LOCK	PHOSPHOR BRONZE	Au 0.03 μ m MIN. OVER Ni 1.0 μ m MIN.
3	CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μ m MIN. OVER Ni 1.0 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.0 μ m MIN.
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

CAUTION VISIT OUR WEBSITE FOR LATEST VERSIONS OF INSTRUCTION MANUAL NO. HIM-12019 TO HANDLE THE PRODUCT PROPERLY AND SAFELY.

NOTES
1. CONTACT TAIL IS PROJECTION FROM HOUSING IN THE + DIRECTION. (0~0.06)

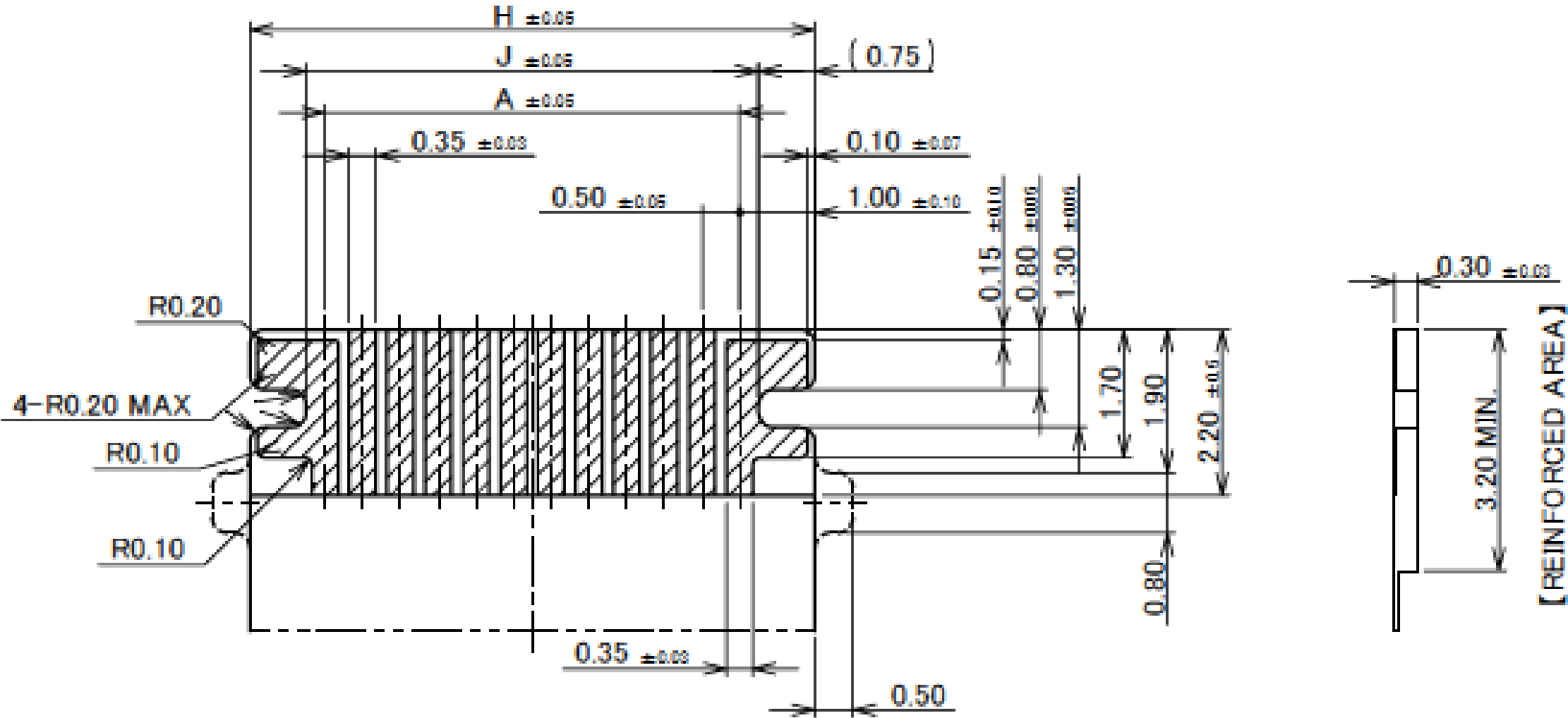
Rev.10

Connector Assembly



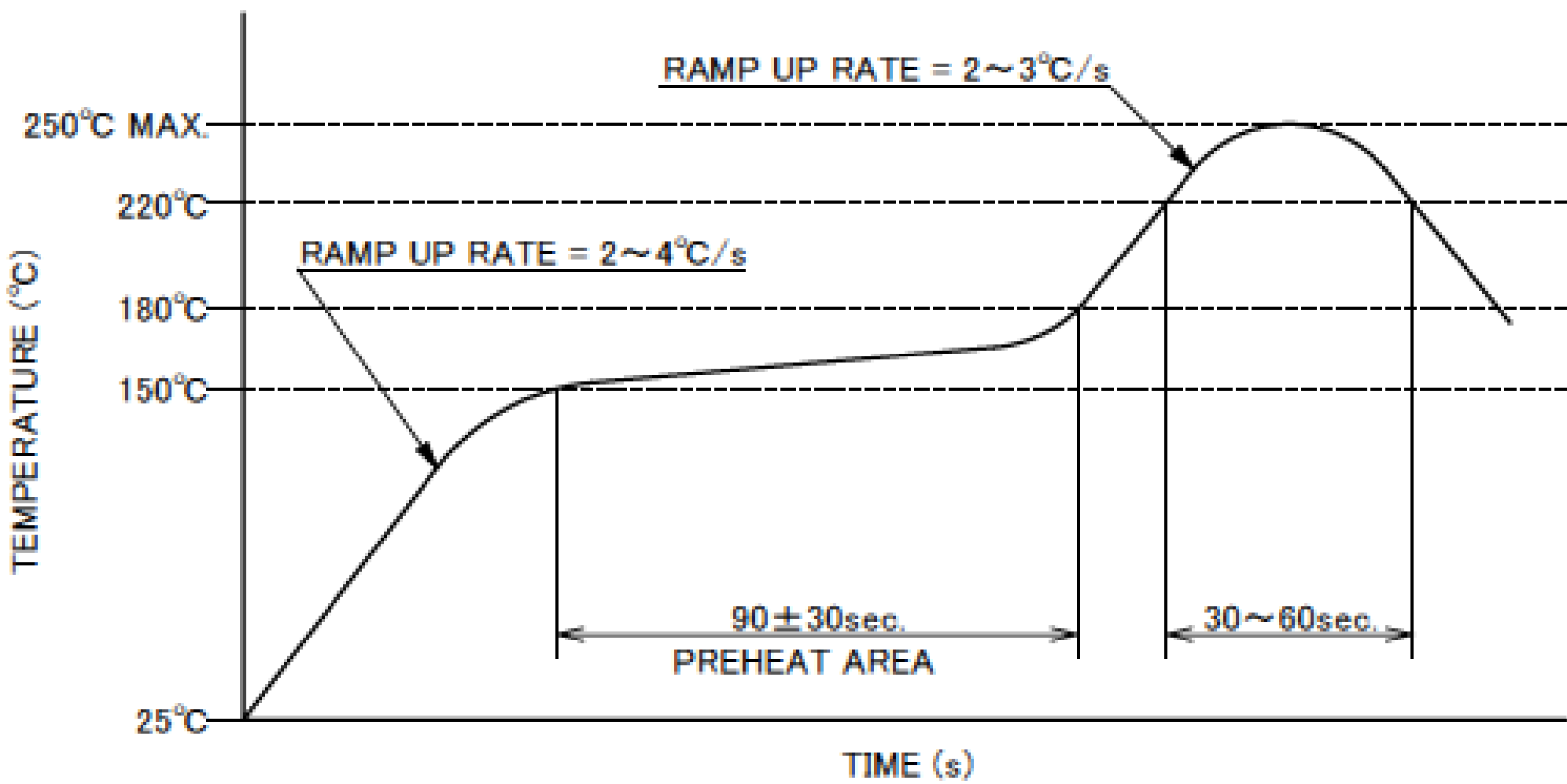
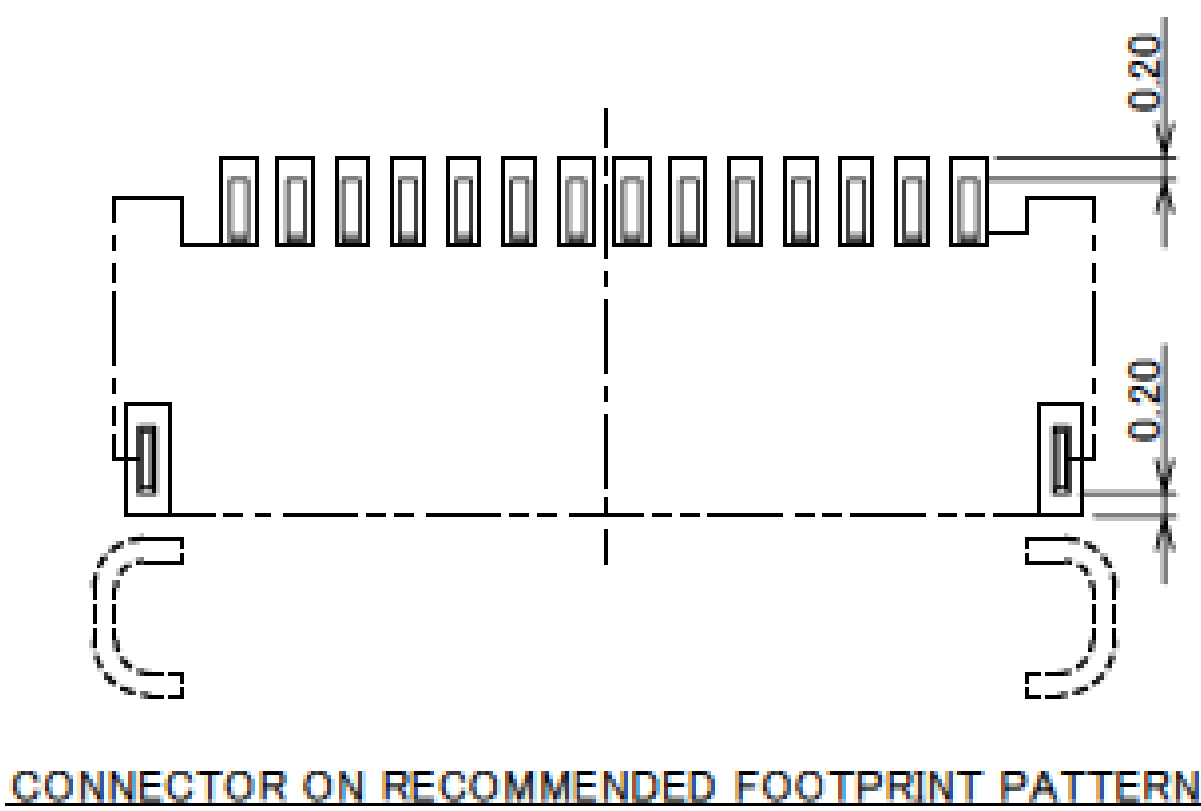
PART No.	POS.	A	B	G	H	J
20600-004E-01	4	1.50	2.50	4.15	3.50	2.00
20600-006E-01	6	2.50	3.50	5.15	4.50	3.00
20600-008E-01	8	3.50	4.50	6.15	5.50	4.00
20600-010E-01	10	4.50	5.50	7.15	6.50	5.00
20600-012E-01	12	5.50	6.50	8.15	7.50	6.00
20600-014E-01	14	6.50	7.50	9.15	8.50	7.00
20600-016E-01	16	7.50	8.50	10.15	9.50	8.00
20600-018E-01	18	8.50	9.50	11.15	10.50	9.00
20600-020E-01	20	9.50	10.50	12.15	11.50	10.00
◆20600-022E-01	22	10.50	11.50	13.15	12.50	11.00
◆20600-024E-01	24	11.50	12.50	14.15	13.50	12.00
◆20600-026E-01	26	12.50	13.50	15.15	14.50	13.00
◆20600-028E-01	28	13.50	14.50	16.15	15.50	14.00

◆MARK MEANS NOT AVAILABLE.



NOTES
2.MATERIAL
COVER FILM : PI
CONDUCTOR : COPPER(RARE)
BASE FILM : PI
STIFFENER : PI
ADHESIVE : THERMOSETTING ADHESIVE
3.FINISH
Au OVER Ni PLATING.

Rev.10



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

Rev.10

Connector Assembly

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT PIN)
RATING AMPERAGE	0.5A DC (PER CONTACT PIN) 7.0A DC (PER CONNECTOR)
OPERATING TEMPERATURE	233~398K(-40℃~125℃)
OPERATING HUMIDITY	80% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 40mohm MAX. / AFTER TEST : $\leq$ 20mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	20TH CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES : $0.6N(61gf) \times (n + 2)$ MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES : $0.05N(5gf) \times (n + 2)$ MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL : $0.15N(15gf) \times n + 2.0N$ MIN. / AFTER TEST : $0.15N(15gf) \times n + 1.0N$ MIN.
COPLANARITY	0.08 MAX.
PRODUCT SPECIFICATION	PRS-1841
TEST REPORT	TR-14132
PACKING STANDARD	PST-13031
INSTRUCTION MANUAL	HIM-12019
APPEARANCE CRITERIA No.	QLS-A***

※ “n” IS THE NUMBER OF PIN

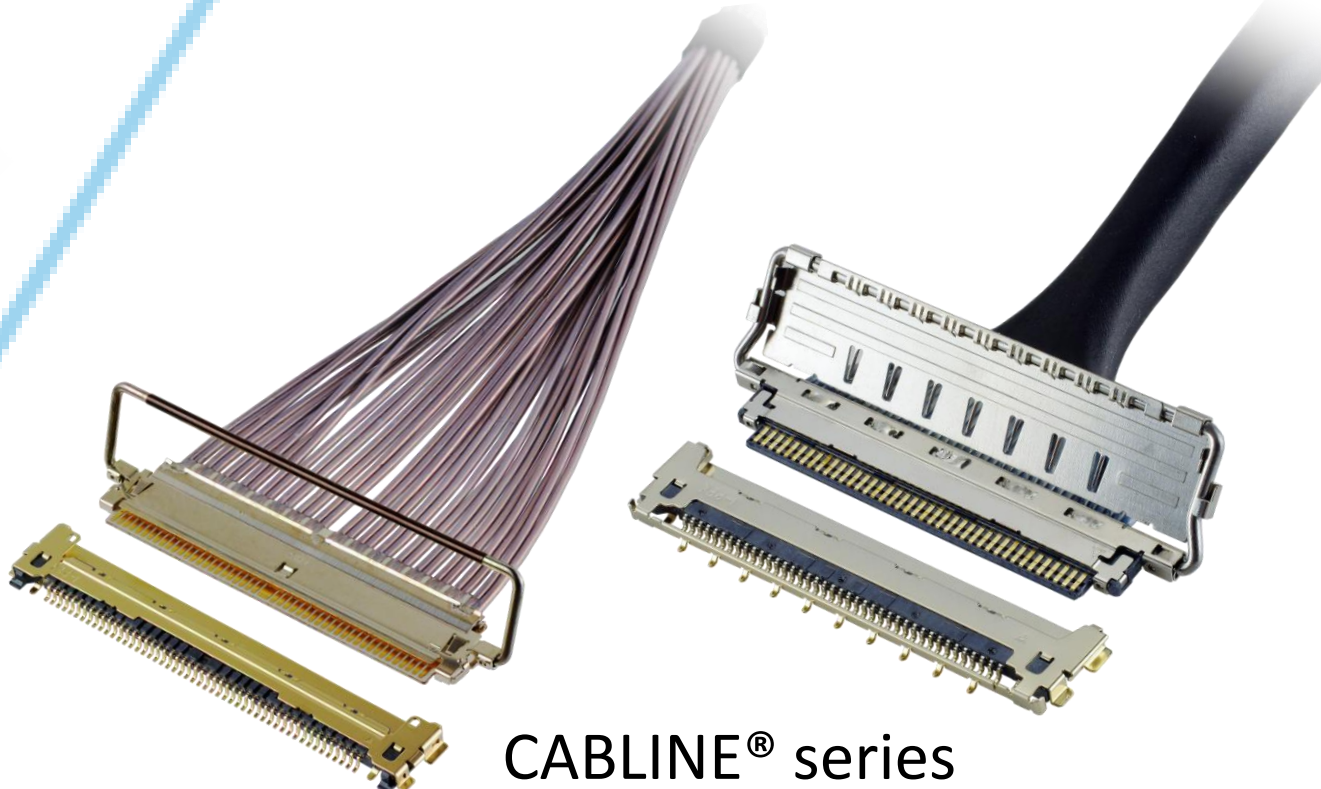
Custom Connectors Available

 RF
Connectors

MHF® series



CABLINE® series

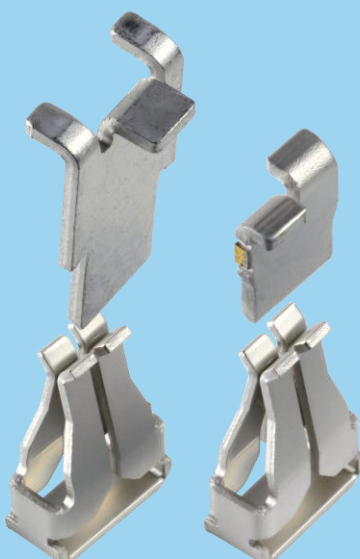


Micro-Coaxial/Twinax
Connectors



Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



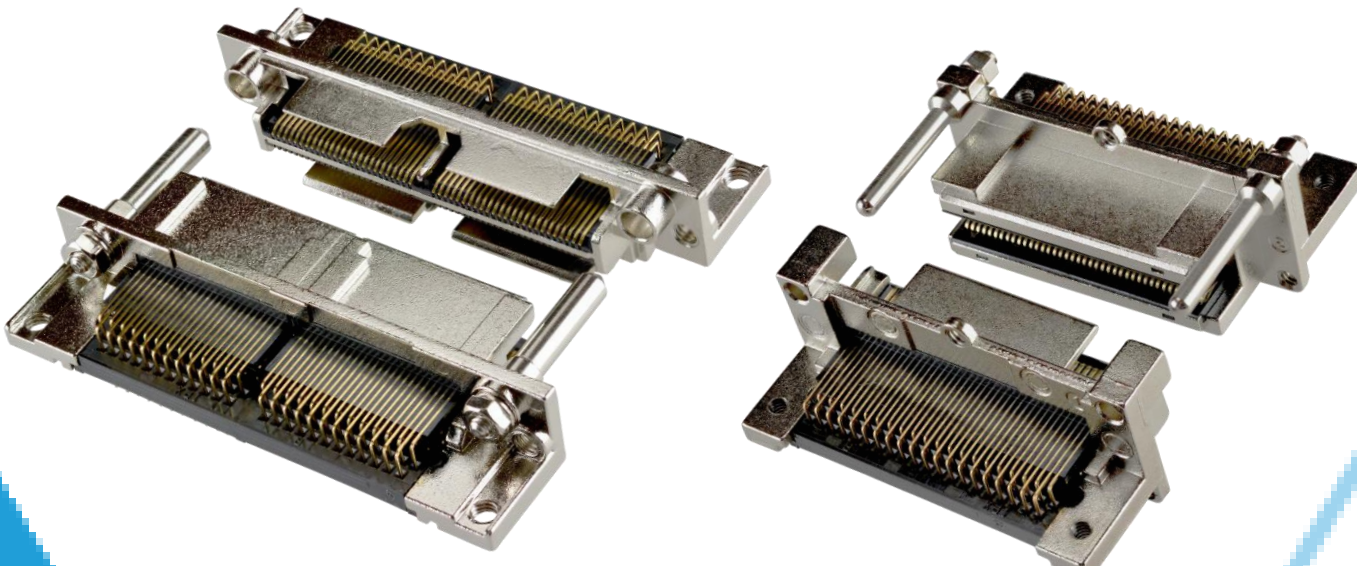
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series

MINIFLEX® series

EVAFLEX® series



FPC/FFC
Connectors



Inquiry



I-PEX, MHF, CABLINE, NOVASTACK, ISH, IARPB, MINIFLEX, EVAFLEX, MINIDOCK 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. 2025
All rights reserved