

MINIFLEX® 175-ST

超低背 (高度 0.52 mm), 0.175 mm间距,水平插拔,后锁式

Product Specifications:

Board Pitch		0.175 mm
Wiping Length		Contact A: 0.85 mm
		Contact B: 0.40 mm
Size	Height	0.52+/-0.05 mm
	Width	1.915 + (0.175 x pin count) mm
	Depth	Open: 2.65 mm
		Close: 3.0 mm
Pin Counts	Range	7 to 31
	Available	16, 19

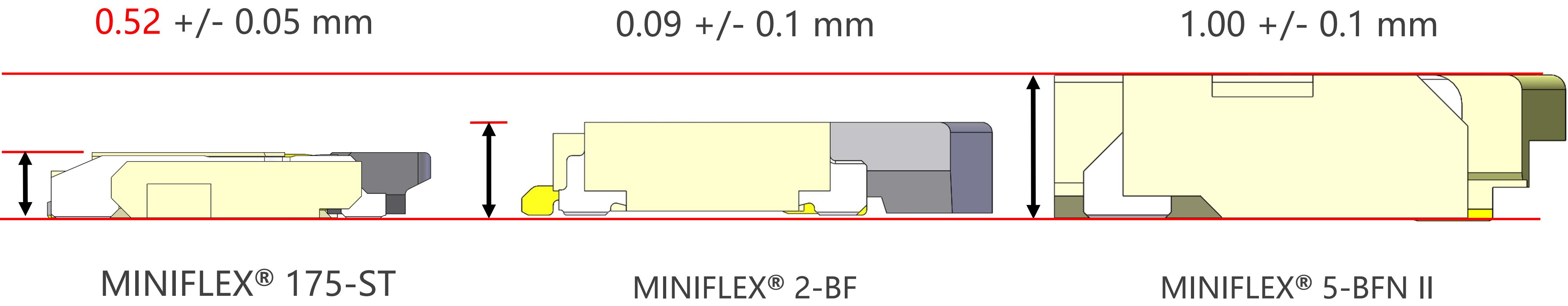
*如您需要了解未列出或不在范围内的Pin数，请咨询我们。

Applicable FPC/FFC:

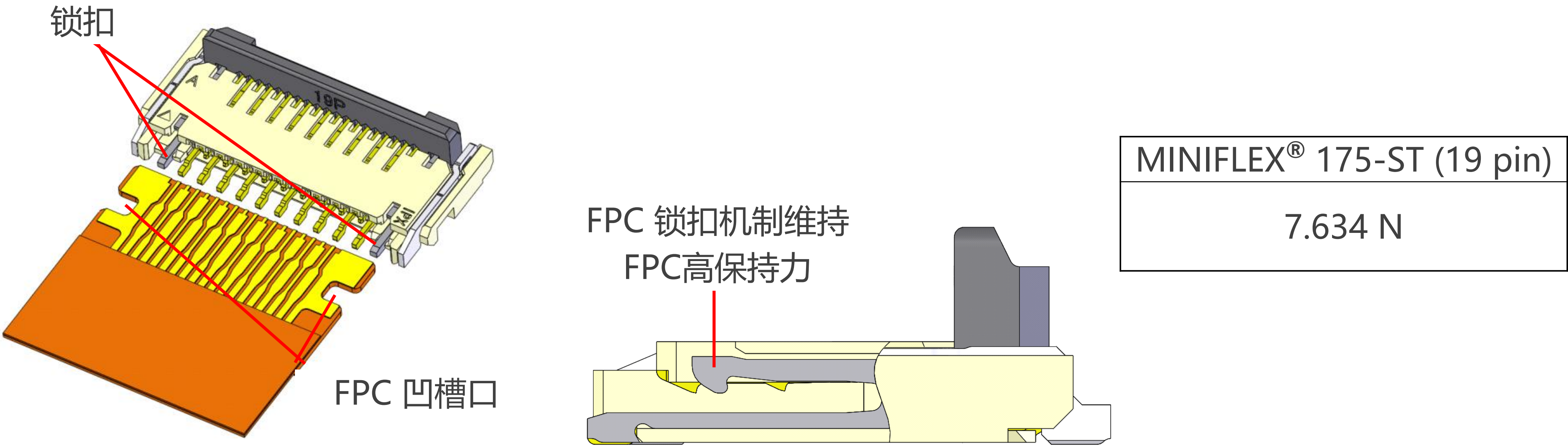
FPC/FFC Contact Pitch	0.175
FPC/FFC Contact Point	Top
FPC/FFC Thickness	0.12 +/- 0.03 mm



超薄型产品，超低高度0.52 mm



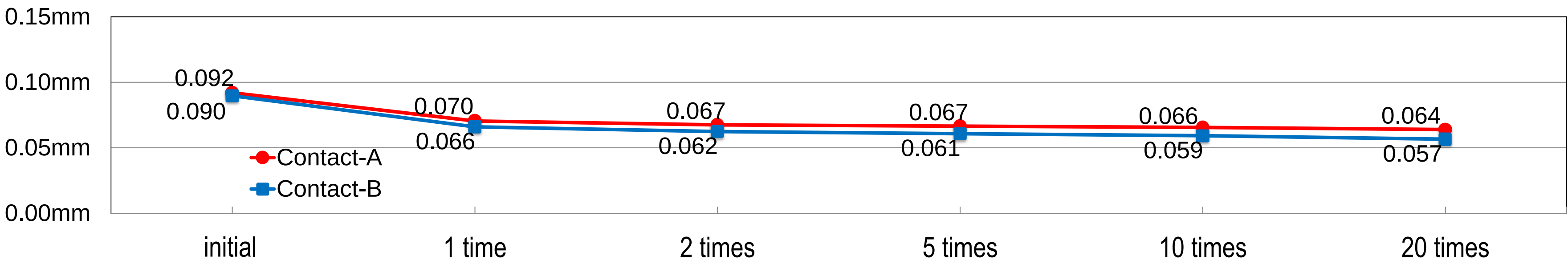
特有机械锁扣提供更大的FPC保持力



在没有插入FPC的情况下闭合钢琴盖，连接器仍可使用

在 SMT 加工后，如果钢琴盖在没有插入 FPC 的情况下意外闭合，连接器仍可使用

■ FPC 未插入情况下闭合钢琴盖，其前后的接点间距离比较如图 (图表为 MINIFLEX® 175-ST 19 pins)



■ FPC插入力上升

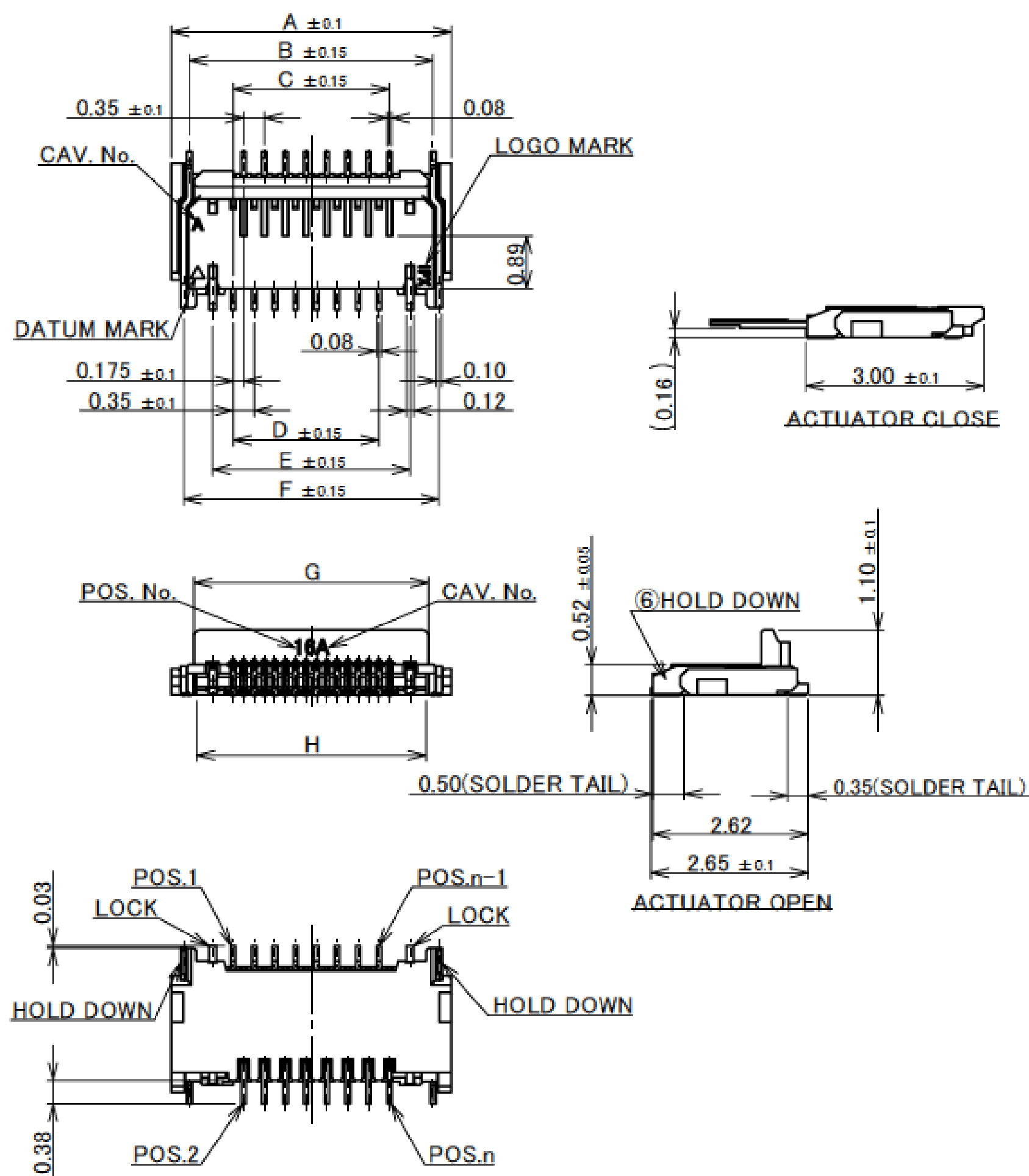
■ FPC保持力无太大变化

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

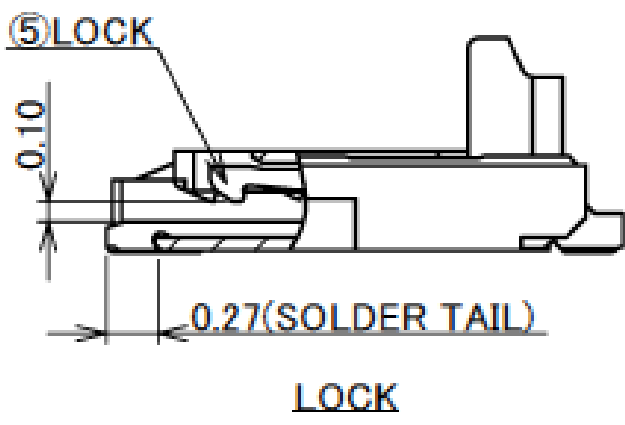
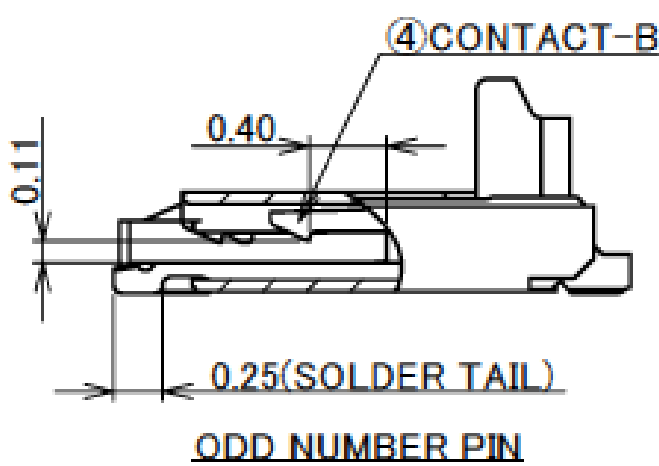
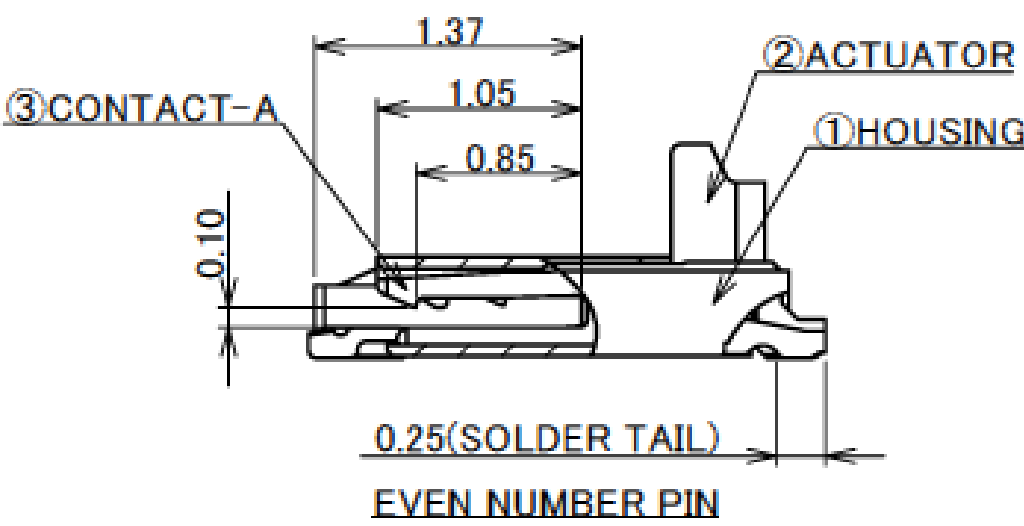
◆ MARK MEANS NOT AVAILABLE



P/N : 20622- 0 ** E- 0 #

1 : HOUSING COLOR : BLACK
2 : HOUSING COLOR : BEIGE

POS.



NOTES.
1. CONTACT POINT: ONLY TOP CONTACT

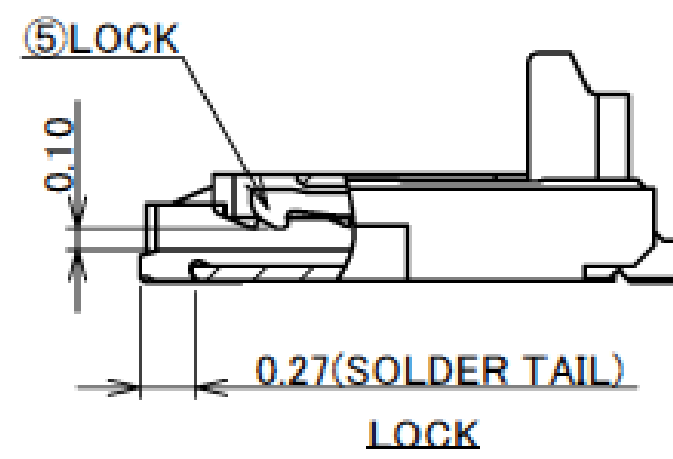
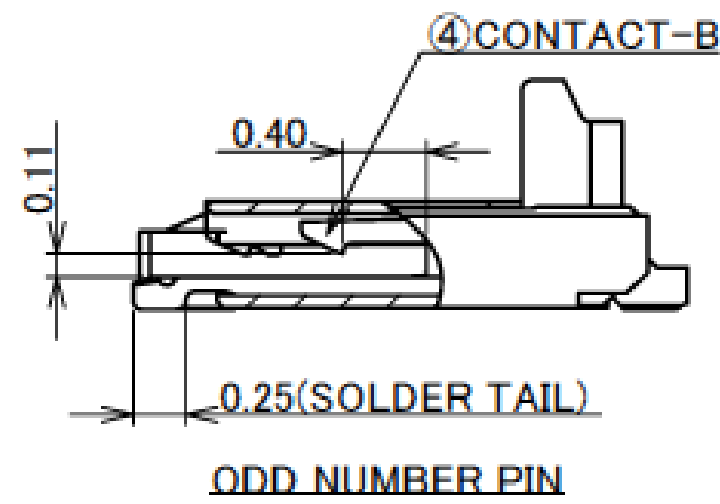
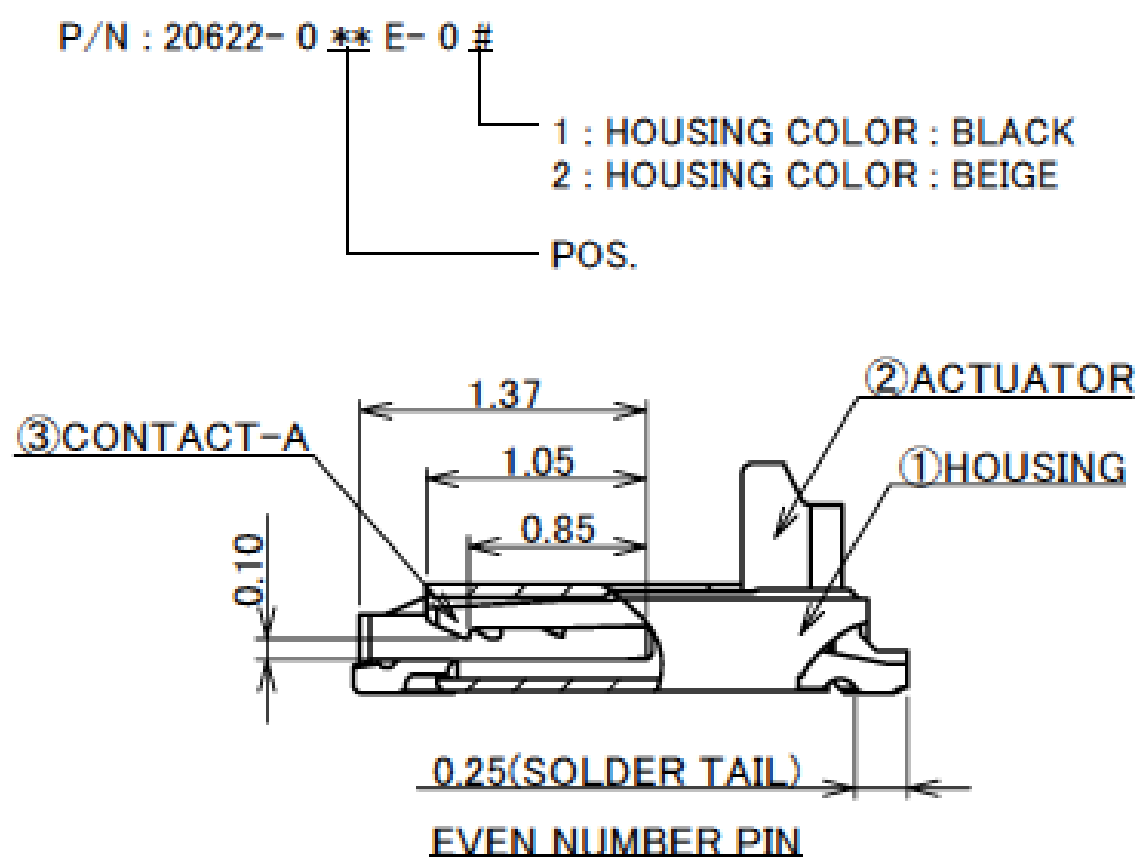
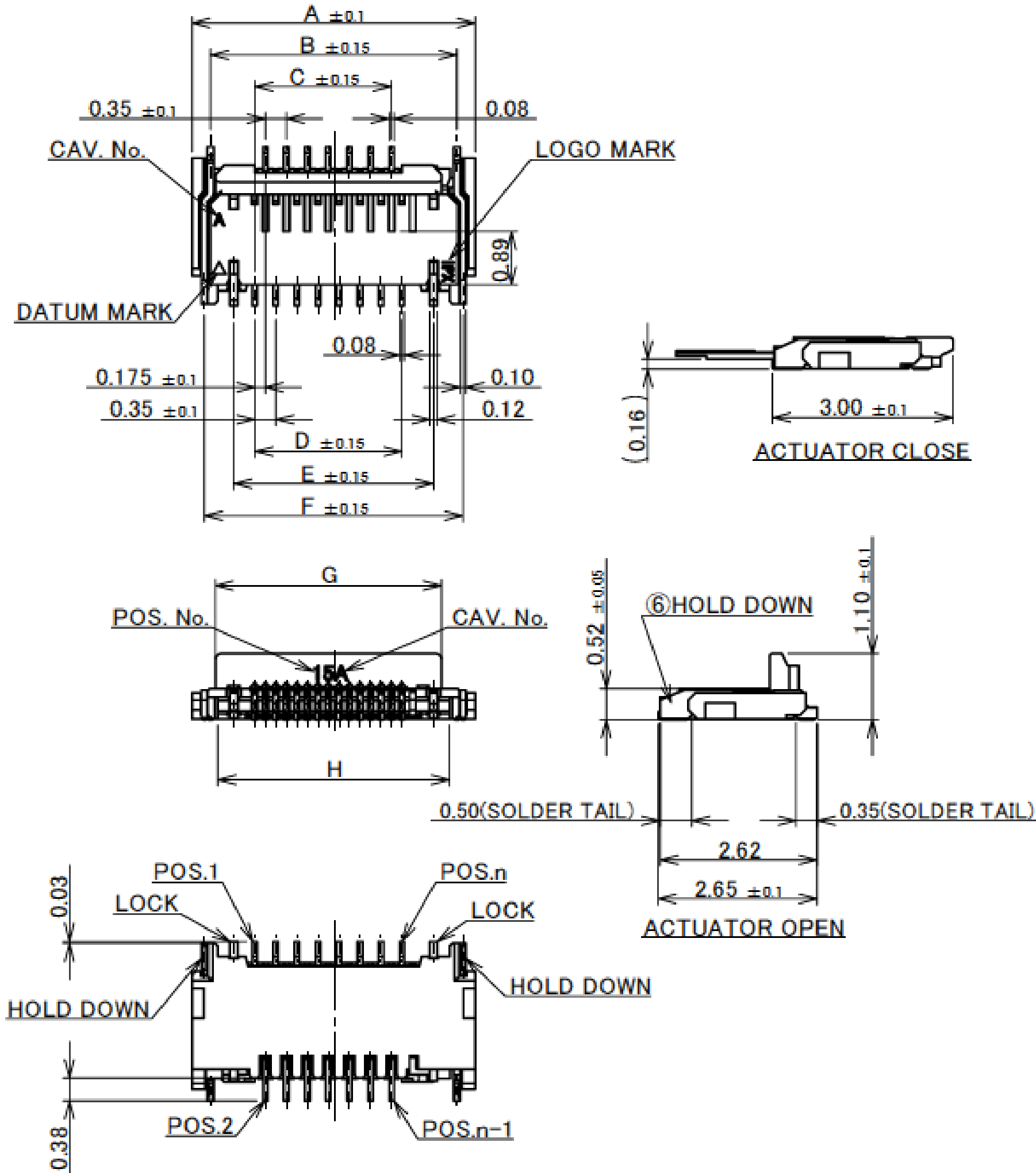
EVEN NUMBER POSITION

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

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



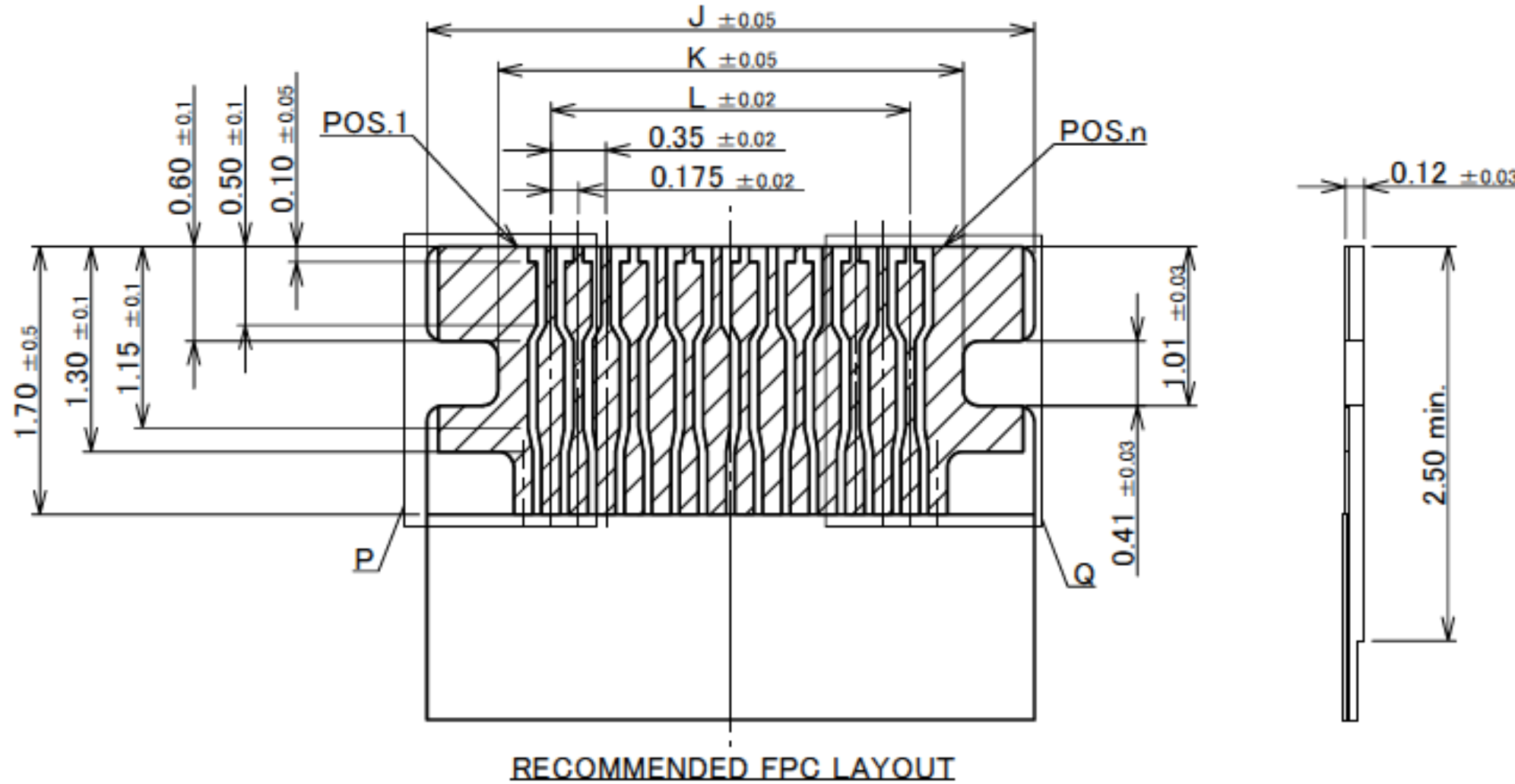
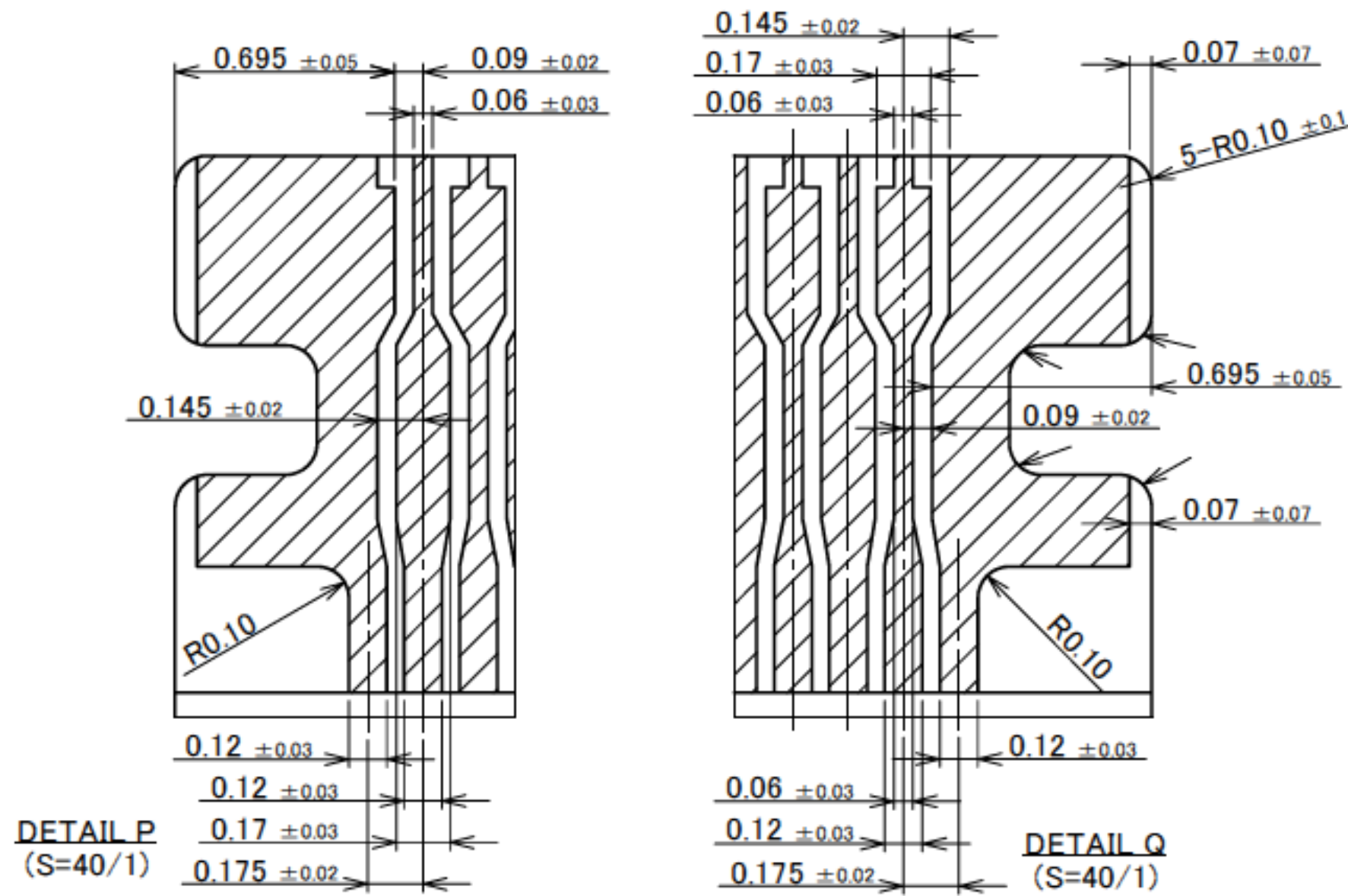
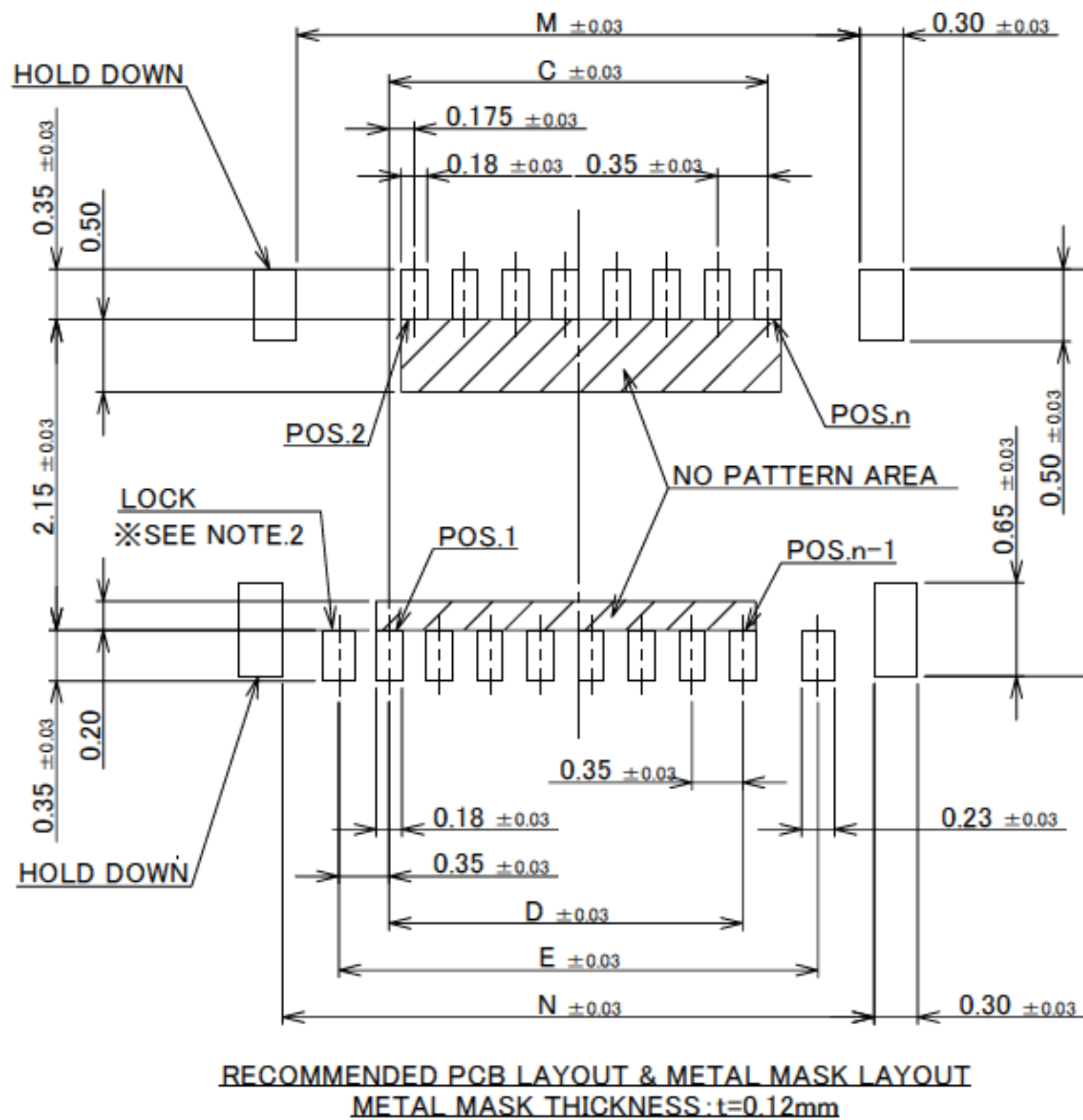
NOTES.
1. CONTACT POINT: ONLY TOP CONTACT

ODD NUMBER POSITION

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

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

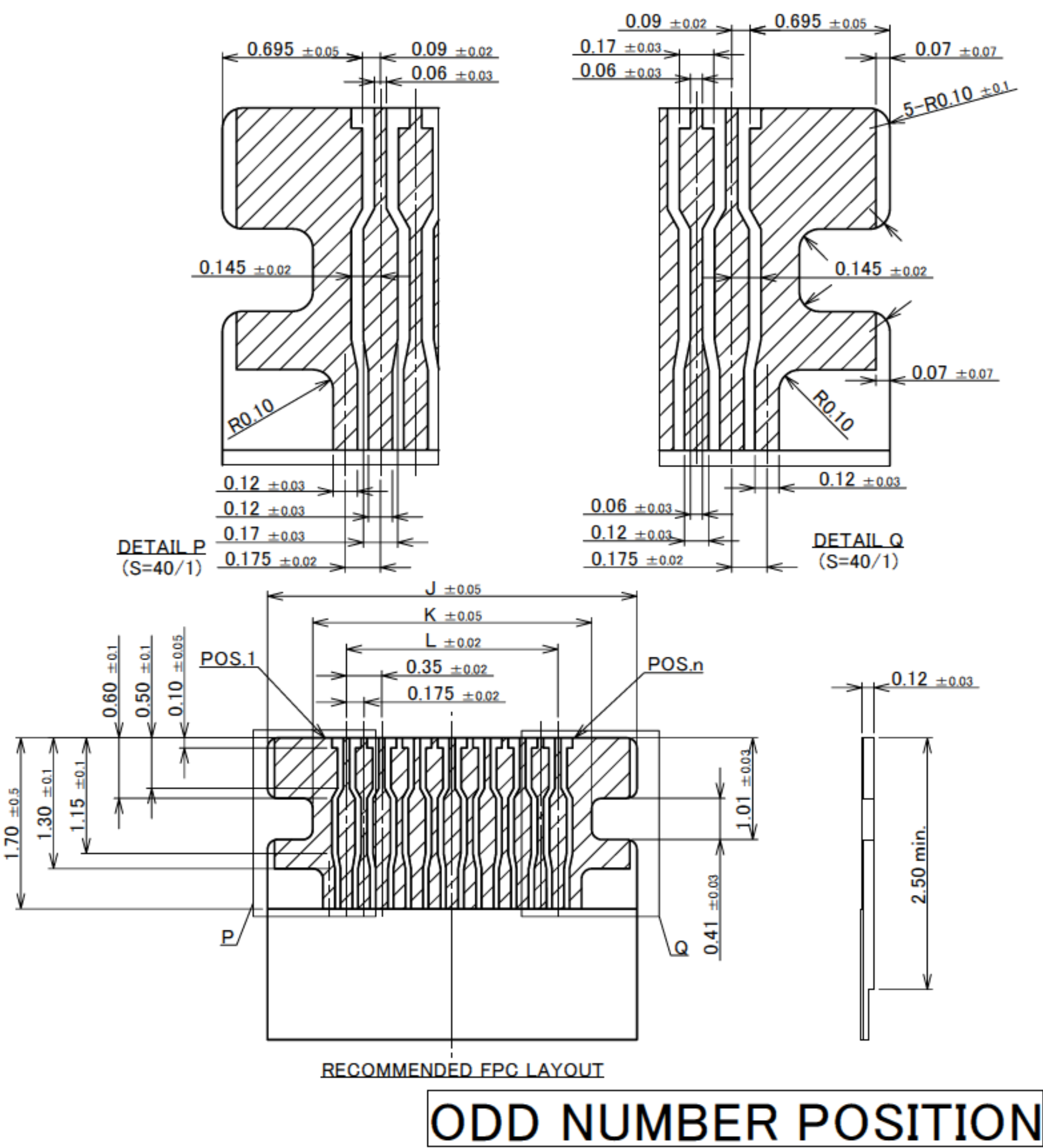
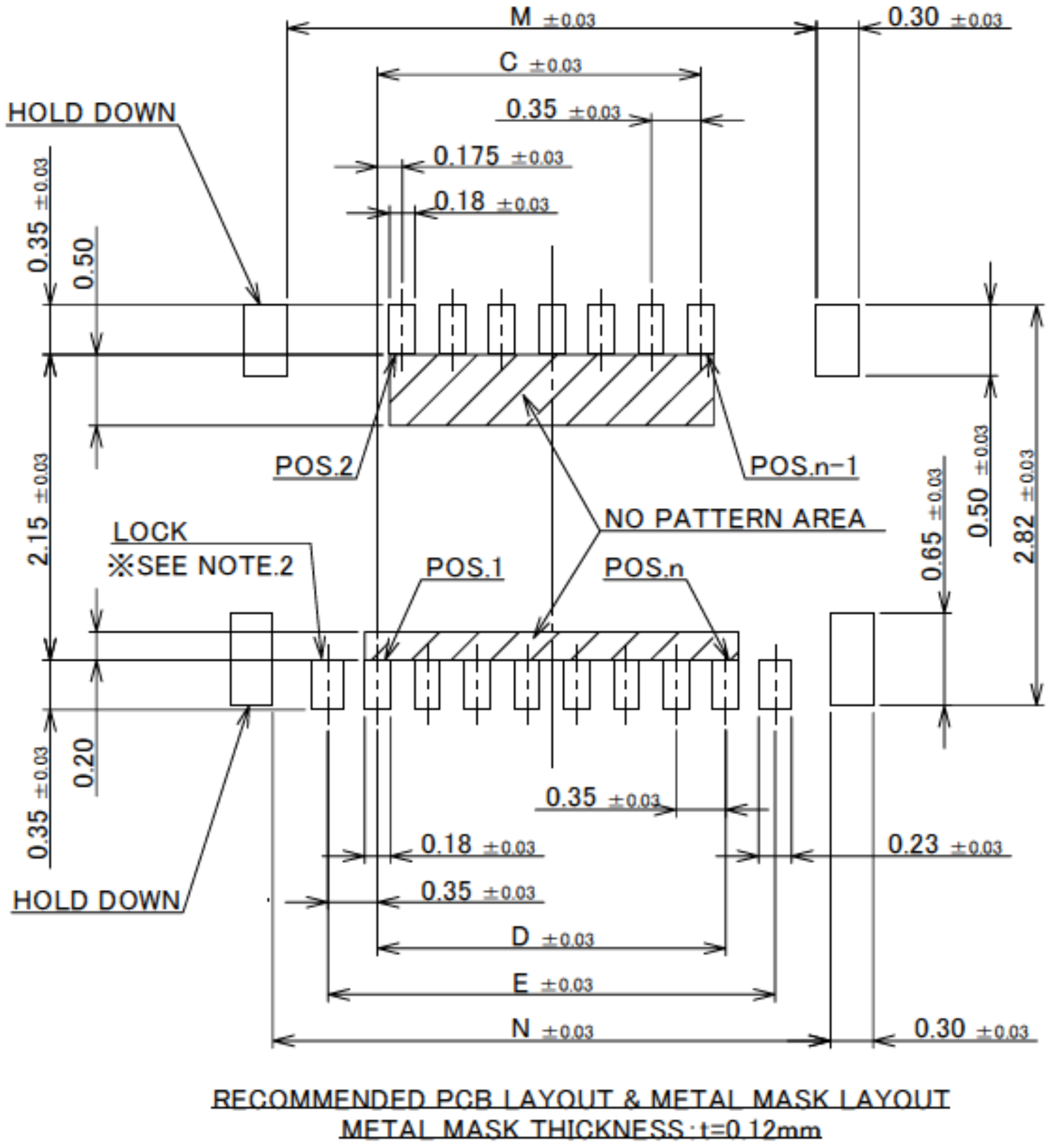


EVEN NUMBER POSITION

Connector Assembly

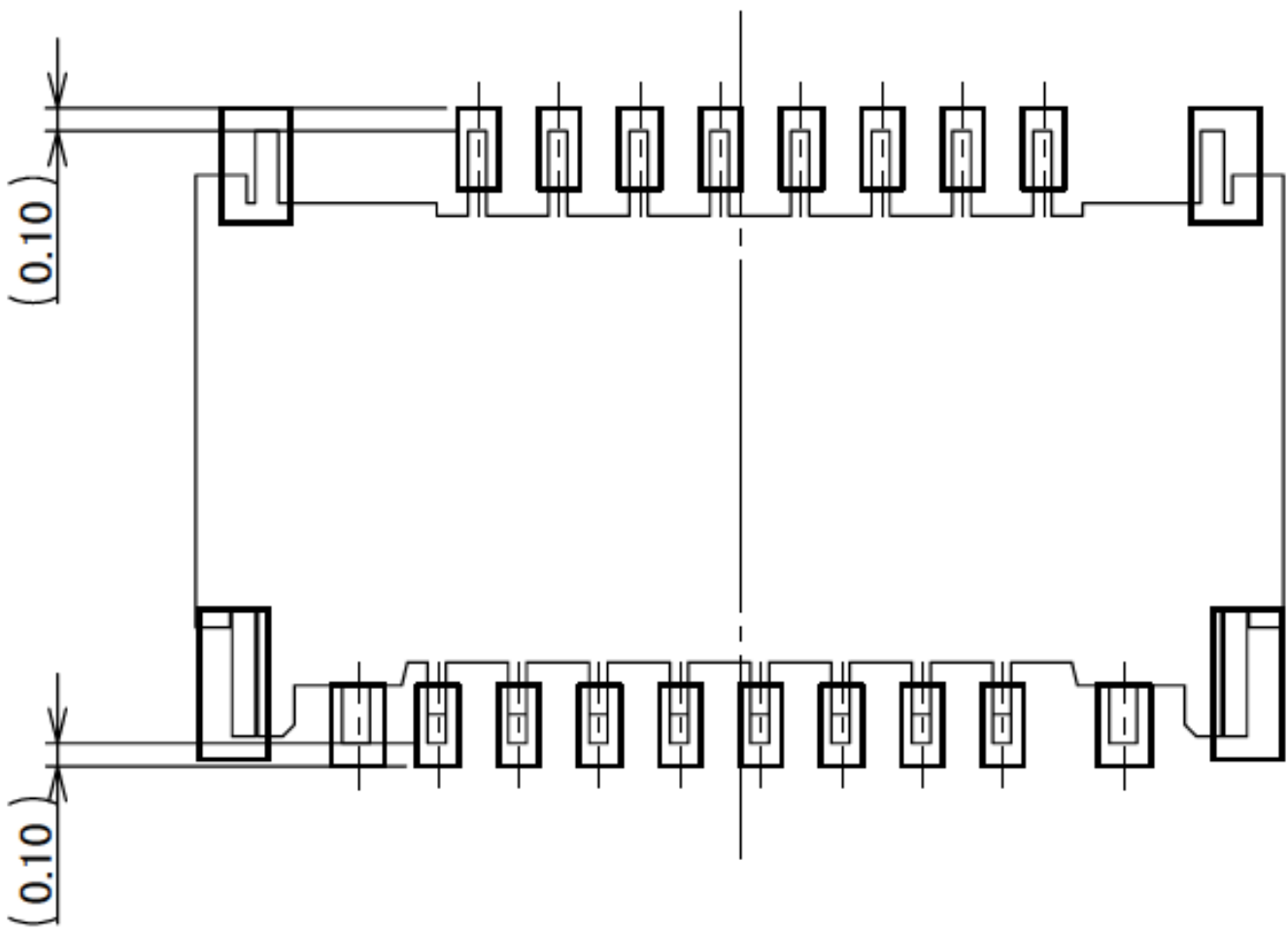
PART NO.	Pos.	C	D	E	J	K	L	M	N
◆20622-007E-0#	7	0.875	1.050	1.750	2.270	1.370	0.700	2.325	2.525
◆20622-009E-0#	9	1.225	1.400	2.100	2.620	1.720	1.050	2.675	2.875
◆20622-011E-0#	11	1.575	1.750	2.450	2.970	2.070	1.400	3.025	3.225
◆20622-013E-0#	13	1.925	2.100	2.800	3.320	2.420	1.750	3.375	3.575
◆20622-015E-0#	15	2.275	2.450	3.150	3.670	2.770	2.100	3.725	3.925
◆20622-017E-0#	17	2.625	2.800	3.500	4.020	3.120	2.450	4.075	4.275
◆20622-019E-0#	19	2.975	3.150	3.850	4.370	3.470	2.800	4.425	4.625
◆20622-021E-0#	21	3.325	3.500	4.200	4.720	3.820	3.150	4.775	4.975
◆20622-023E-0#	23	3.675	3.850	4.550	5.070	4.170	3.500	5.125	5.325
◆20622-025E-0#	25	4.025	4.200	4.900	5.420	4.520	3.850	5.475	5.675
◆20622-027E-0#	27	4.375	4.550	5.250	5.770	4.870	4.200	5.825	6.025
◆20622-029E-0#	29	4.725	4.900	5.600	6.120	5.220	4.550	6.175	6.375
◆20622-031E-0#	31	5.075	5.250	5.950	6.470	5.570	4.900	6.525	6.725

◆MARK MEANS NOT AVAILABLE

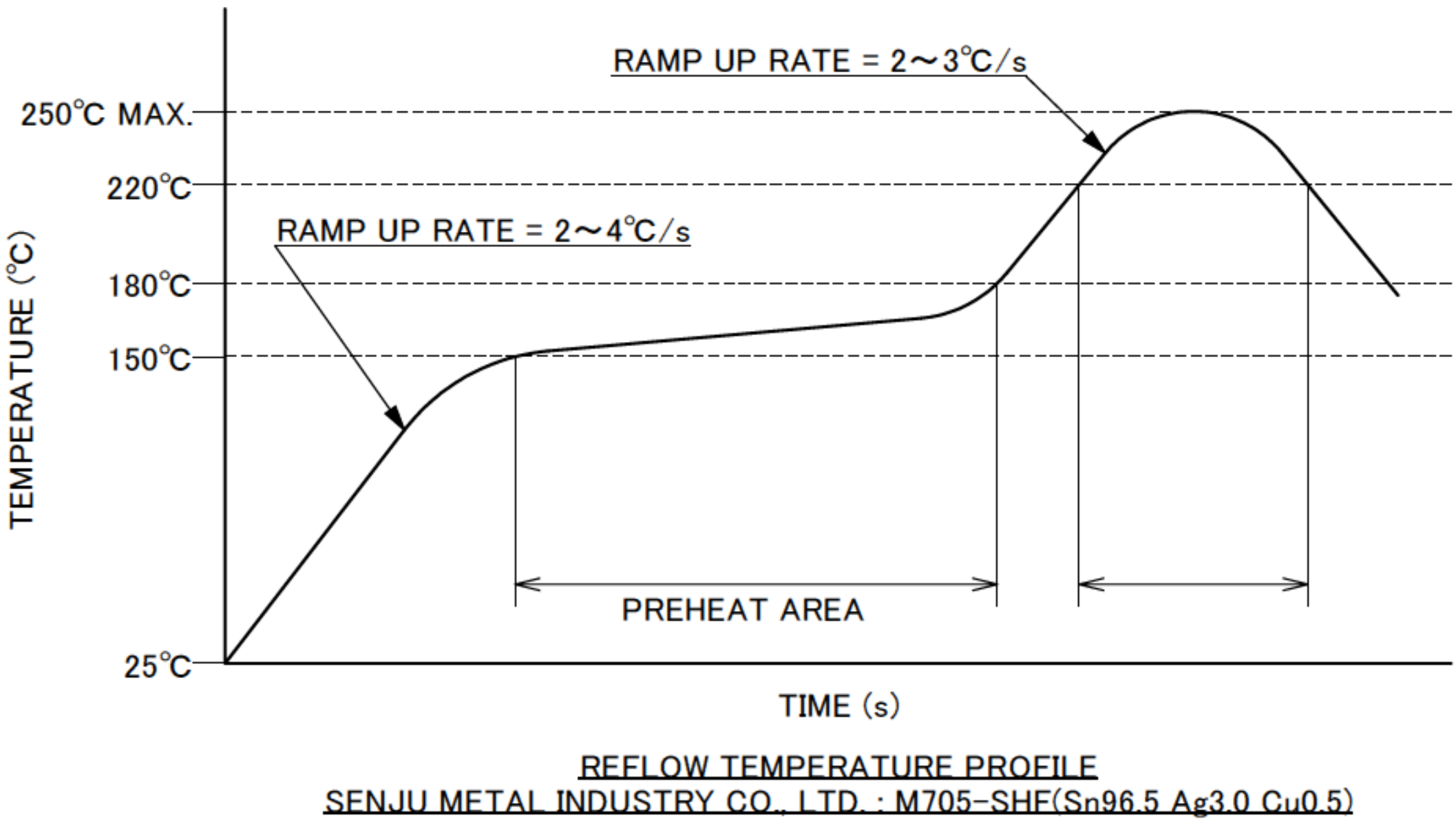


Rev.5

Plug Housing Assembly



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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***

Custom Connectors Available

RF Connectors

MHF® series



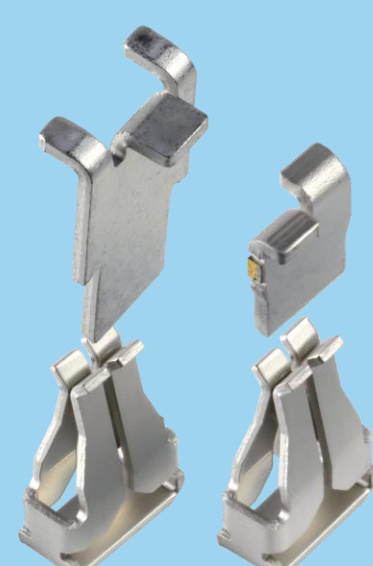
CABLINE® series

Micro-Coaxial/Twinaxial Connectors

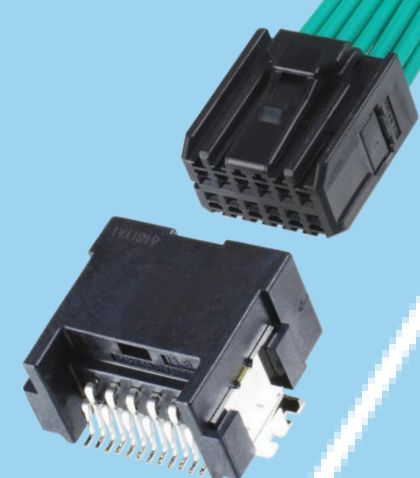


Wire-to-Board Connectors/ Terminals

AP series



ISH® series



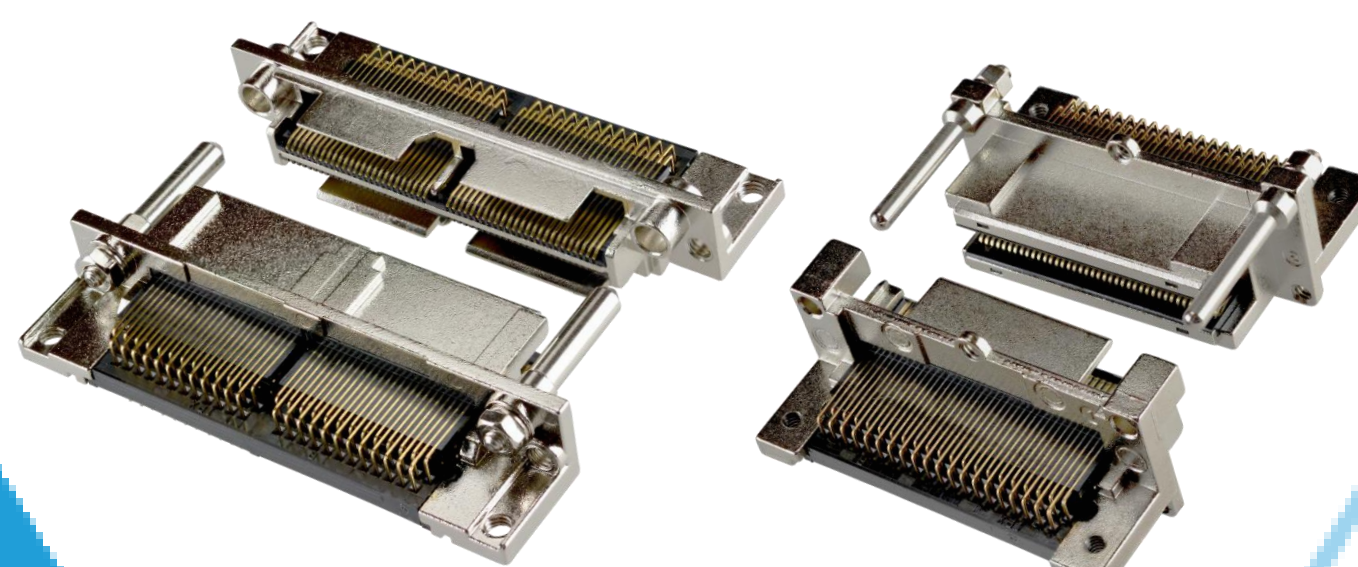
NOVASTACK® series



Board-to-Board Connectors

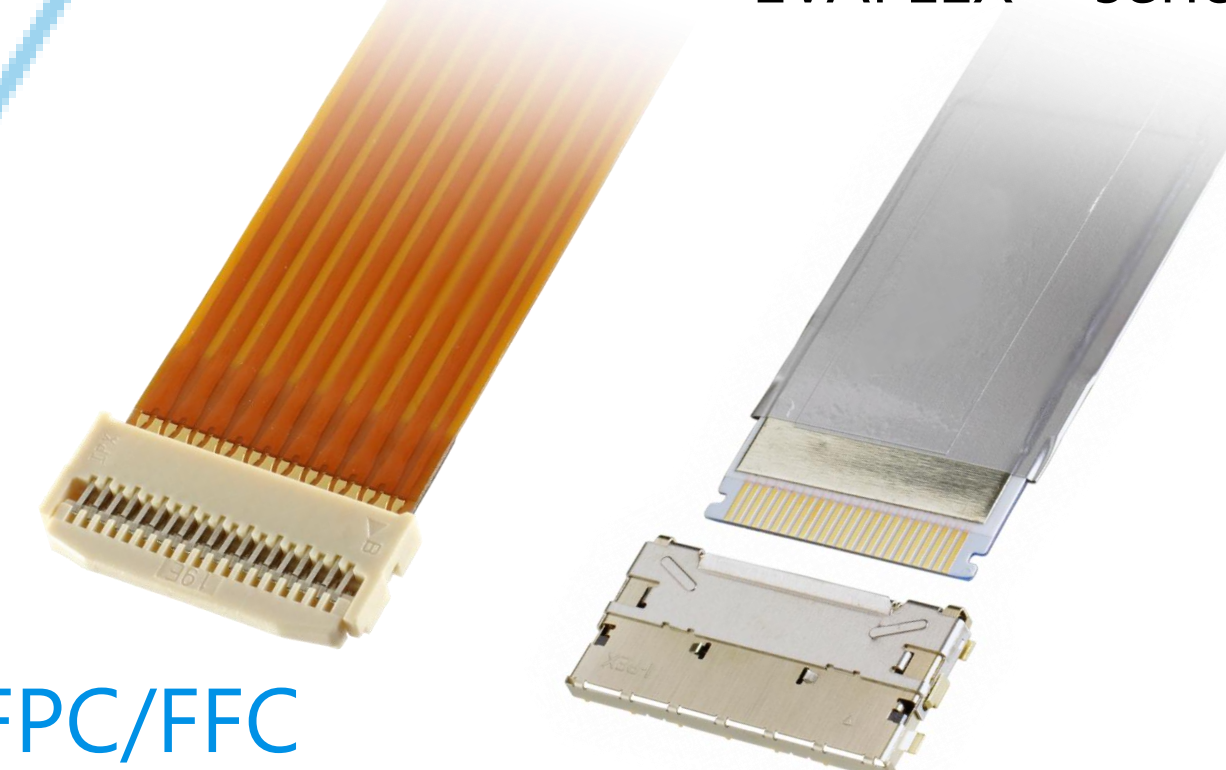


I/O Connectors



MINIDOCK™ series

MINIFLEX® series EVAFLEX® series



FPC/FFC Connectors



Inquiry



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