

MINIFLEX® 175-ST

초저배 (높이 = 0.52 mm), 0.175 mm Pitch, 수평 결합, 백플립

Product Specifications:

Board Pitch (mm)	0.175	
Wiping Length (mm)	Contact A: 0.85	
	Contact B: 0.40	
Size (mm)	Height	0.52+/-0.05
	Width	Formula: Even number pos. : 2.09 +(0.175*?p) Odd number pos. : 1.915 +(0.175*?p)
	Depth	Open: 2.65 Close: 3.0
Pin counts	Range	7-31 (odd)
	Available	16, 19

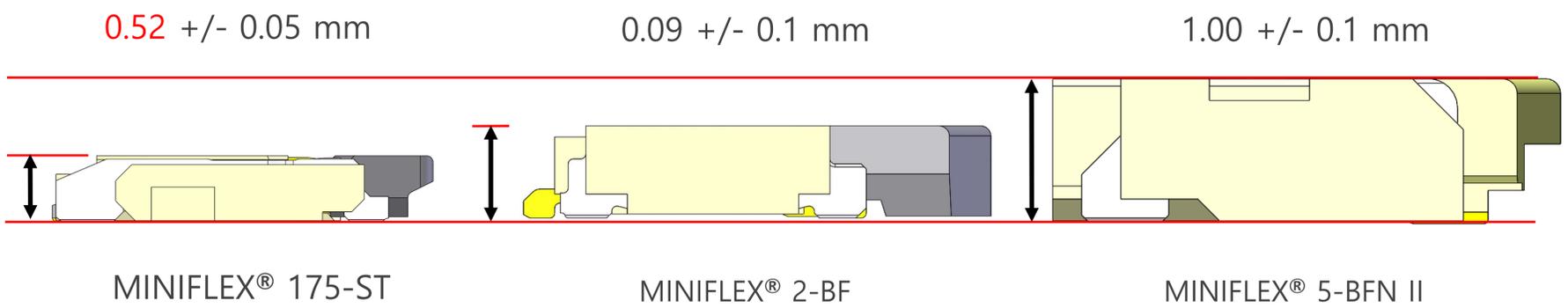
Applicable FPC/FFC:

FPC/FFC Contact Pitch	0.175
FPC/FFC Contact Point	Top
FPC/FFC Thickness (mm)	0.12 +/- 0.03

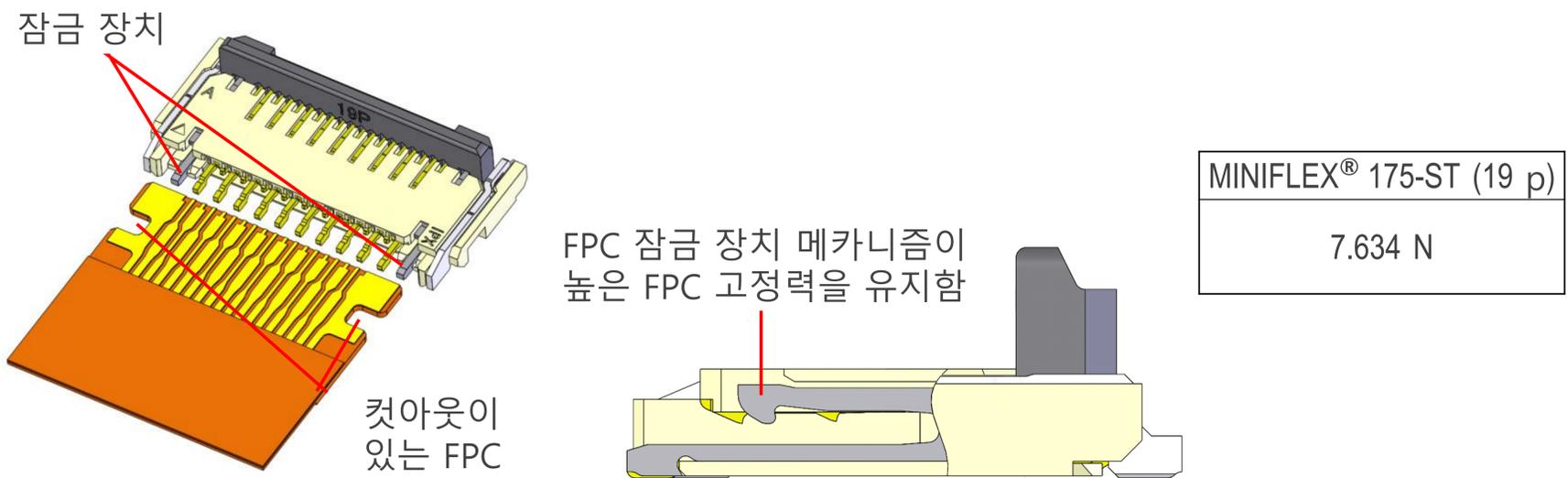


*기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의해 부탁드립니다.

▶ 초저배 높이 0.52 mm



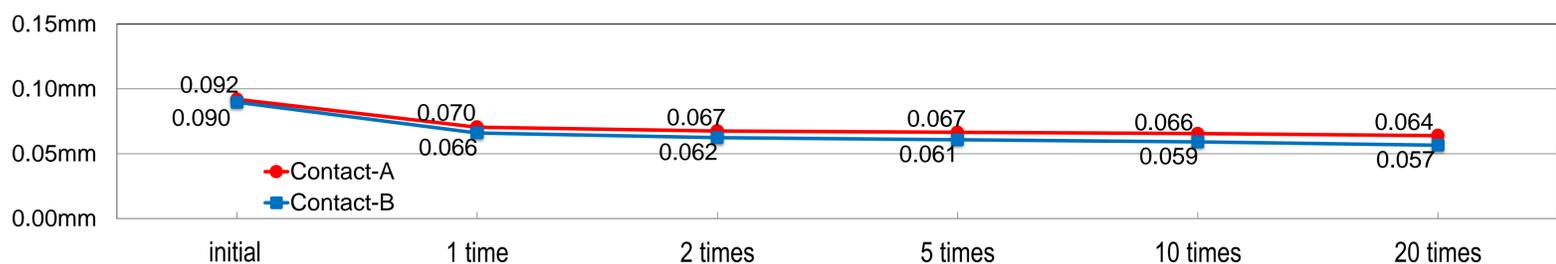
▶ 기계식 Lock 기능에 의한 높은 FPC 유지력



▶ FPC 미삽입 상태에서도 액추에이터 닫기 조작 가능(단자 변형 최소화)

SMT 공정 후에 FPC를 삽입하지 않고 우연히 액추에이터를 닫은 경우에도 Contact 변형 최소화

- 커넥터가 여전히 안정적으로 작동합니다(FPC를 삽입하지 않은 상태에서 액추에이터 작동 전후 접촉 간격 그래프 19핀)



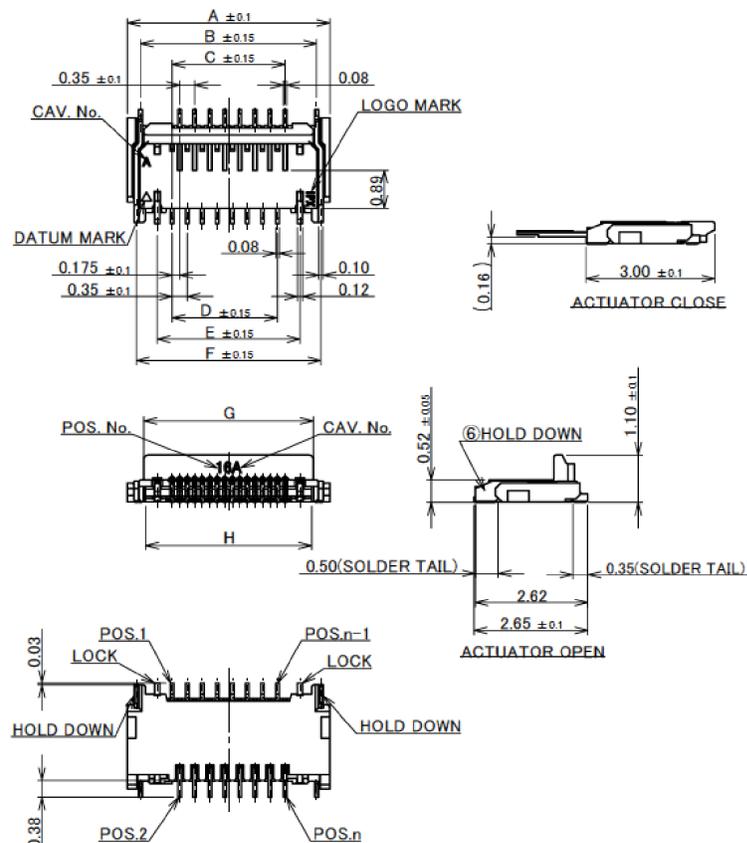
- 커넥터의 삽입력 상승
- 커넥터의 고정력은 큰 변화 없음

Component Parts Details

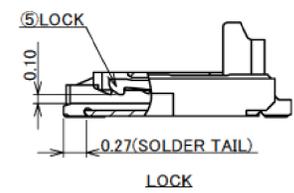
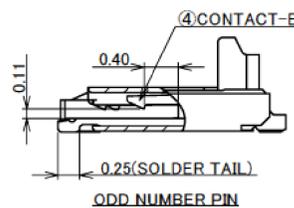
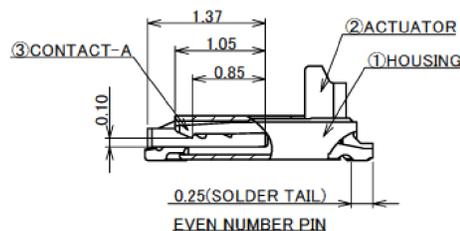
Connector Assembly

Recommended P/N		20622-0**E-02							
PART NO.	Pos.	A	B	C	D	E	F	G	H
◆20622-008E-0#	8	3.315	2.700	1.225	1.050	1.925	2.900	2.540	2.480
◆20622-010E-0#	10	3.665	3.050	1.575	1.400	2.275	3.250	2.890	2.810
◆20622-012E-0#	12	4.015	3.400	1.925	1.750	2.625	3.600	3.240	3.160
◆20622-014E-0#	14	4.365	3.750	2.275	2.100	2.975	3.950	3.590	3.510
◆20622-016E-0#	16	4.715	4.100	2.625	2.450	3.325	4.300	3.940	3.860
◆20622-018E-0#	18	5.065	4.450	2.975	2.800	3.675	4.650	4.290	4.210
◆20622-020E-0#	20	5.415	4.800	3.325	3.150	4.025	5.000	4.640	4.560
◆20622-022E-0#	22	5.765	5.150	3.675	3.500	4.375	5.350	4.990	4.910
◆20622-024E-0#	24	6.115	5.500	4.025	3.850	4.725	5.700	5.340	5.260
◆20622-026E-0#	26	6.465	5.850	4.375	4.200	5.075	6.050	5.690	5.610
◆20622-028E-0#	28	6.815	6.200	4.725	4.550	5.425	6.400	6.040	5.960
◆20622-030E-0#	30	7.165	6.550	5.075	4.900	5.775	6.750	6.390	6.310

◆ MARK MEANS NOT AVAILABLE



P/N : 20622-0**E-0#
 1 : HOUSING COLOR : BLACK
 2 : HOUSING COLOR : BEIGE
 POS.



NOTES.
 1. CONTACT POINT: ONLY TOP CONTACT

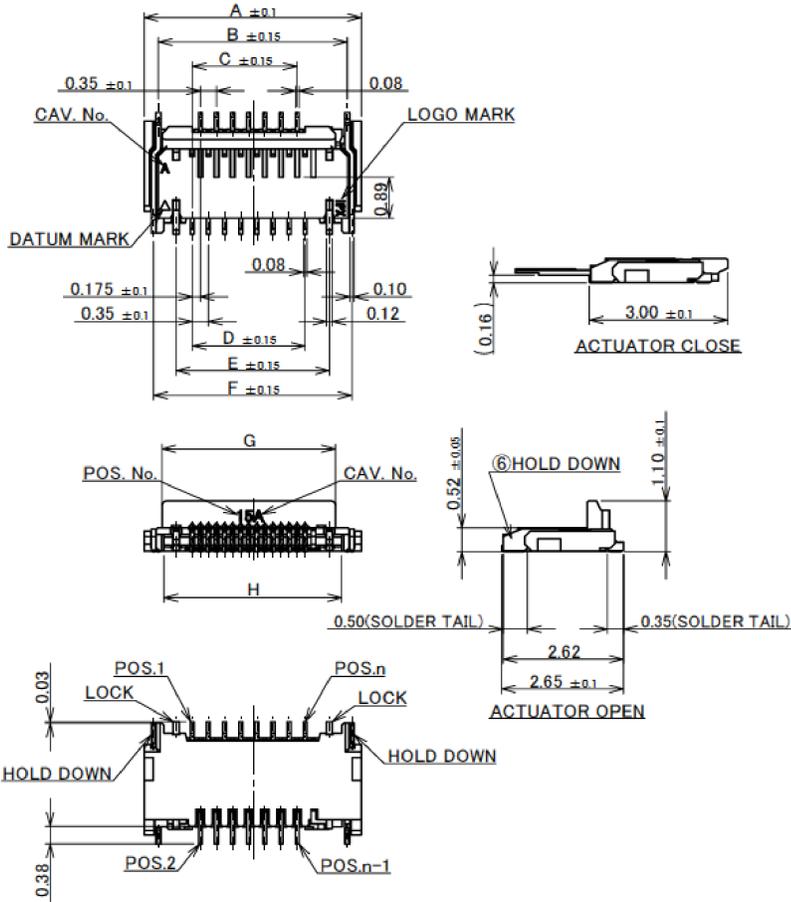
EVEN NUMBER POSITION

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
6	HOLD DOWN	PHOSPHOR BRONZE	SOLDERING AREA : Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
5	LOCK	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN.
4	CONTACT-B	PHOSPHOR BRONZE	CONTACT AREA : Au 0.10 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
3	CONTACT-A	PHOSPHOR BRONZE	CONTACT AREA : Au 0.10 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
2	ACTUATOR	LCP	UL94V-0, BLACK
1	HOUSING	LCP	UL94V-0, BLACK or BEIGE

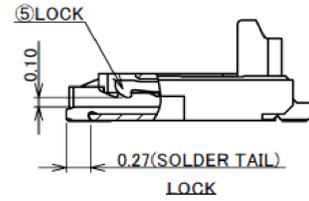
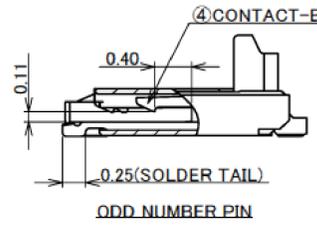
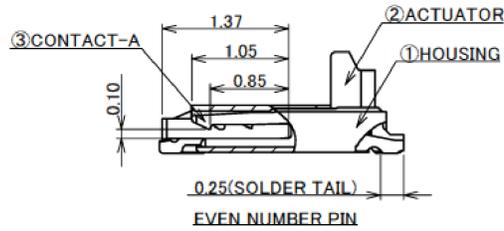
Connector Assembly

P/N	Pos	A	B	C	D	E	F	G	H
◆20622-007E-0#	7	3.140	2.525	0.875	1.050	1.750	2.725	2.365	2.285
◆20622-009E-0#	9	3.490	2.875	1.225	1.400	2.100	3.075	2.715	2.635
◆20622-011E-0#	11	3.840	3.225	1.575	1.750	2.450	3.425	3.065	2.985
◆20622-013E-0#	13	4.190	3.575	1.925	2.100	2.800	3.775	3.415	3.335
◆20622-015E-0#	15	4.540	3.925	2.275	2.450	3.150	4.125	3.765	3.685
◆20622-017E-0#	17	4.890	4.275	2.625	2.800	3.500	4.475	4.115	4.035
◆20622-019E-0#	19	5.240	4.625	2.975	3.150	3.850	4.825	4.465	4.385
◆20622-021E-0#	21	5.590	4.975	3.325	3.500	4.200	5.175	4.815	4.735
◆20622-023E-0#	23	5.940	5.325	3.675	3.850	4.550	5.525	5.165	5.085
◆20622-025E-0#	25	6.290	5.675	4.025	4.200	4.900	5.875	5.515	5.435
◆20622-027E-0#	27	6.640	6.025	4.375	4.550	5.250	6.225	5.865	5.785
◆20622-029E-0#	29	6.990	6.375	4.725	4.900	5.600	6.575	6.215	6.135
◆20622-031E-0#	31	7.340	6.725	5.075	5.250	5.950	6.925	6.565	6.485

◆MARK MEANS NOT AVAILABLE



P/N : 20622-0**E-0#
 1 : HOUSING COLOR : BLACK
 2 : HOUSING COLOR : BEIGE
 POS.



NOTES:
 1. CONTACT POINT: ONLY TOP CONTACT

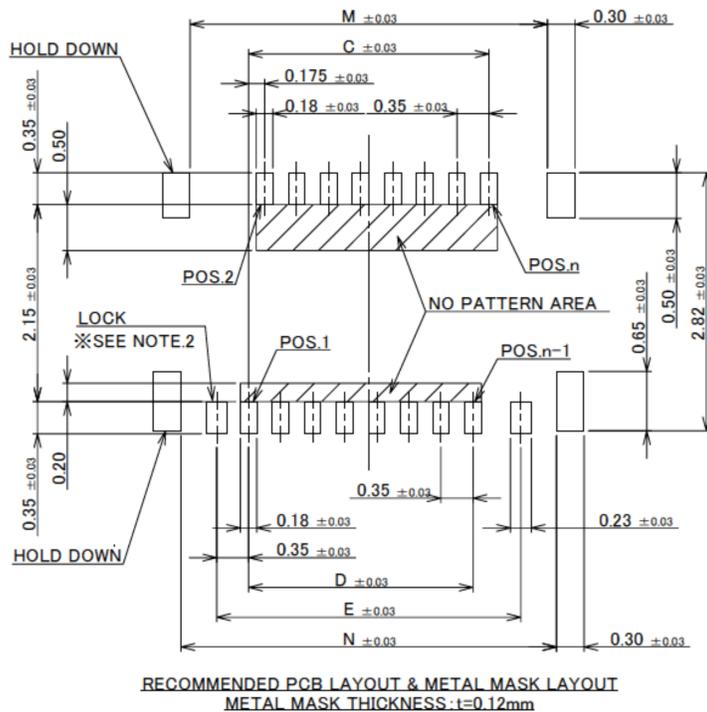
ODD NUMBER POSITION

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
6	HOLD DOWN	PHOSPHOR BRONZE	SOLDERING AREA : Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
5	LOCK	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN.
4	CONTACT-B	PHOSPHOR BRONZE	CONTACT AREA : Au 0.10 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
3	CONTACT-A	PHOSPHOR BRONZE	CONTACT AREA : Au 0.10 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA : Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
2	ACTUATOR	LCP	UL94V-0, BLACK
1	HOUSING	LCP	UL94V-0, BLACK or BEIGE

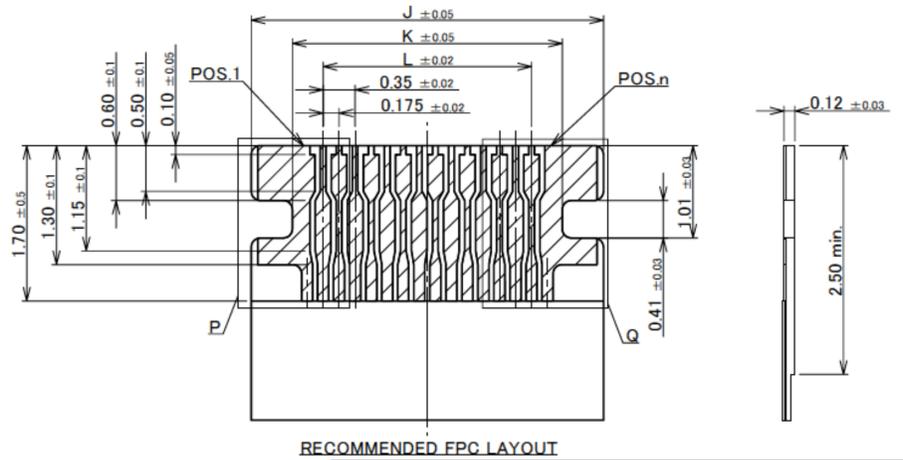
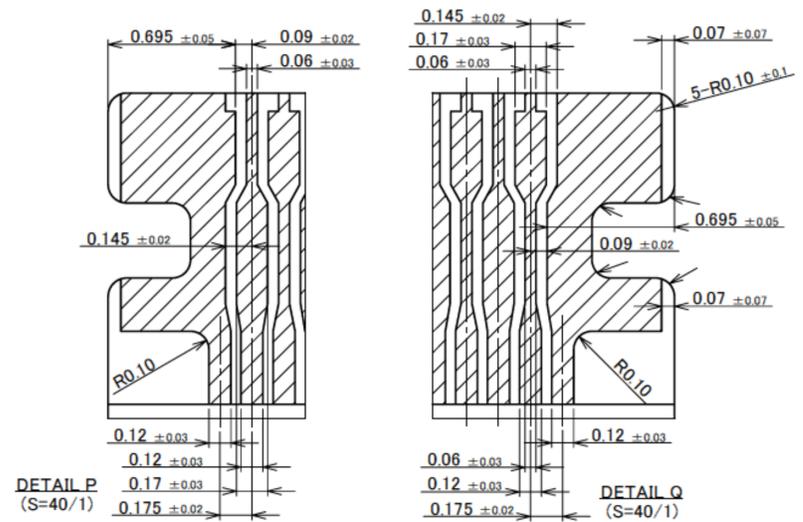
Rev.5

PART NO.	Pos.	C	D	E	J	K	L	M	N
◆20622-008E-0#	8	1.225	1.050	1.925	2.445	1.545	0.875	2.500	2.700
◆20622-010E-0#	10	1.575	1.400	2.275	2.795	1.895	1.225	2.850	3.050
◆20622-012E-0#	12	1.925	1.750	2.625	3.145	2.245	1.575	3.200	3.400
◆20622-014E-0#	14	2.275	2.100	2.975	3.495	2.595	1.925	3.550	3.750
◆20622-016E-0#	16	2.625	2.450	3.325	3.845	2.945	2.275	3.900	4.100
◆20622-018E-0#	18	2.975	2.800	3.675	4.195	3.295	2.625	4.250	4.450
◆20622-020E-0#	20	3.325	3.150	4.025	4.545	3.645	2.975	4.600	4.800
◆20622-022E-0#	22	3.675	3.500	4.375	4.895	3.995	3.325	4.950	5.150
◆20622-024E-0#	24	4.025	3.850	4.725	5.245	4.345	3.675	5.300	5.500
◆20622-026E-0#	26	4.375	4.200	5.075	5.595	4.695	4.025	5.650	5.850
◆20622-028E-0#	28	4.725	4.550	5.425	5.945	5.045	4.375	6.000	6.200
◆20622-030E-0#	30	5.075	4.900	5.775	6.295	5.395	4.725	6.350	6.550

◆MARK MEANS NOT AVAILABLE



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



EVEN NUMBER POSITION

Rev.5

Connector Assembly

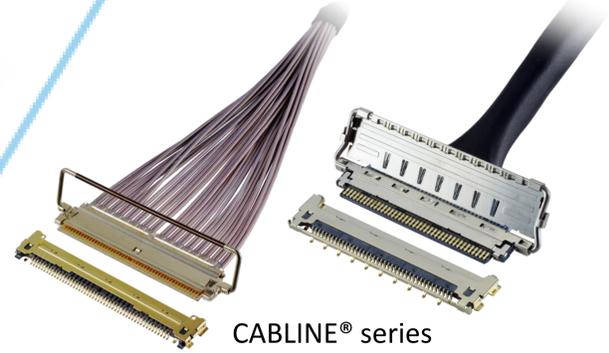
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A DC (PER CONTACT) , 6.0A DC (PER CONNECTOR)
OPERATING TEMPERATURE	233~358K (-40°C~+85°C)
OPERATING HUMIDITY	20~80%RH (NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 80mohm MAX. / AFTER TEST : \triangle 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 100Mohm MIN. / AFTER TEST : 100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	20 CYCLES
ACTUATOR LOCKING FORCE (INITIAL / AFTER 20CYCLES)	16P : 5.40N MAX. 19P : 6.30N MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / AFTER 20CYCLES)	16P : 0.18N MIN. 19P : 0.21N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2024
TEST REPORT	TR-15076
PACKING STANDARD	PST-15073
INSTRUCTION MANUAL	HIM-16036
APPEARANCE CRITERIA No.	QLS-A***

Rev.5

Custom Connectors Available

 RF Connectors

MHF® series



CABLINA® series



Micro-coaxial/Twinax Connectors



Wire-to-Board Connectors/Terminals

AP series



ISH® series



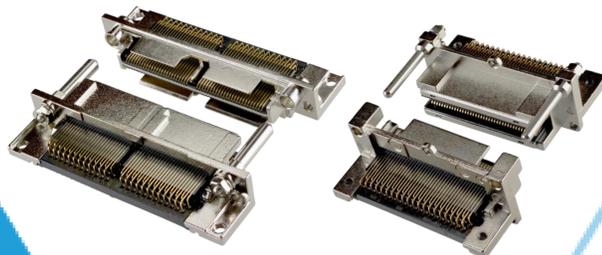
NOVASTACK® series



Board-to-Board Connectors



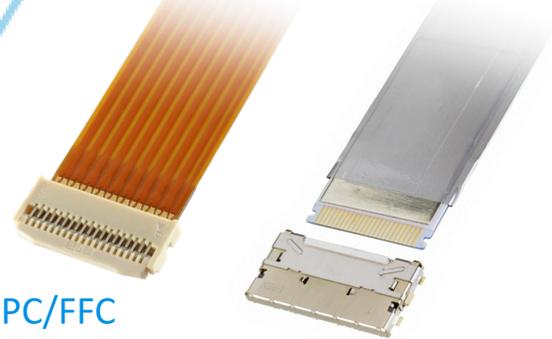
I/O Connectors



MINIDOCK™ series

MINIFLEX® series

EVAFLEX® series



FPC/FFC Connectors



Inquiry



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