## MINIFLEX® 4-ST

Super low profile (height = 0.5 mm), 0.4 mm pitch, horizontal mating, backflip

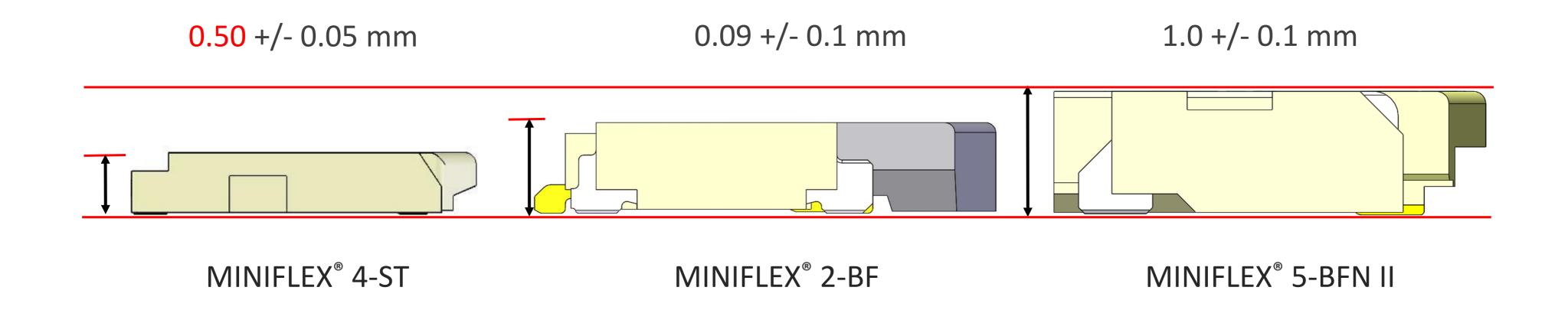
Product Specifications:		
Board Pitch (mm)		0.4
Wiping Length (mm)		0.8
	Height	0.50 +/- 0.05
Size (mm)	Width	Formula: 1.9+(0.4*?p)
	Depth	Open: 2.7
		Close: 3.0
Pin counts	Range	4-15
Fill Counts	Available	4, 6, 8, 10, 12

	Applicable FPC/FFC:		
	FPC/FFC Contact Pitch	0.4	
	FPC/FFC Contact Point	Тор	
	FPC/FFC Thickness (mm)	0.12 +/- 0.03	
$\neg$			

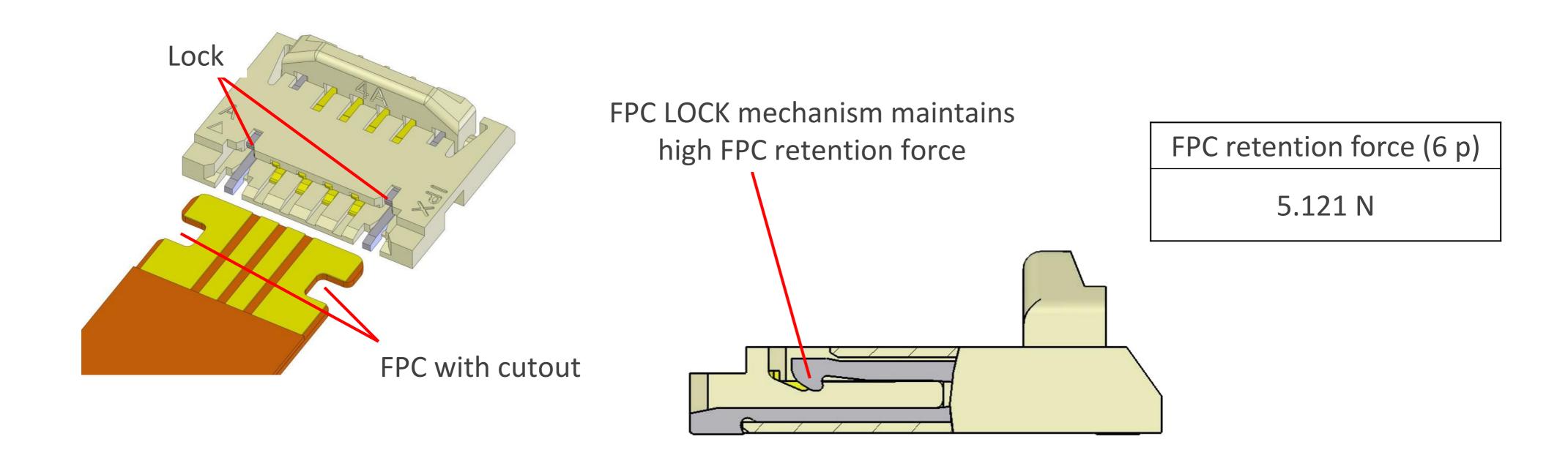


#### Super low height 0.5 mm

Lowest height in our MINIFLEX® series product lineup



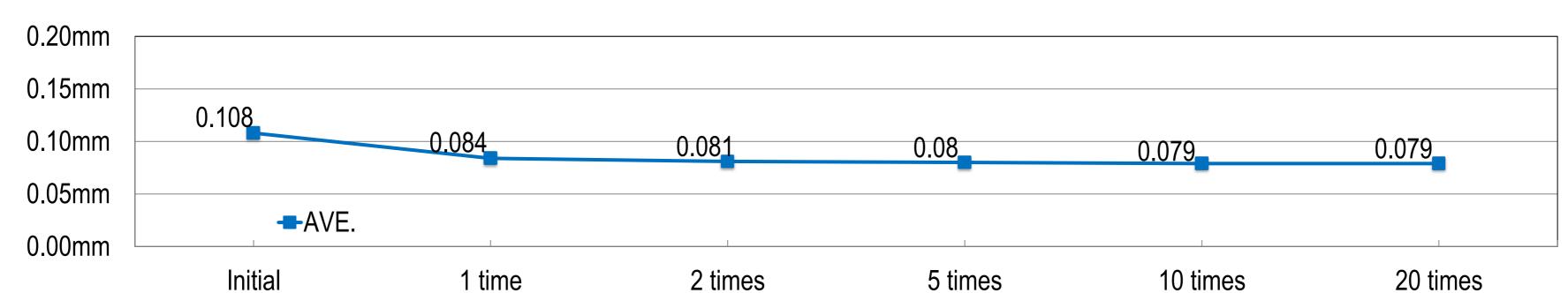
### High FPC retention force with additional mechanical lock



### Usability for closing actuator without FPC

The connector will still function even if the actuator is accidentally closed without the FPC being inserted after the SMT process

■ Connector will still function reliably (contact gap graph 10 pins before and after operating actuator without FPC inserted)



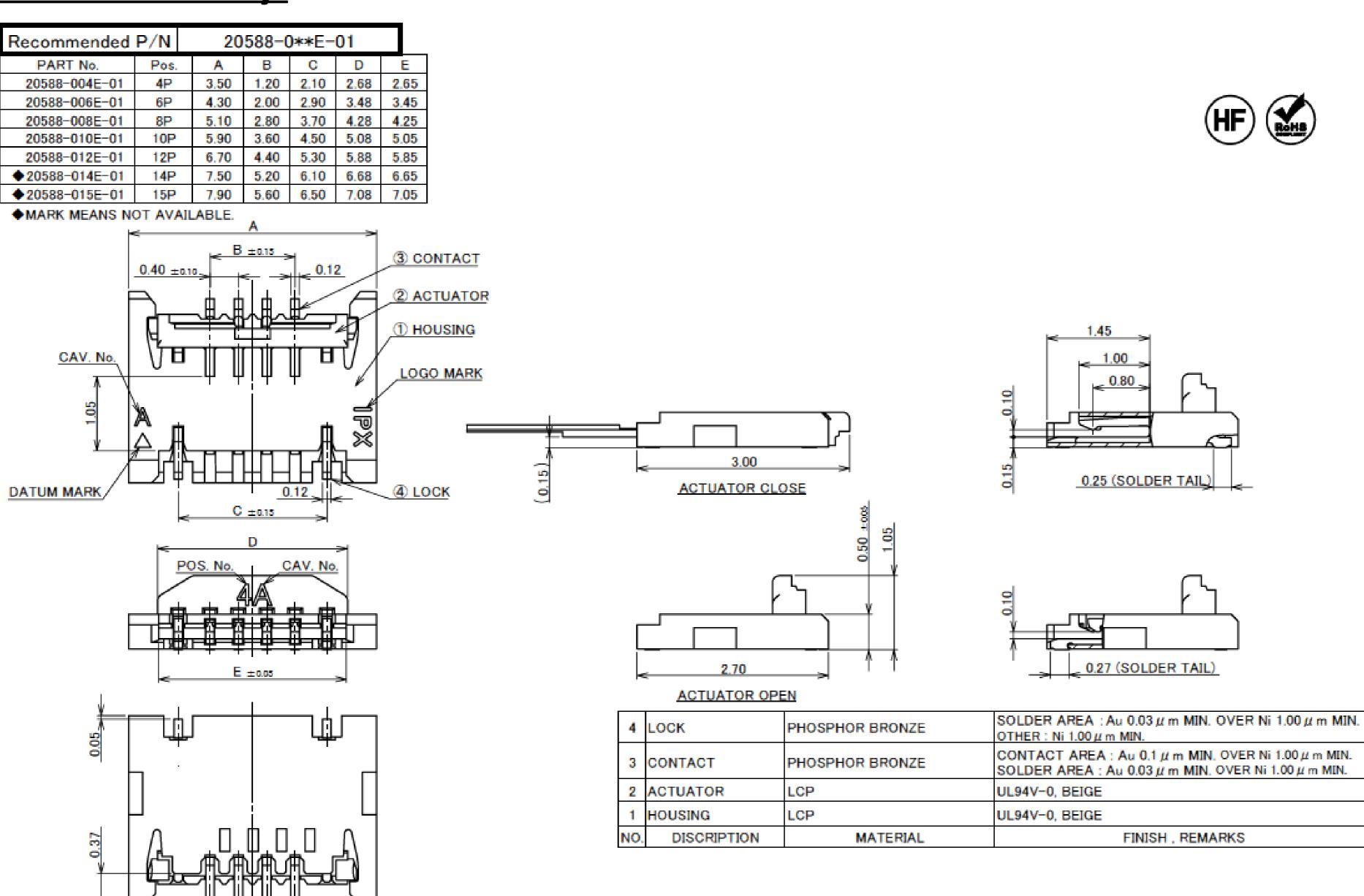
- Insertion force of connector goes up
- Retention force of connector does not change significantly



<sup>\*</sup> Please inquire for pin counts not listed or outside of the pin count range.

# Component Parts Details

### **Connector Assembly**

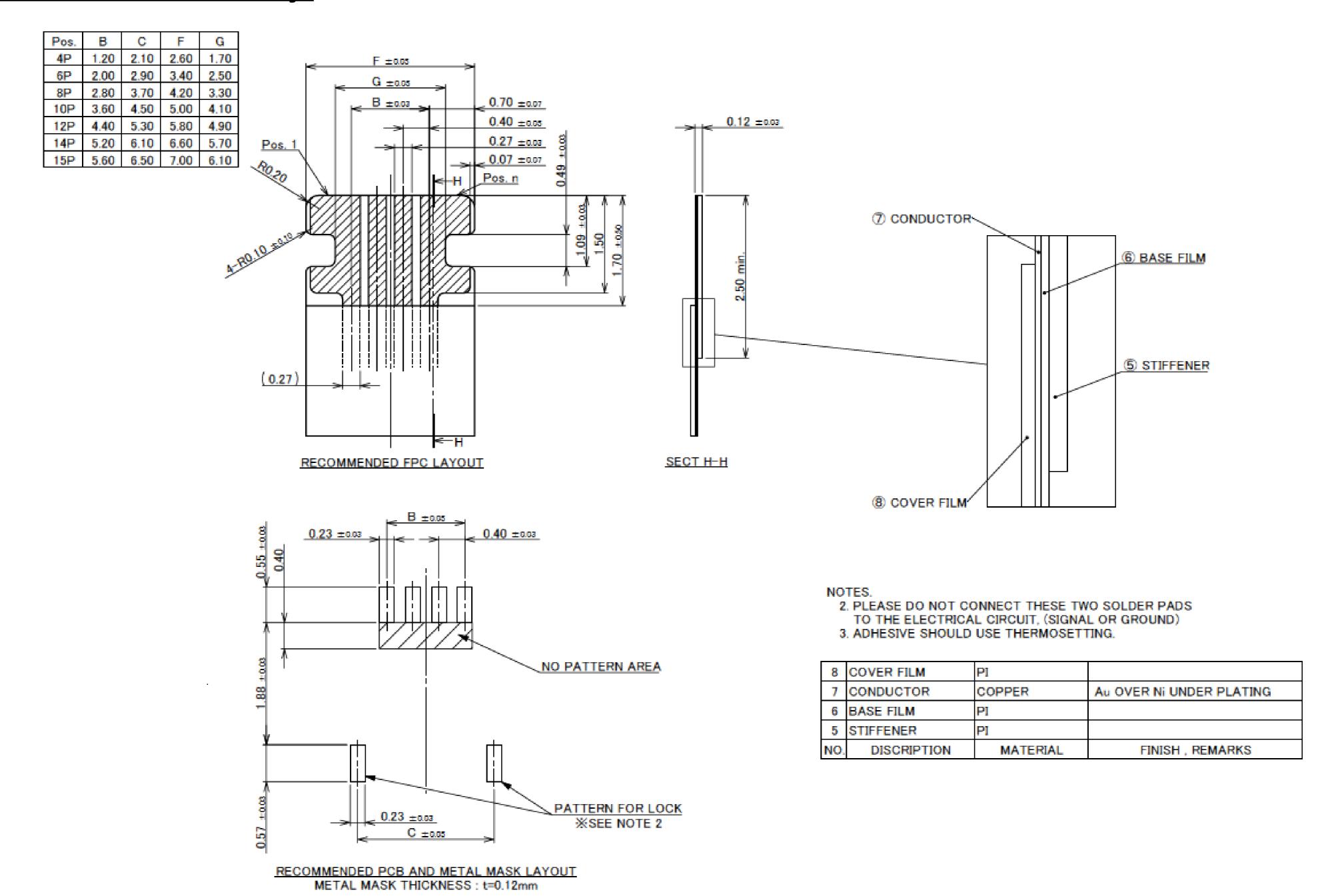


NOTES

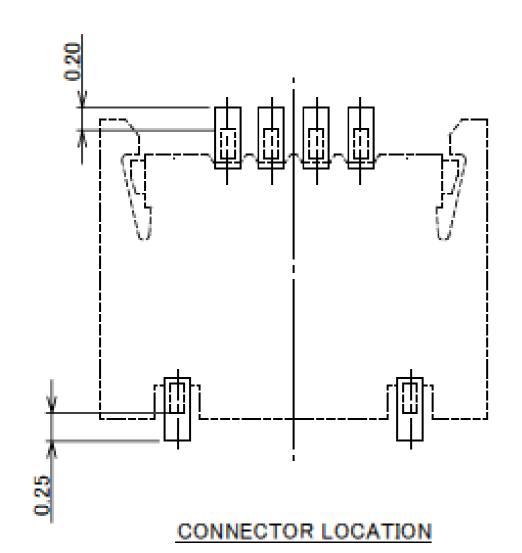
1.CONTACT POINT : ONLY UPPER CONTACT

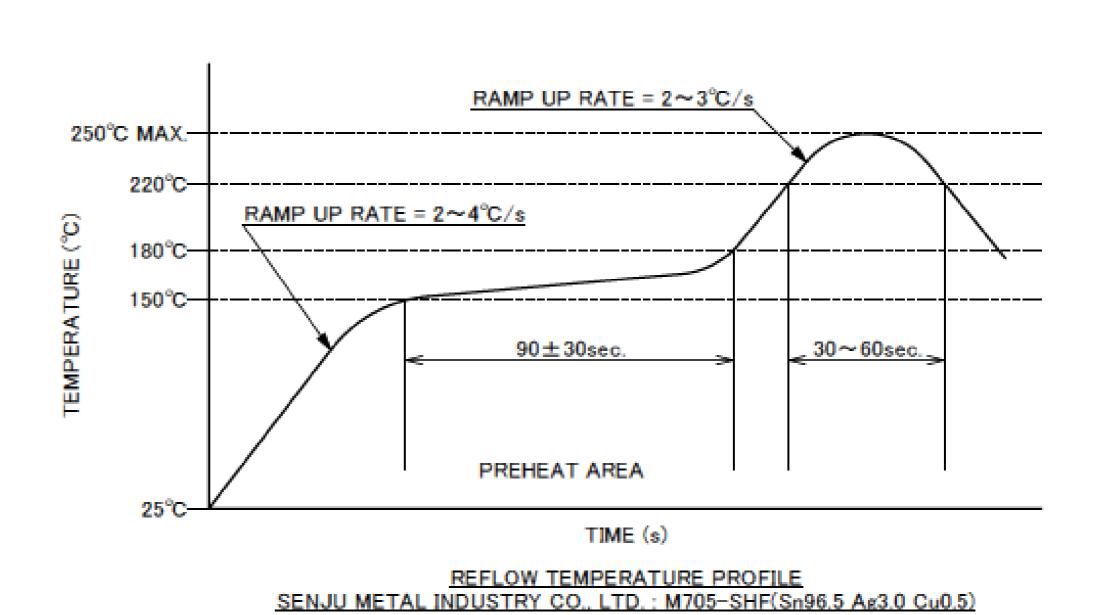
Rev.8

### **Connector Assembly**



Rev.8





Rev.8



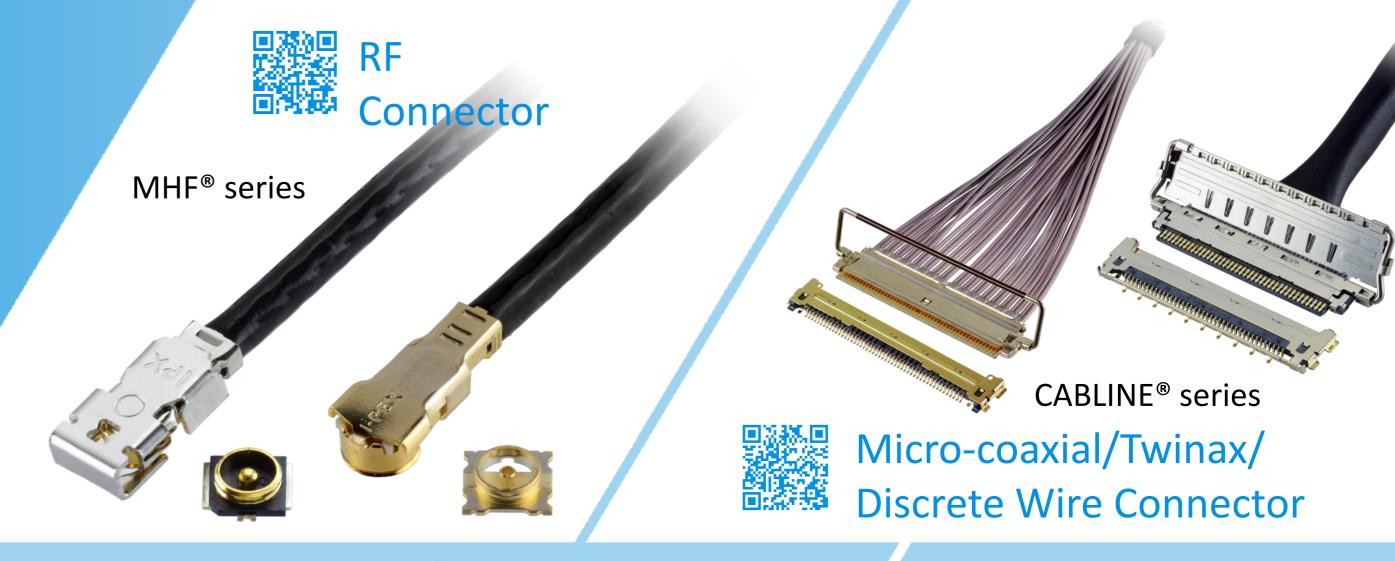
### **Connector Assembly**

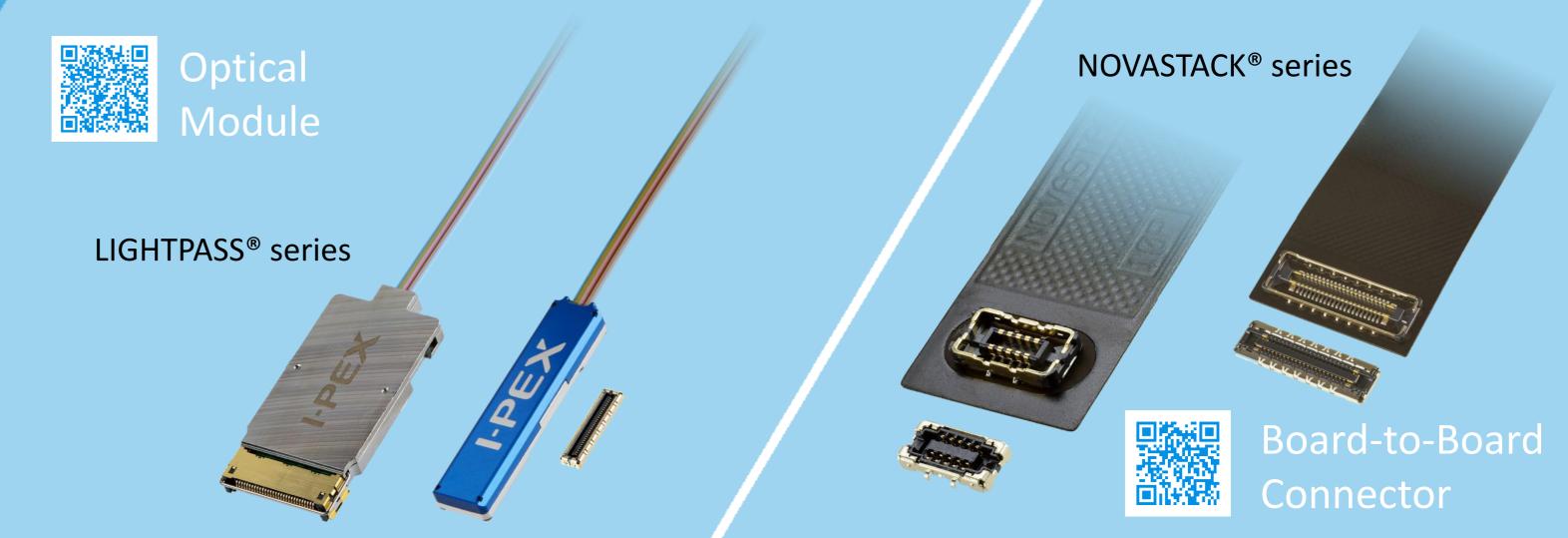
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.4A DC (PER CONTACT)/ 6.0A DC (PER CONNECTOR)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	20~80% (NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL: 60mohm MAX. / AFTER TEST: ∠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***

Rev.8

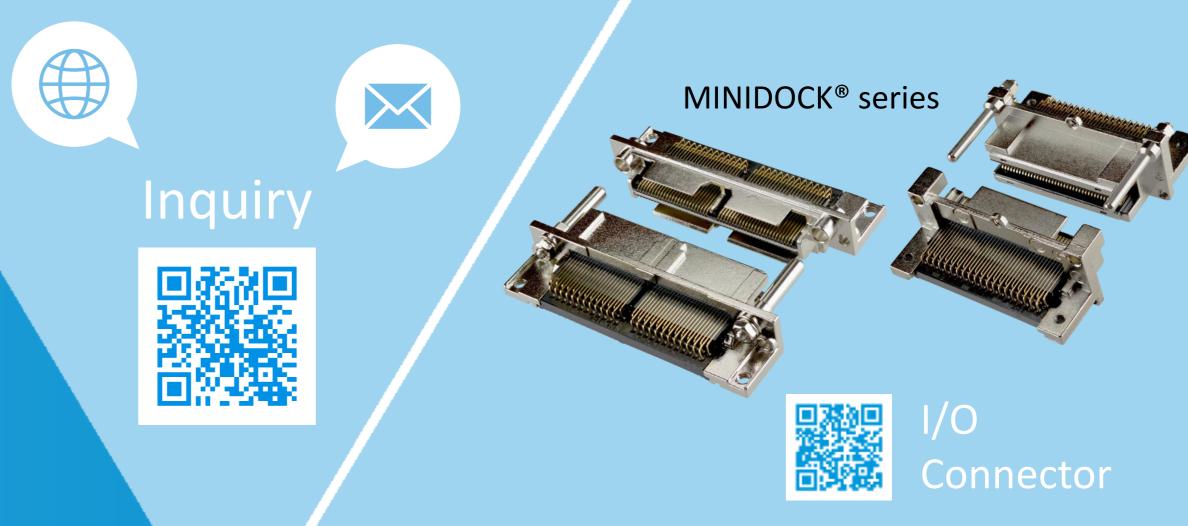


### Custom Connectors Available









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