MINIFLEX® 5-BFN II LK

기계식 Lock 기능, 보강판에 의한 견고성, 고온 대응(125℃), 저배 (높이 1.0 mm),0.5 mm Pitch, 수평 결합, 백플립

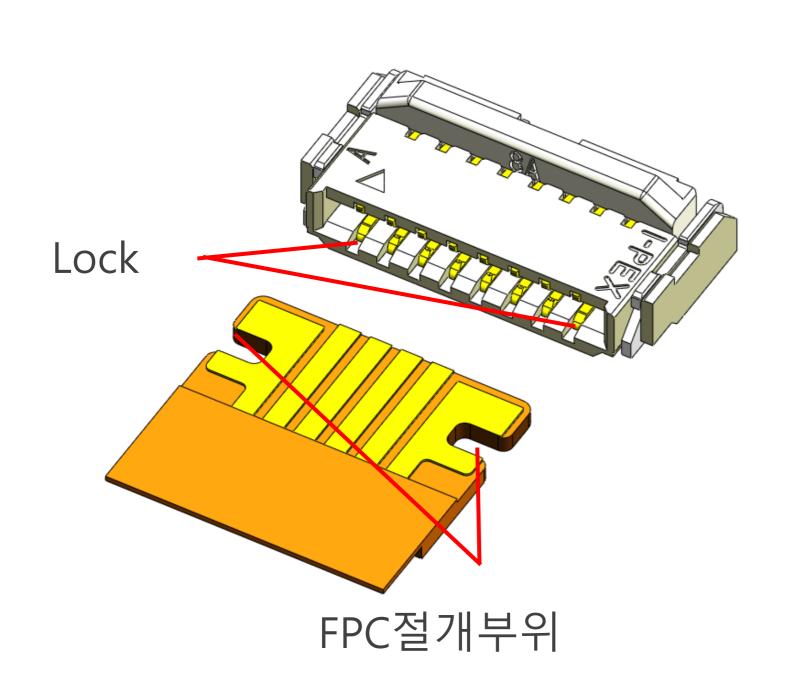
Product Specifications:						
Board Pitch Wiping Length		0.5 mm				
		1 mm				
	Height	1.0 +/- 0.1 mm				
Cizo	Width	2.7 + (0.5 x pin count) mm				
Size	Depth	Open: 3.0 mm				
		Close: 3.5 mm				
Din Counts	Range	4 to 28				
Pin Counts	Available	4, 6, 8, 10, 12, 14, 16, 18, 20, 24				

*기재가 되어있지 않은 핀 수이 대응 여부에 대해서는 문이해 부탁 드립니다

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



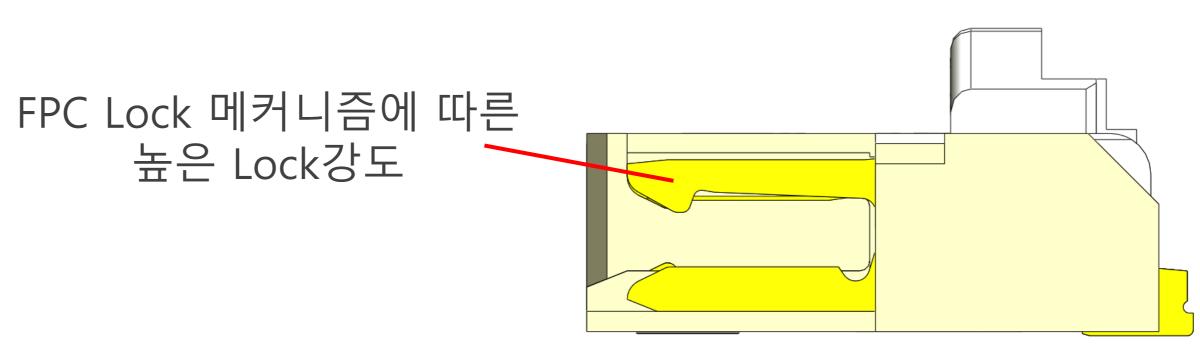
기계식 Lock 기능에 의한 높은 FPC 유지력



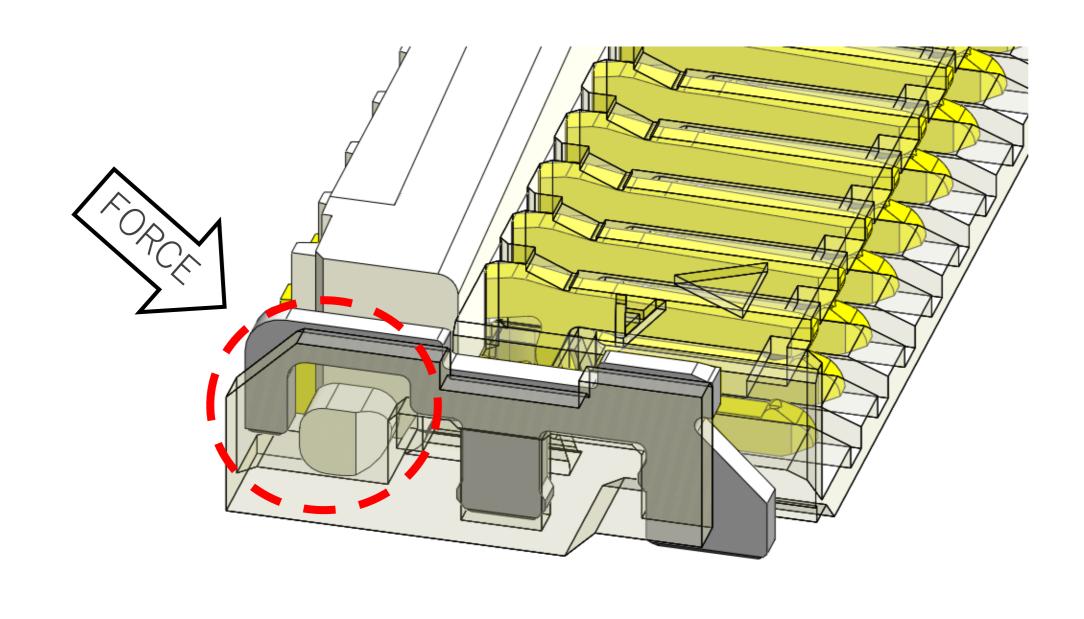
MFX5-BFN II LK MFX5-BFN II

10.59 N 4.17 N

FPC Lock 강도비교 (6 pin)



독자적인 보강판 형상을 통해 액추에이터의 탈락을 방지



100 N 의 힘으로도 Actuator의 탈락이 없음

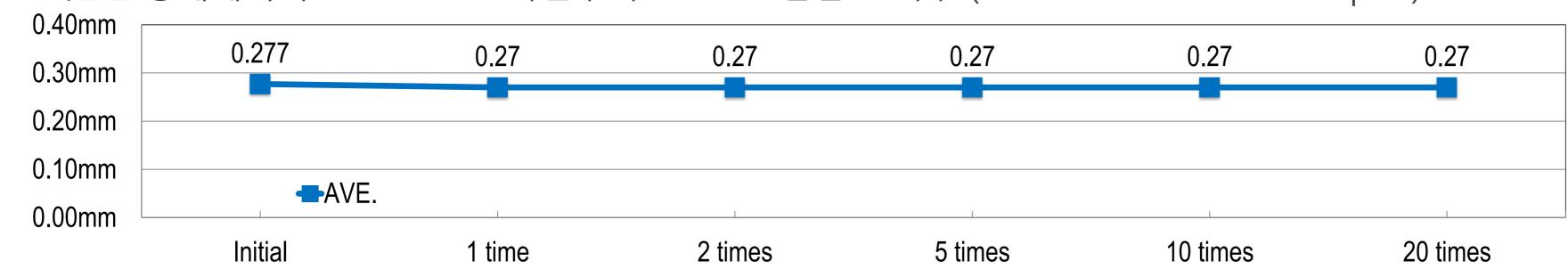
*먼저, Housing의 파손이 발생

*Actuator가 빠지기 쉬운 30도로 기울어진 상태에서 힘의 Vektor를 측정

FPC 미삽입 상태에서도 액추에이터 닫기 조작 가능(단자 변형 최소화

SMT Process후에 FPC가 삽입되지 않은 상태에서 Actuator조작을 하게 된 경우에도 Contact는 정상적으로 기능합니다

■ FPC미삽입 상태에서의 Actuator 조작전후의 Contact 접점간 치수 (MINIFLEX® 5-BFN II 22 pins)

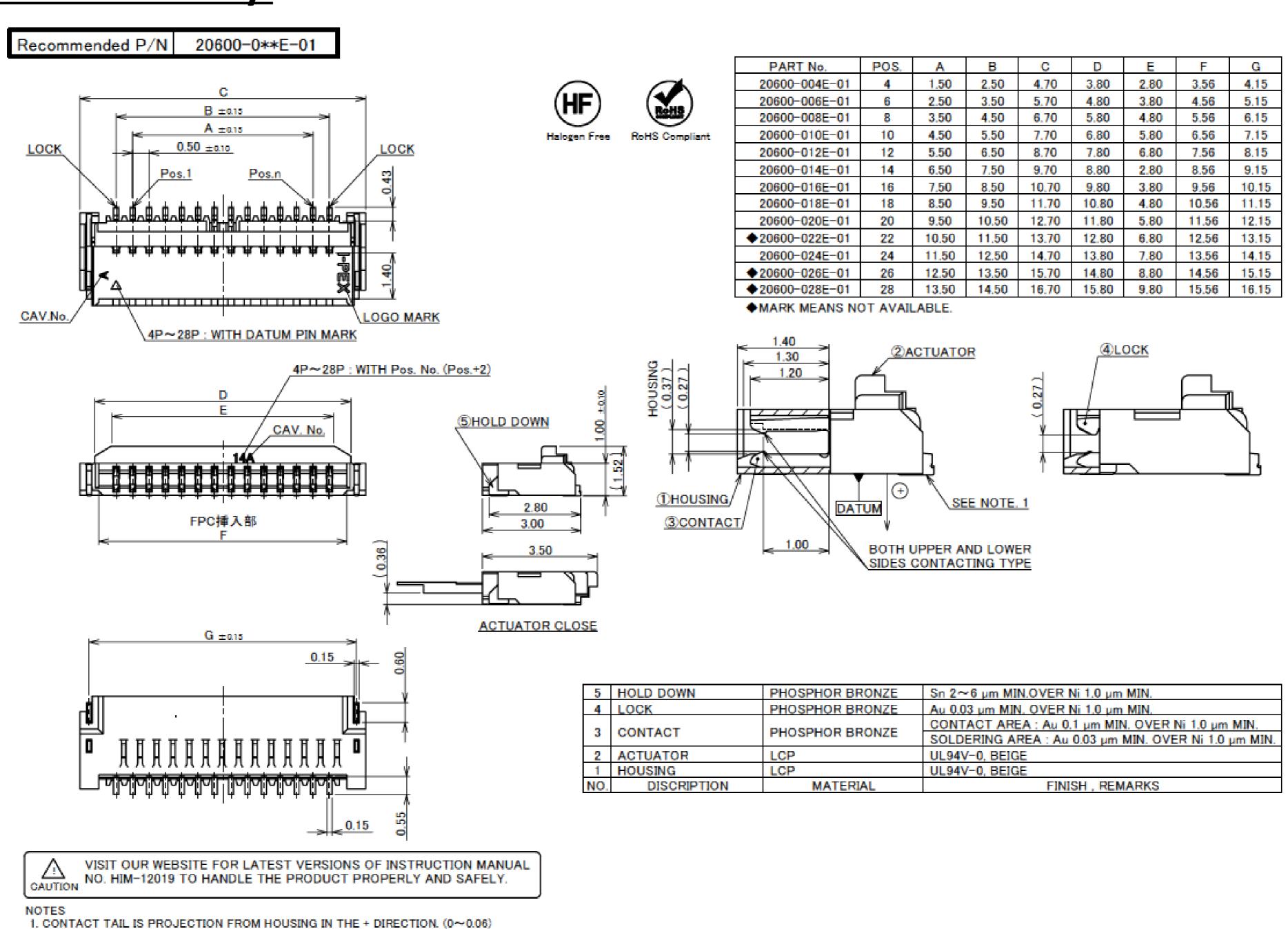


- FPC삽입력은 상승하게 됩니다
- FPC Lock강도에 있어서는 큰 변화가 없습니다



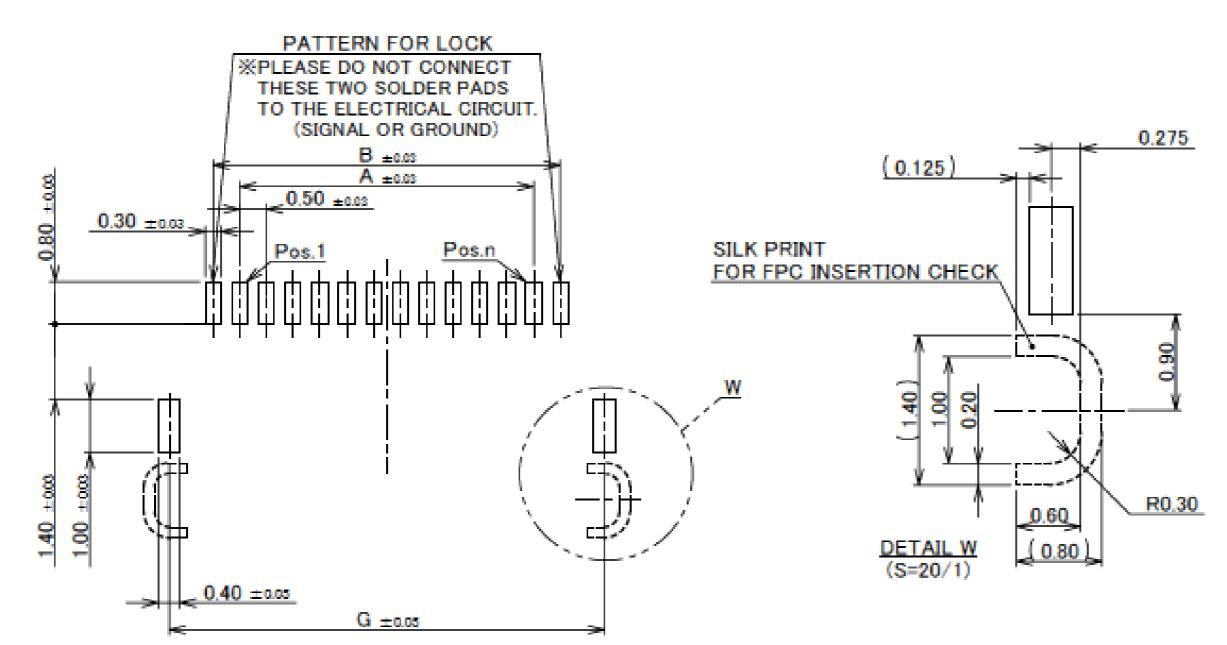
Component Parts Details

Connector Assembly



I-PEX

Connector Assembly

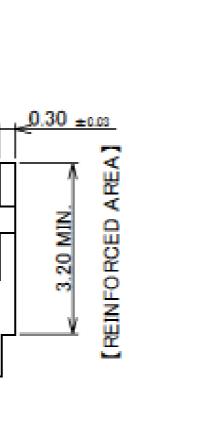


DART No	DOS	Α	В	G	Н	
PART No.	POS.	^	D	J	П	J
20600-004E-01	4	1.50	2.50	4.15	3.50	2.00
20600-006E-01	6	2.50	3.50	5.15	4.50	3.00
20600-008E-01	8	3.50	4.50	6.15	5.50	4.00
20600-010E-01	10	4.50	5.50	7.15	6.50	5.00
20600-012E-01	12	5.50	6.50	8.15	7.50	6.00
20600-014E-01	14	6.50	7.50	9.15	8.50	7.00
20600-016E-01	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.

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

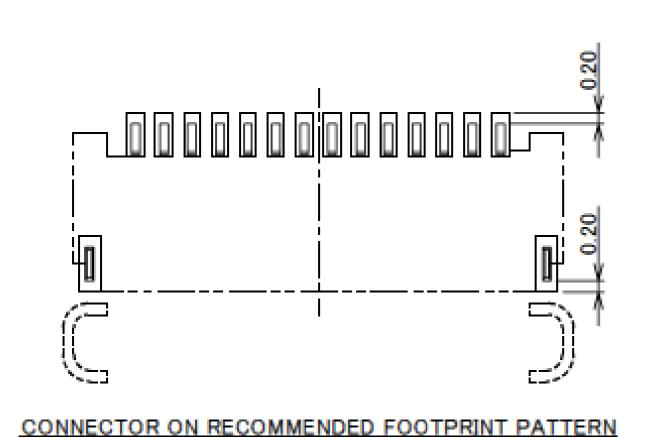
H ±0.05 (0.75) J ±0.05 A ±0.05 .0.10 ±0.07 0.35 ±0.03 0.50 ±0.05 1.00 ±0.10 R0.20 4-R0.20 MAX R0.10 R0.10 0.35 ±0.03 0.50 RECOMMENDED FPC LAYOUT

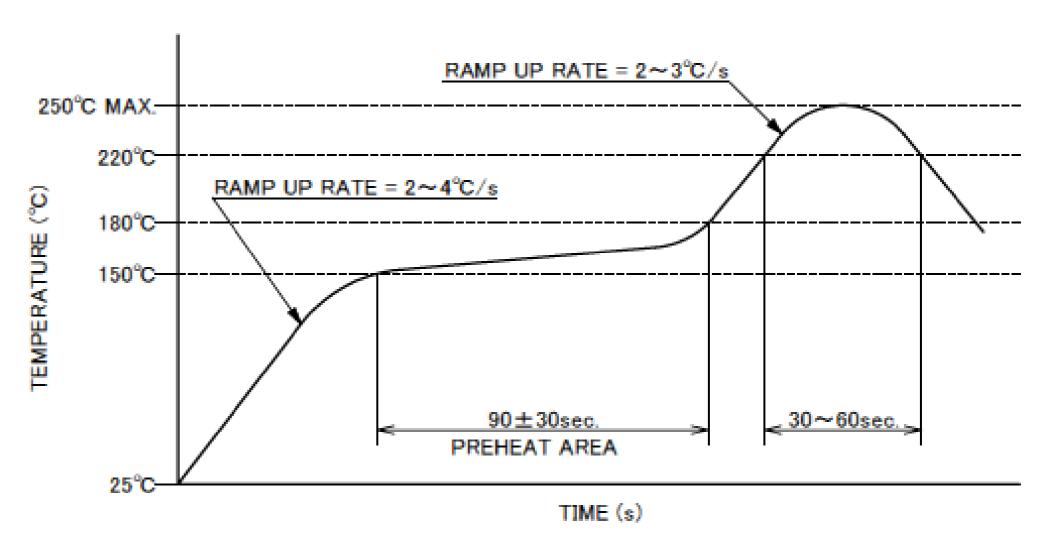


NOTES 2.MATERIAL COVER FILM: PI CONDUCTOR: COPPER(RARE) BASE FILM: PI STIFFENER : PI ADHESIVE : THERMOSETTING ADHESIVE 3.FINISH

Au OVER Ni PLATING.

Rev.10





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



Connector Assembly

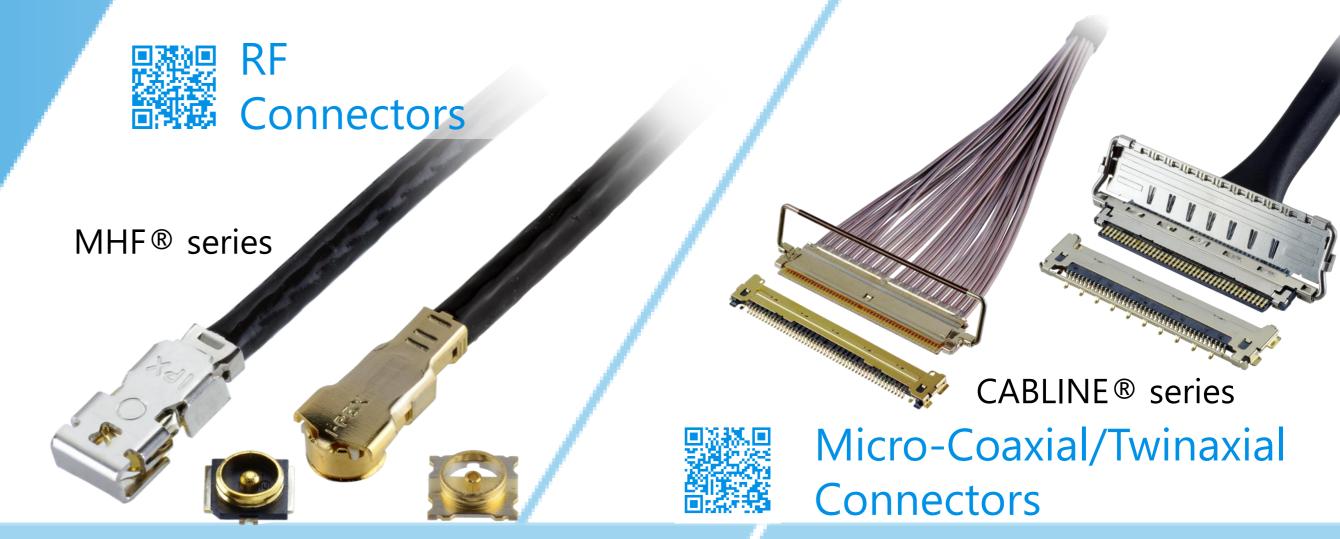
ITEMS	SPECIFICATION			
RATING VOLTAGE	50V AC (PER CONTACT PIN)			
RATING AMPERAGE	0.5A DC (PER CONTACT PIN) 7.0A DC (PER CONNECTOR)			
OPERATING TEMPERATURE	233~398K(-40°C~125°C)			
OPERATING HUMIDITY	80% MAX.(NON-CONDENSING)			
CONTACT RESISTANCE	INITIAL: 40mohm MAX. / AFTER TEST: ∠20mohm MAX.			
INSULATION RESISTANCE	100Mohm MIN.			
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min			
DURABILITY	20TH CYCLES			
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES: 0.6N(61gf) × (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

Rev.10

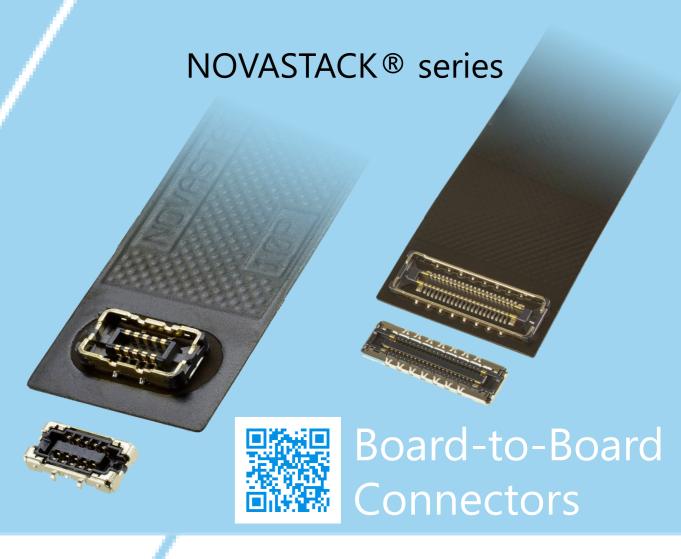


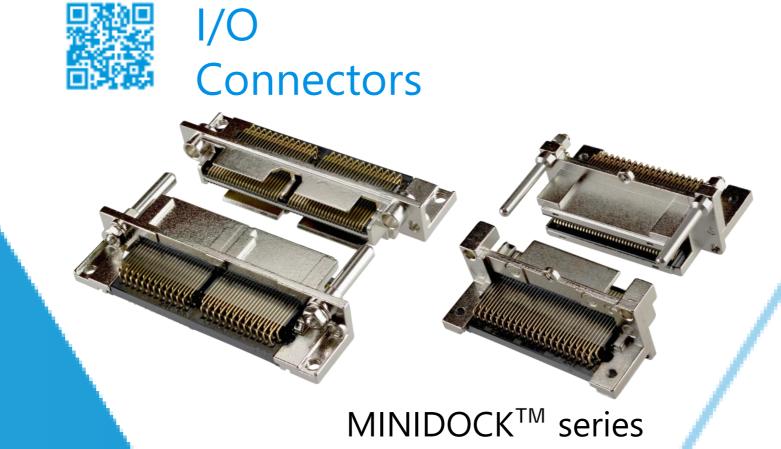
Custom Connectors Available









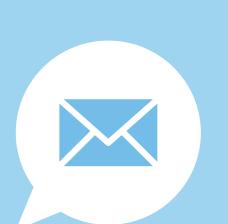












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