

MINIFLEX® 2-BF

0.2 mm pitch, Horizontal mating, Backflip, (0.9 mm)

Product Specifications:

| | | |
|--------------------|----------------|------------------------|
| Board Pitch (mm) | 0.2 | |
| Wiping Length (mm) | Contact A:0.95 | |
| | Contact B:0.45 | |
| Size (mm) | Height | 0.90 +/- 0.10 |
| | Width | Formula:1.5 +(0.2*p) |
| | Depth | Open:3.30 Close:4.5 |
| Pin counts | Range | 80-120 (even) |
| | Available | 80, 100, 120 |

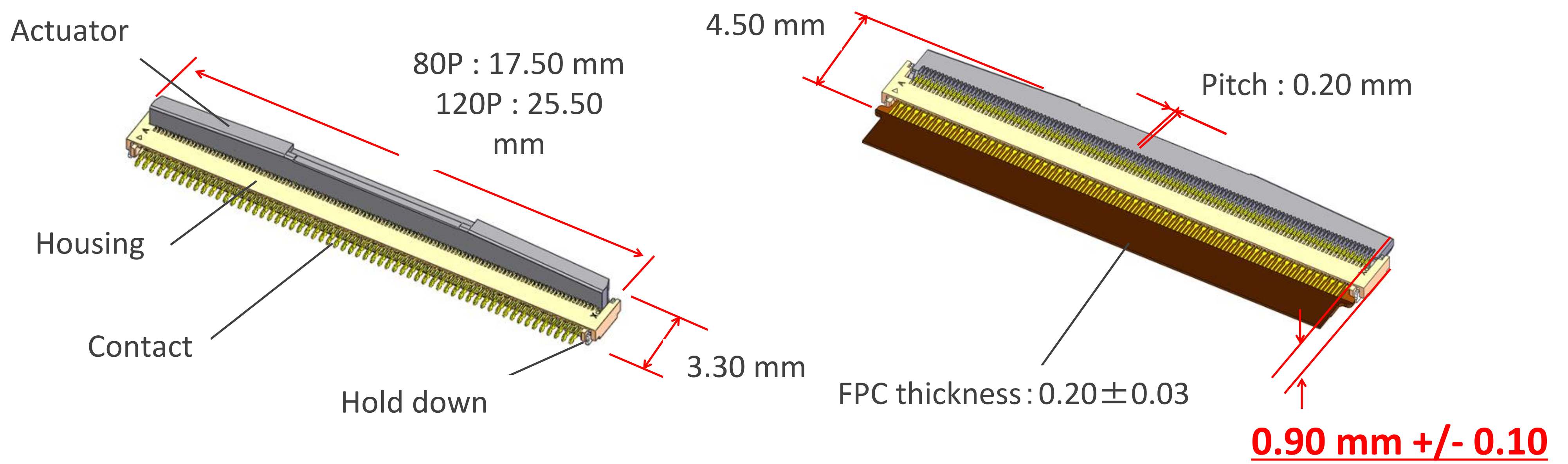
Applicable FPC/FFC:

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

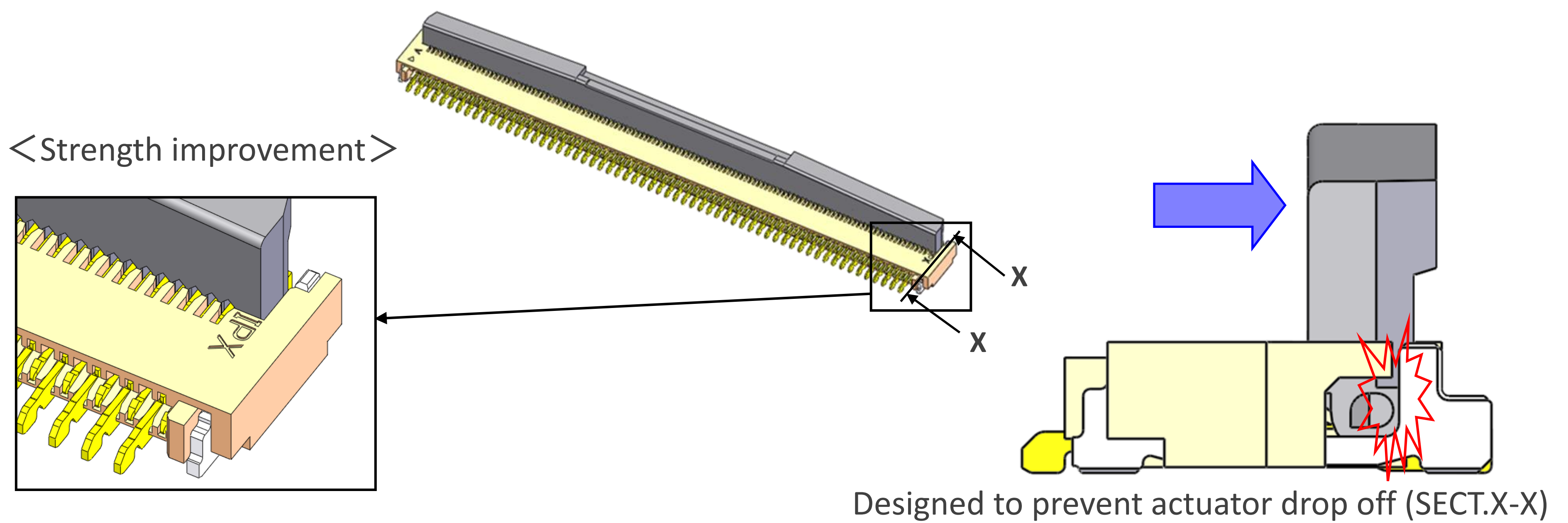
* Please inquire for pin counts not listed or outside of the pin count range.



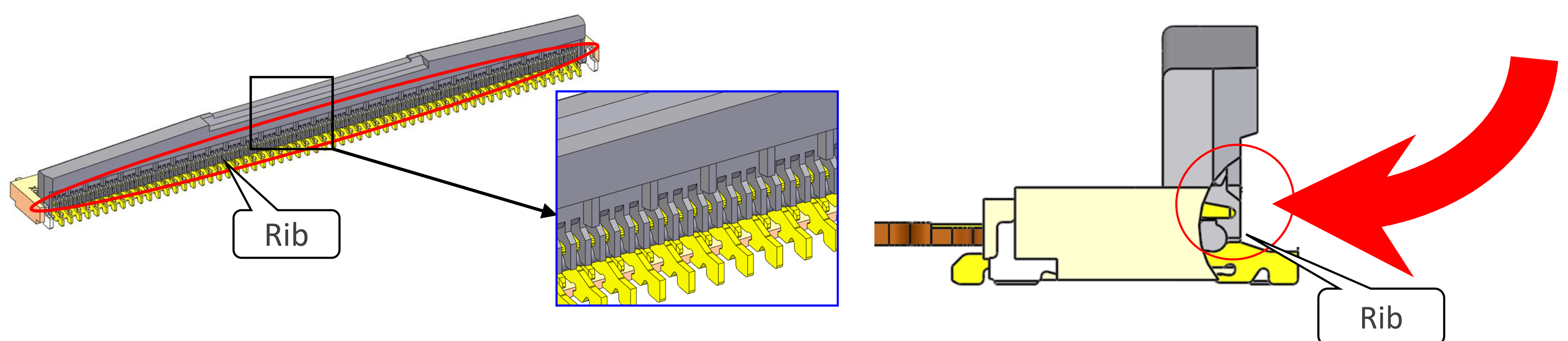
► Up to 120 positions with only 0.9 mm height



► Hold down to prevent actuator drop off



► Structure to prevent contact distortion



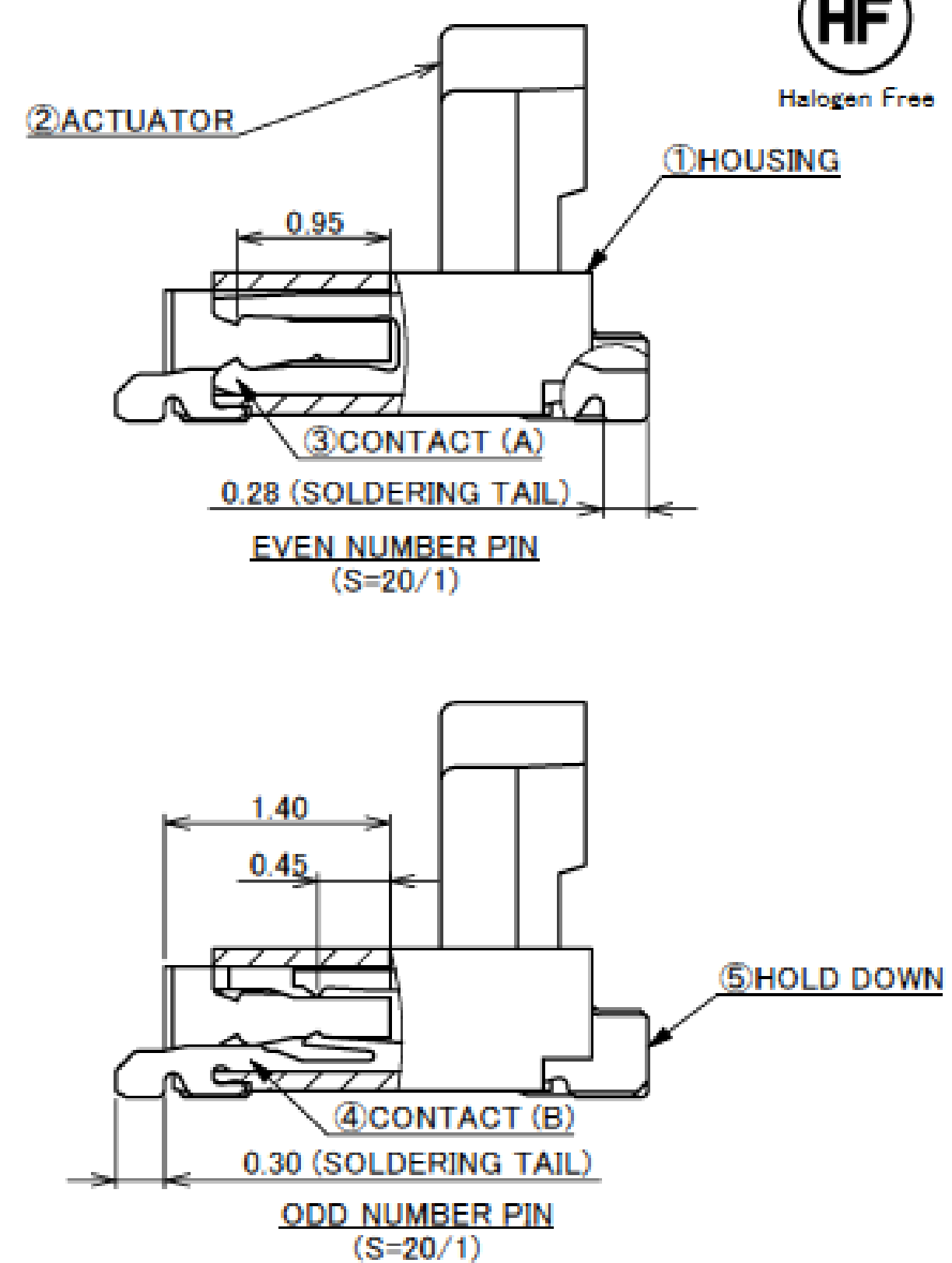
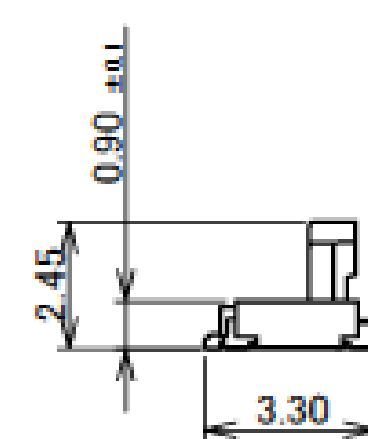
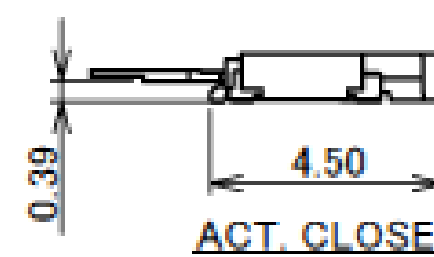
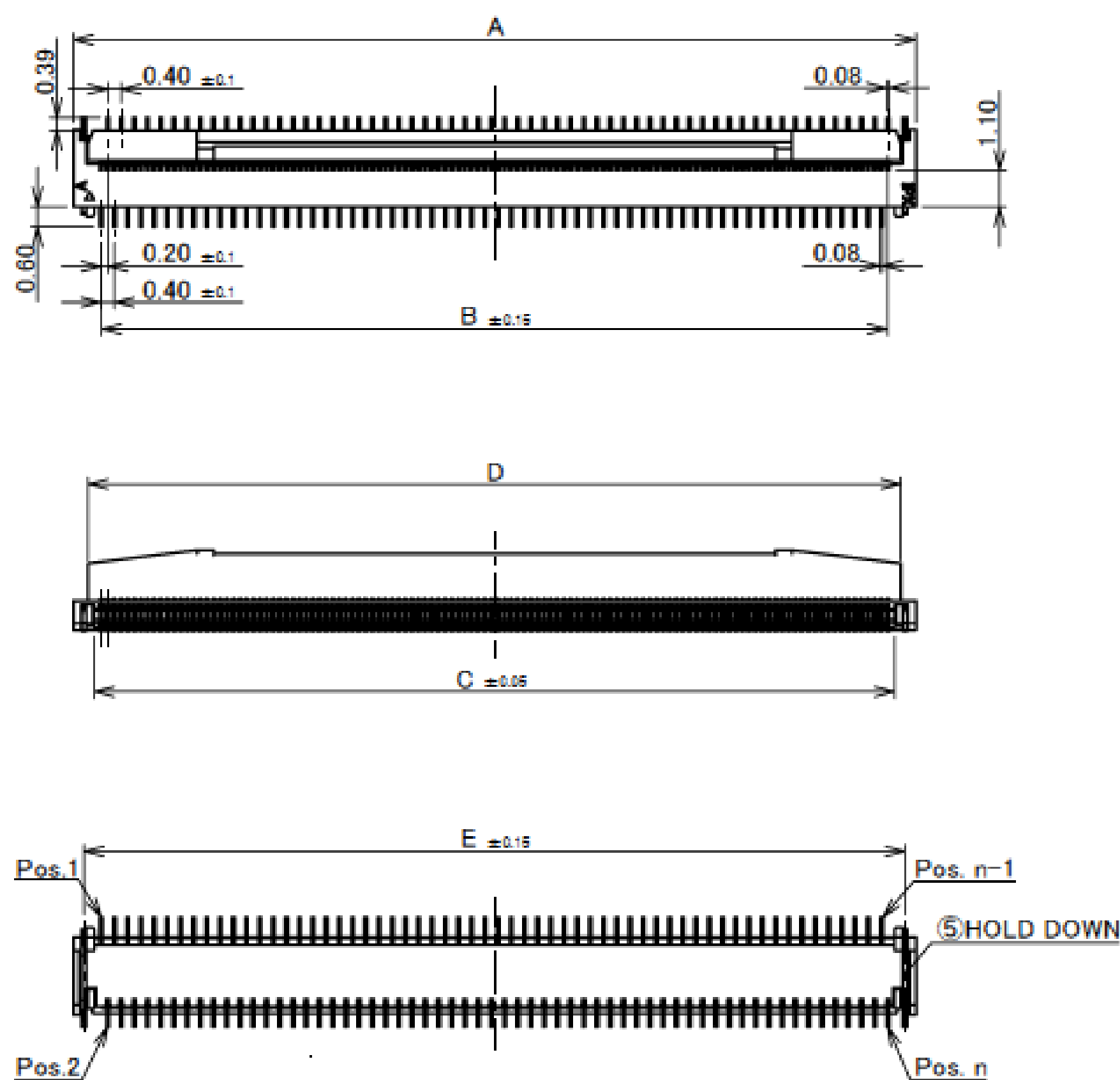
When opening the actuator, the rib will prevent the contacts from being pulled up.

Component Parts Details

Connector Assembly

| Recommended P/N | | 20617-***E-01 | | | | |
|-----------------|------|---------------|-------|-------|-------|-------|
| PART NO. | Pos. | A | B | C | D | E |
| 20617-080E-01 | 80 | 17.50 | 15.80 | 16.22 | 16.60 | 16.85 |
| 20617-100E-01 | 100 | 21.50 | 19.80 | 20.22 | 20.60 | 20.85 |
| ◆20617-110E-01 | 110 | 23.50 | 21.80 | 22.22 | 22.60 | 22.85 |
| 20617-120E-01 | 120 | 25.50 | 23.80 | 24.22 | 24.60 | 24.85 |

◆MARK MEANS NOT AVAILABLE.



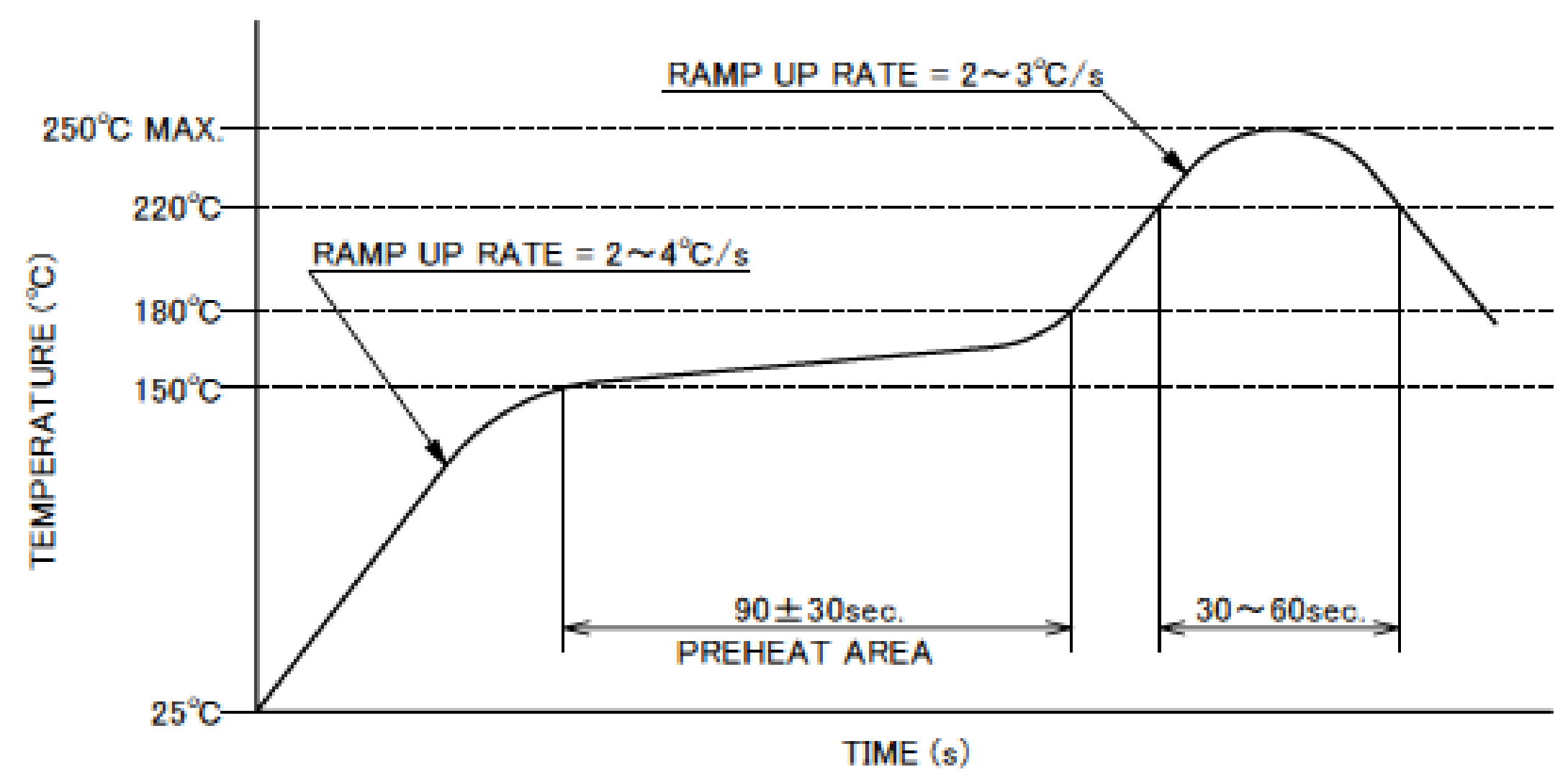
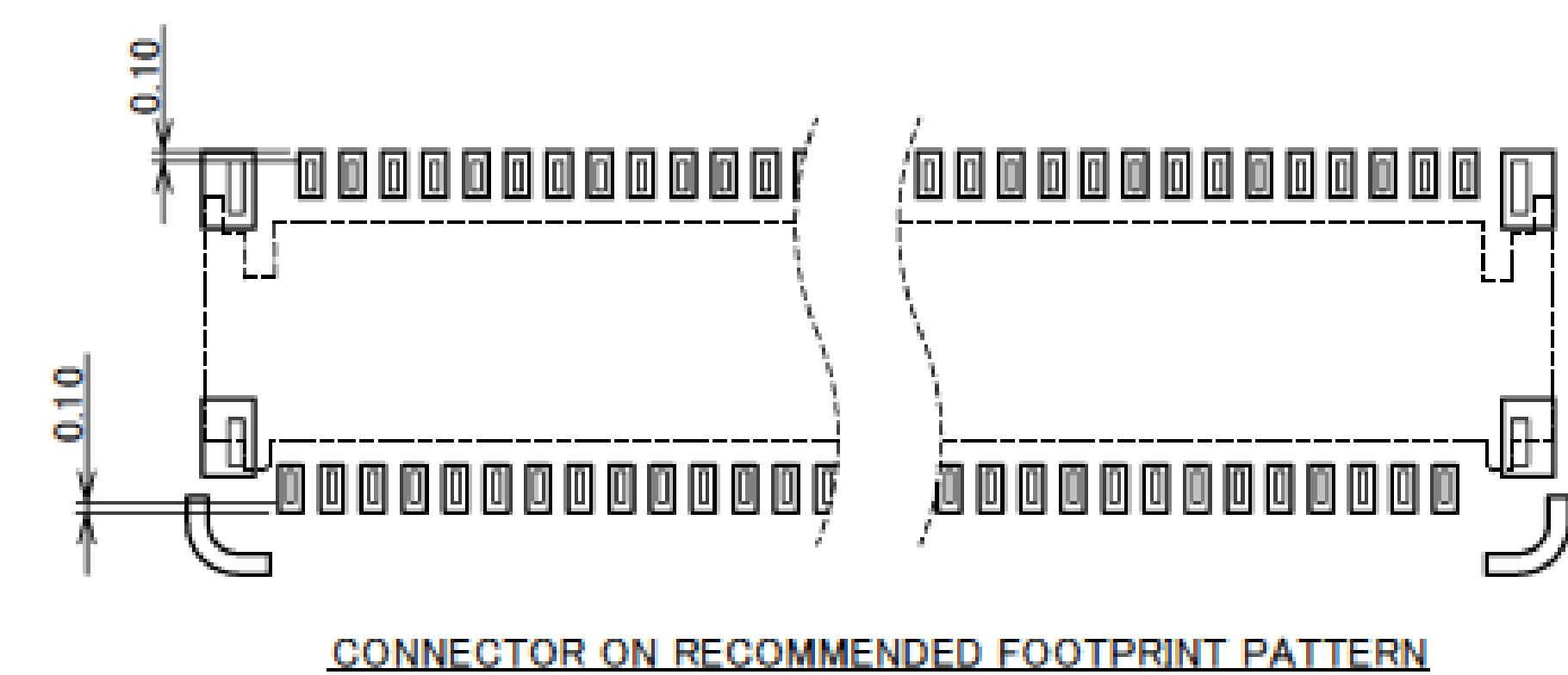
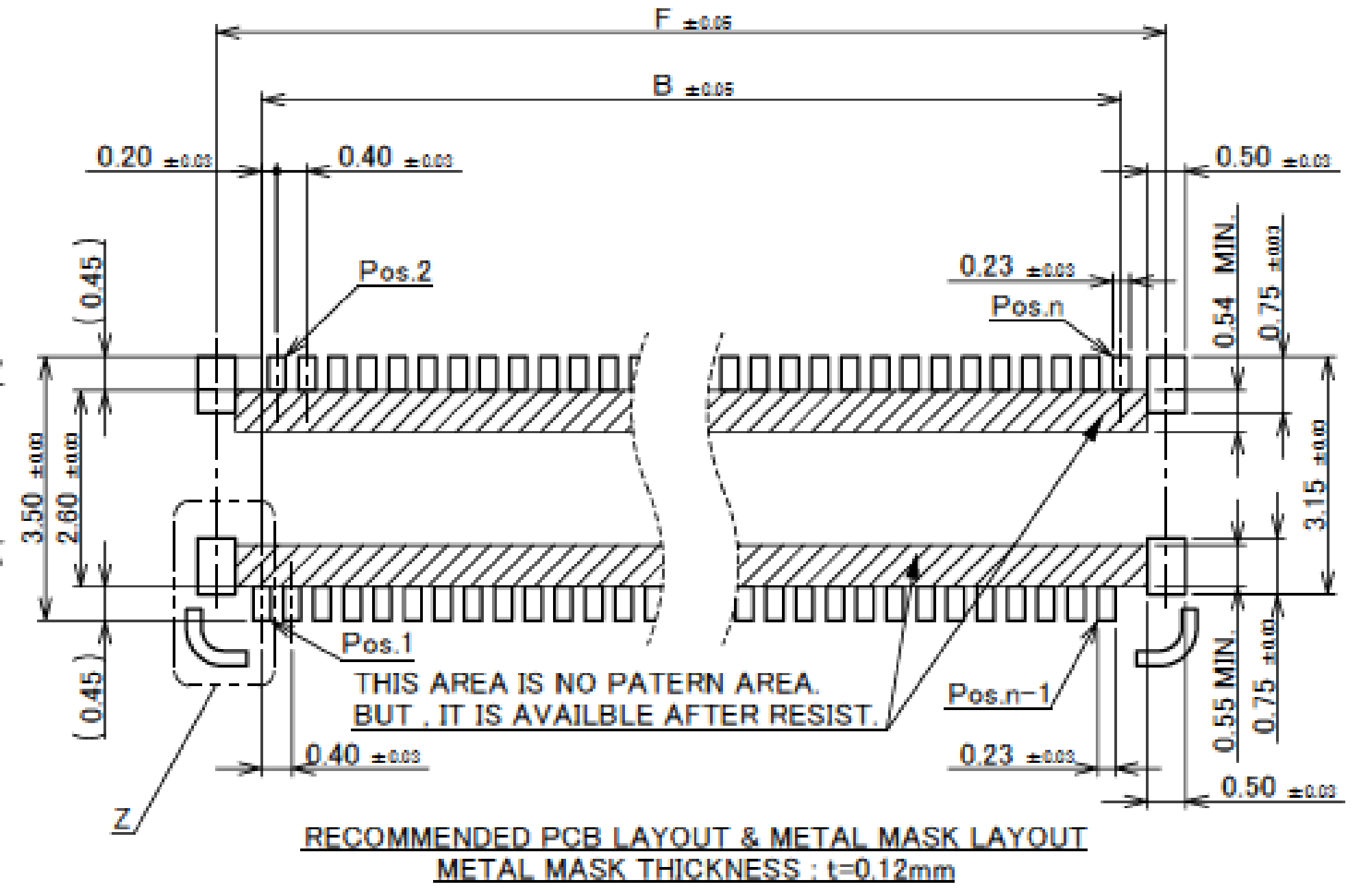
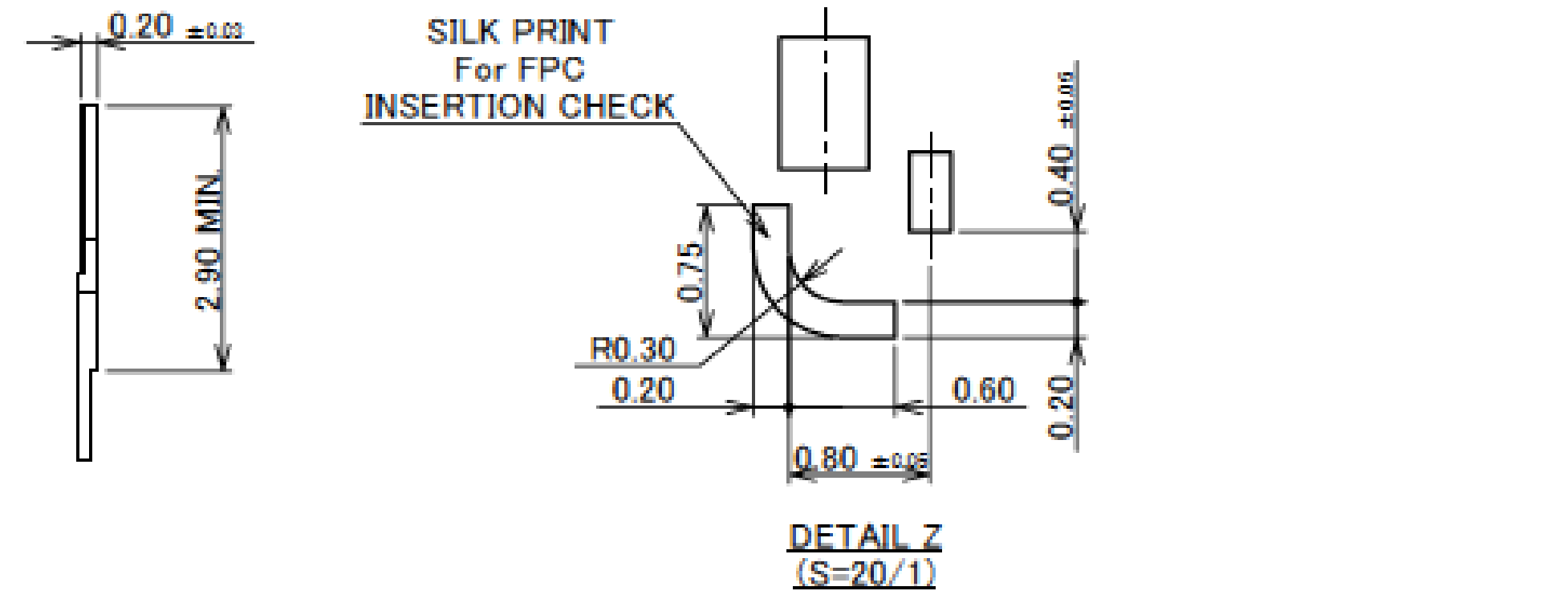
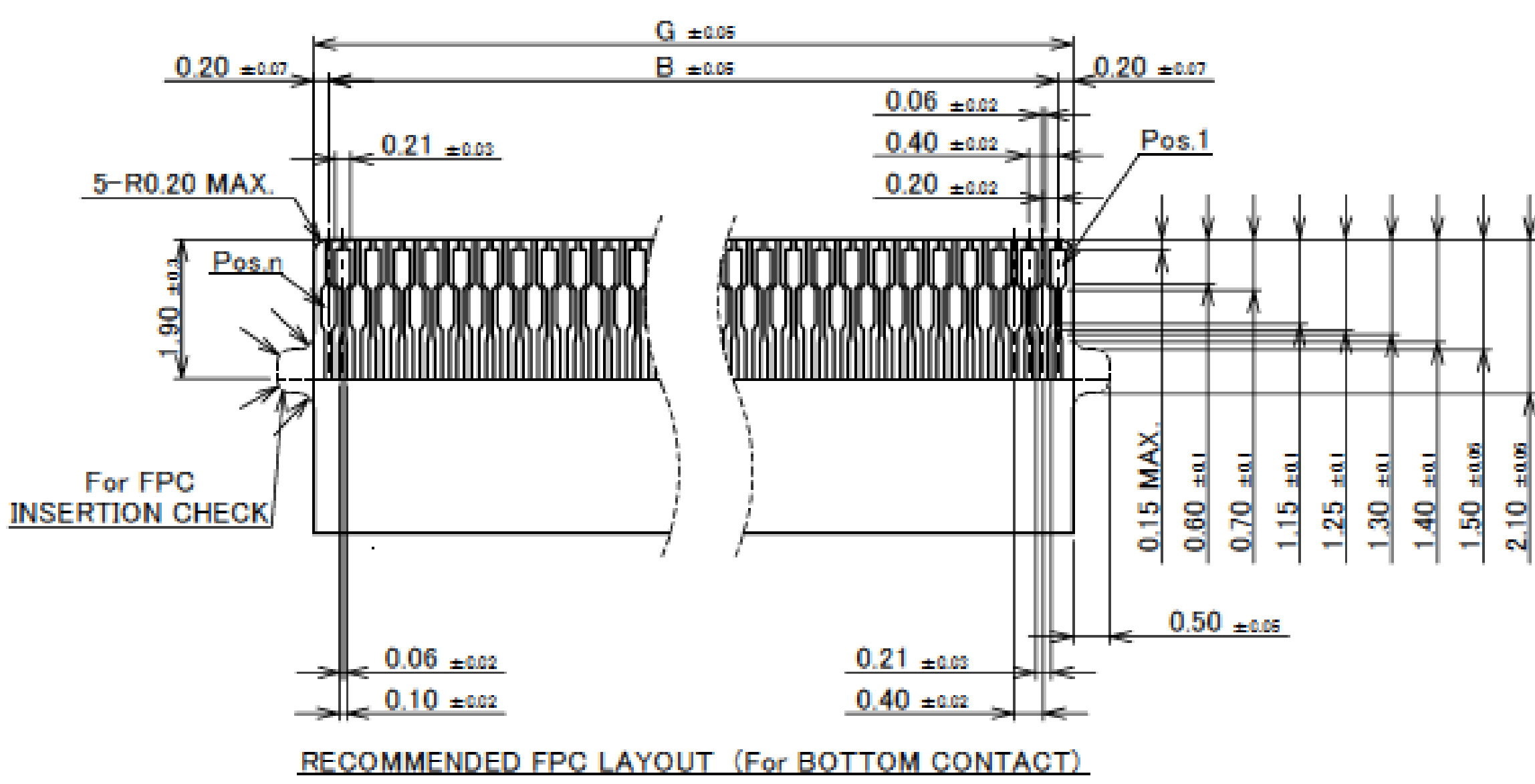
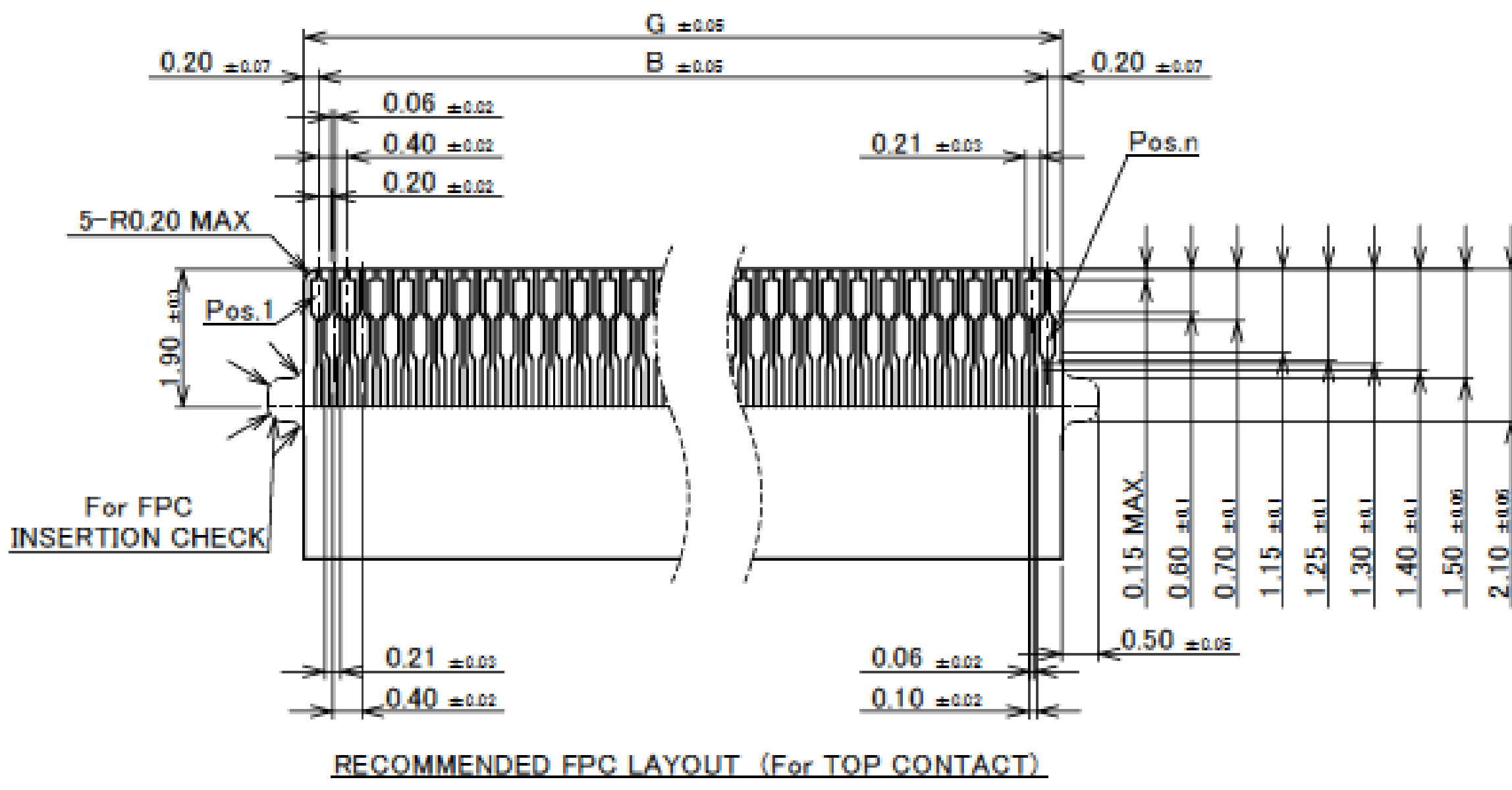
| NO. | DISCRIPTION | MATERIAL | FINISH , REMARKS |
|-----|-------------|-----------------|---|
| 5 | HOLD DOWN | BRASS | SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. |
| 4 | CONTACT(B) | PHOSPHOR BRONZE | CONTACT AREA&SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. |
| 3 | CONTACT(A) | PHOSPHOR BRONZE | CONTACT AREA&SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. |
| 2 | ACTUATOR | LCP | UL94V-0, BLACK |
| 1 | HOUSING | LCP | UL94V-0, BEIGE |

NOTES.
1. CONTACT POINT : TOP AND BOTTOM CONTACT.

Connector Assembly

| PART No. | Pos. | B | F | G |
|----------------|------|-------|-------|-------|
| 20617-080E-01 | 80 | 15.80 | 17.00 | 16.20 |
| 20617-100E-01 | 100 | 19.80 | 21.00 | 20.20 |
| ◆20617-110E-01 | 110 | 21.80 | 23.00 | 22.20 |
| 20617-120E-01 | 120 | 23.80 | 25.00 | 24.20 |

◆ MARK MEANS NOT AVAILABLE.



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

Rev.11

Rev.11

Connector Assembly

| ITEMS | SPECIFICATION |
|--|---|
| RATING VOLTAGE | 50V AC (PER CONTACT PIN) |
| RATING AMPERAGE | 0.2A DC (PER CONTACT PIN) |
| OPERATING TEMPERATURE | 233~358K(-40°C~+85°C) |
| OPERATING HUMIDITY | 85% MAX.(NON-CONDENSING) |
| CONTACT RESISTANCE | INITIAL : 100mohm MAX. / AFTER TEST : \triangle 40mohm MAX. |
| INSULATION RESISTANCE | INITIAL : 100Mohm MIN. / AFTER TEST : 100Mohm MIN. |
| DIELECTRIC WITHSTANDING VOLTAGE | AC150V 1min |
| DURABILITY | 20 CYCLES |
| ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES) | INITIAL: 0.2N (20.4gf) \times n MAX. 20 CYCLES : 0.2N (20.4gf) \times n MAX. |
| ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES) | INITIAL: 0.014N (1.4gf) \times n MIN. 20 CYCLES : 0.014N (1.4gf) \times n MIN. |
| FPC RETENTION FORCE (INITIAL / 20TH CYCLES) | INITIAL: 0.2N (20.4gf) \times n MIN. 20 CYCLES : 0.2N (20.4gf) \times n MIN. |
| COPLANARITY | 0.10 MAX. |
| PRODUCT SPECIFICATION | PRS-2319 |
| TEST REPORT | TR-16128 |
| PACKING STANDARD | PST-16121 |
| INSTRUCTION MANUAL | HIM-16031 |
| APPEARANCE CRITERIA No. | QLS-A*** |


※ "n" IS THE NUMBER OF PIN

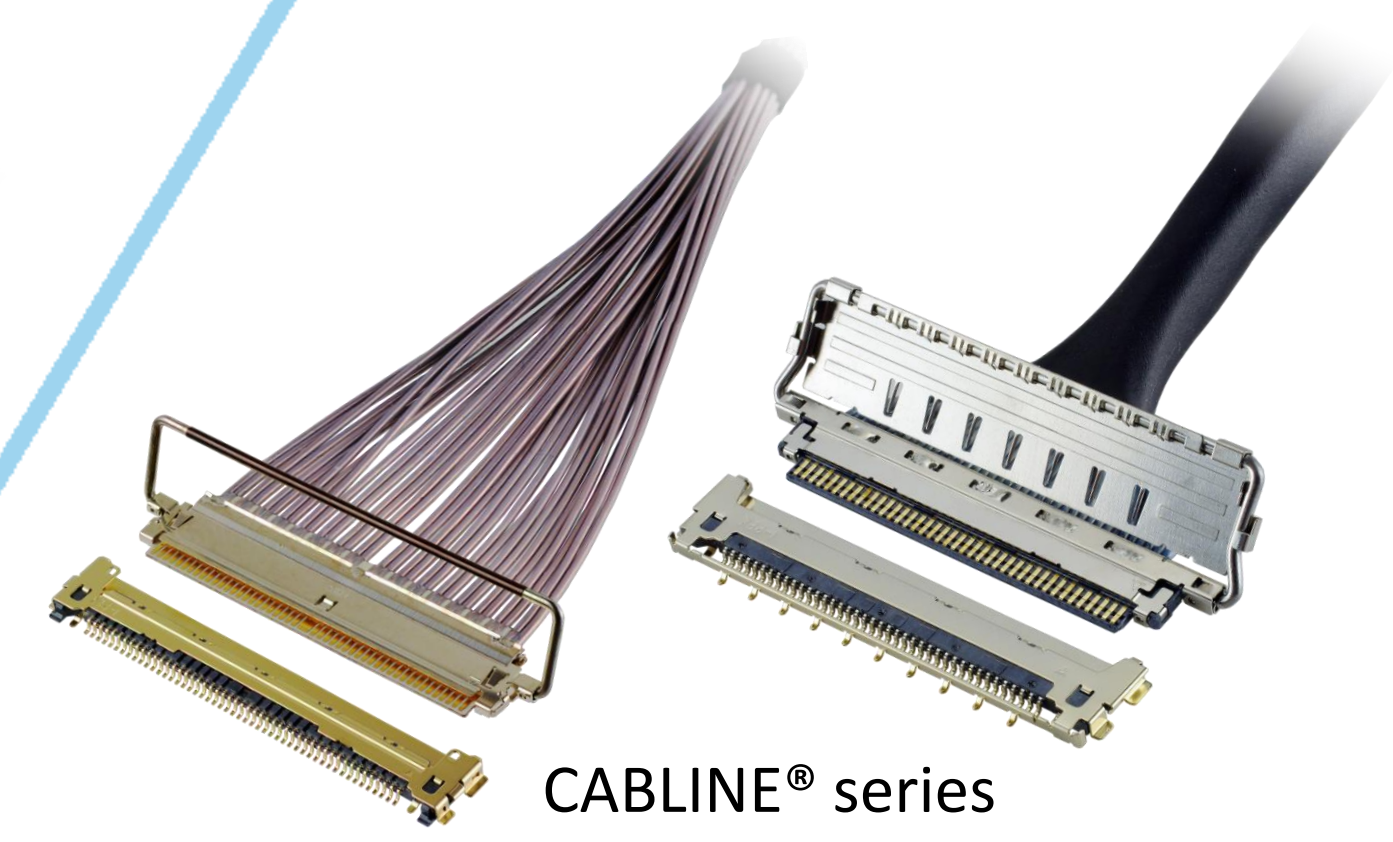
Custom Connectors Available

 RF Connector

MHF® series



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



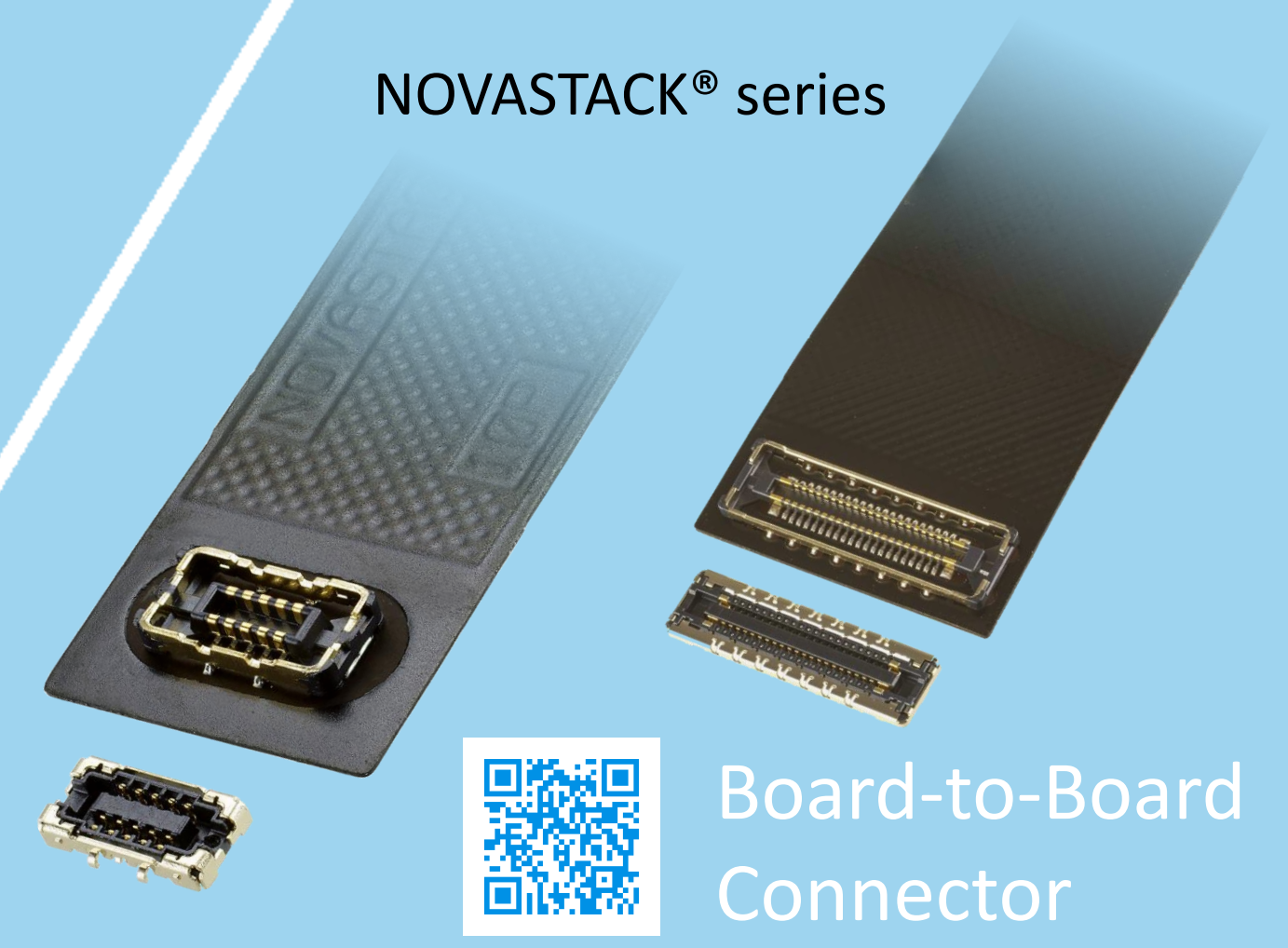
 Optical Module

LIGHTPASS® series



NOVASTACK® series

 Board-to-Board Connector



 Power Connector/
Terminal

AP series

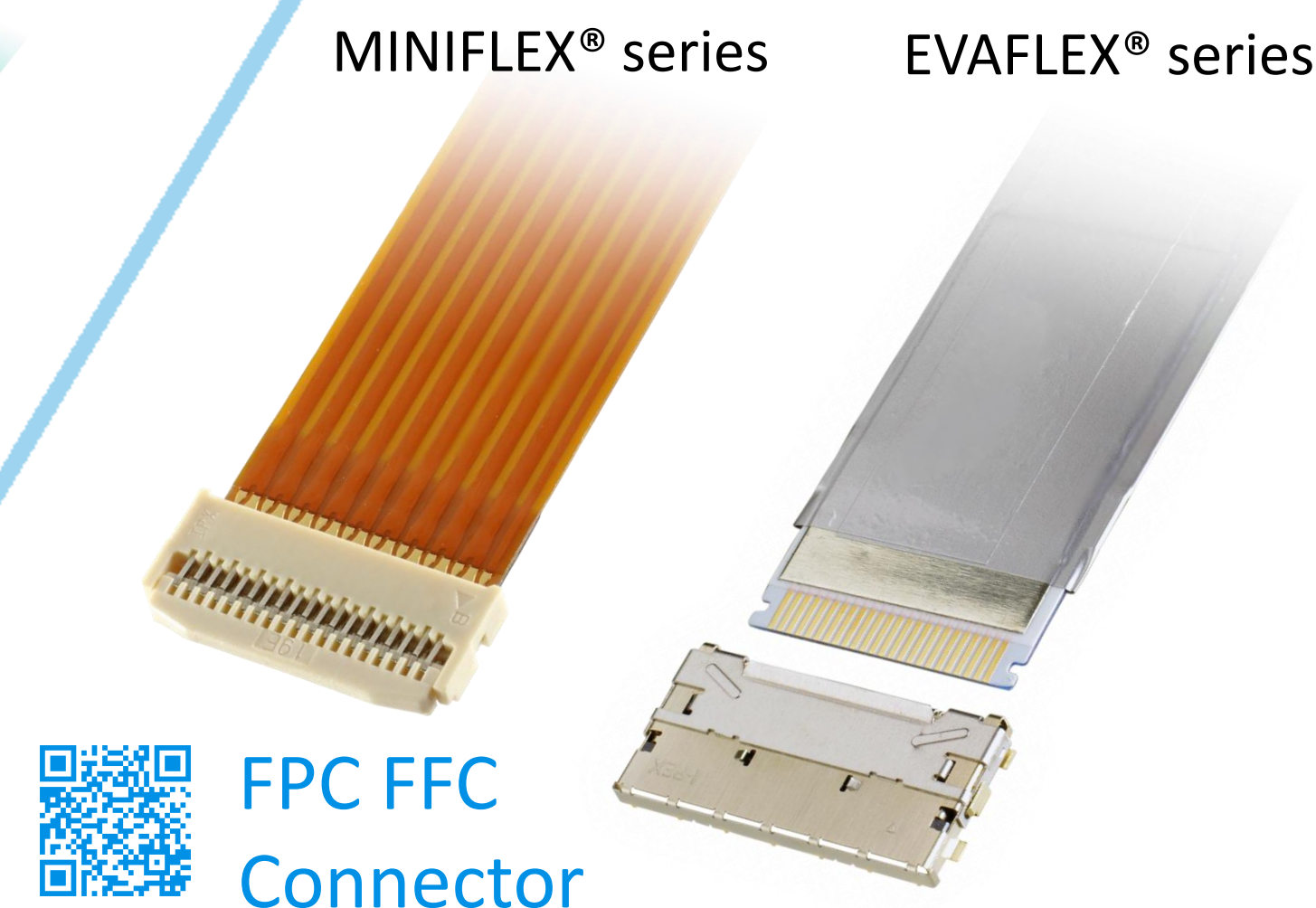
ISH® series



MINIFLEX® series

EVAFLEX® series

 FPC FFC Connector

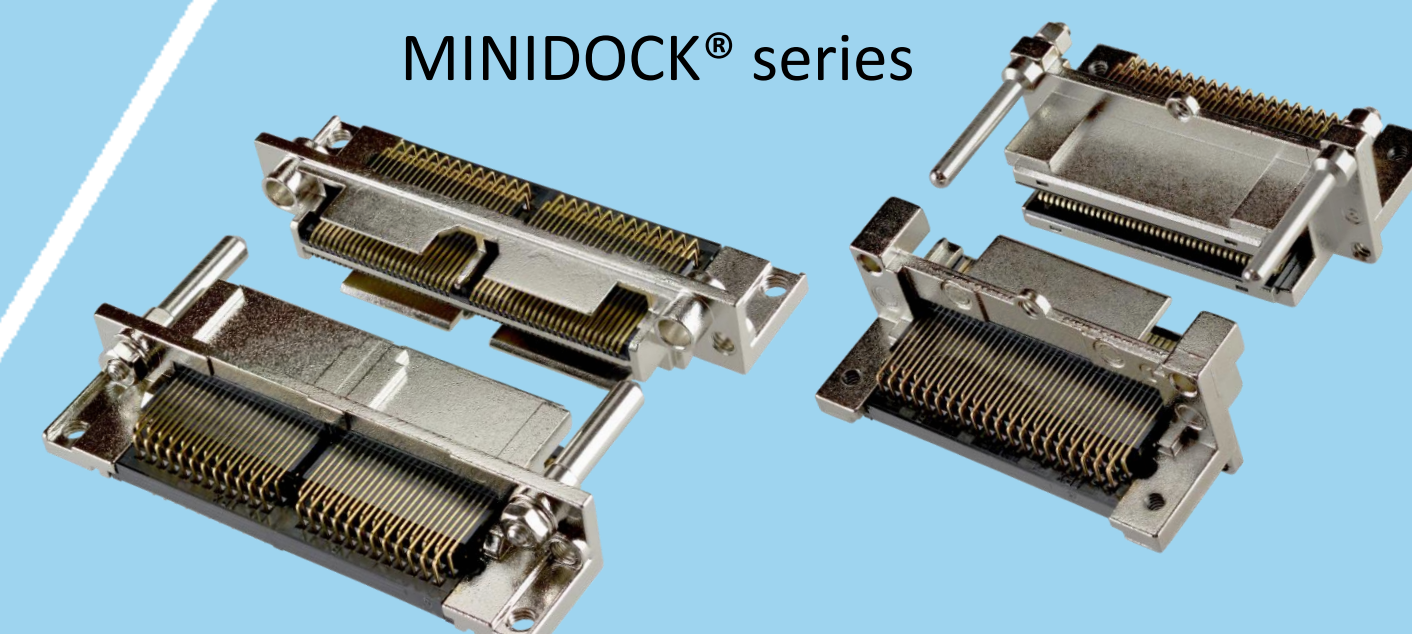


Inquiry



MINIDOCK® series

 I/O Connector



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