

MINIFLEX® 175-ST

超低背（高さ = 0,52 mm）、0.175 mm pitch、水平嵌合、バックフリップ

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

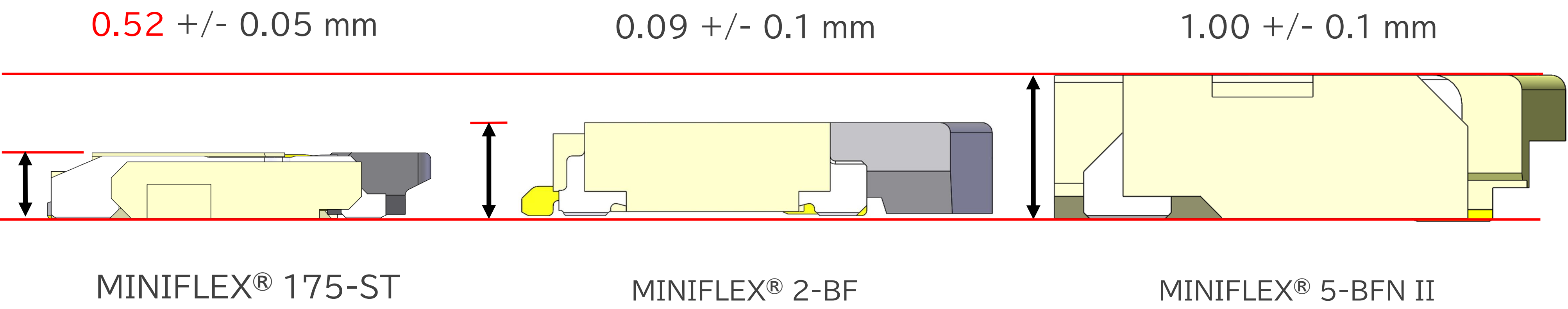
*記載のない極数の対応状況についてはお問い合わせください。

Applicable FPC/FFC:

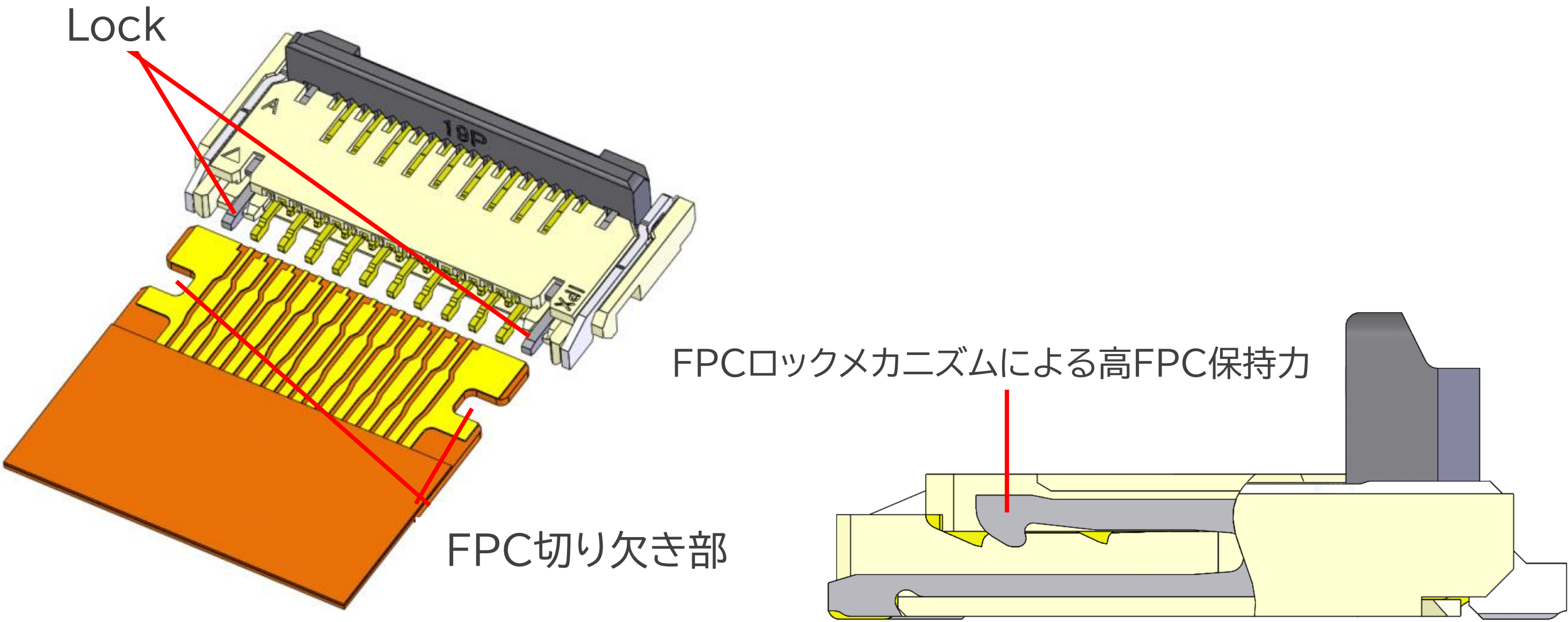
FPC/FFC Contact Pitch	0.175
FPC/FFC Contact Point	Top
FPC/FFC Thickness (mm)	0.12 +/- 0.03



▶ 超低背0.52 mm



▶ メカニカルロックによる高FPC保持力

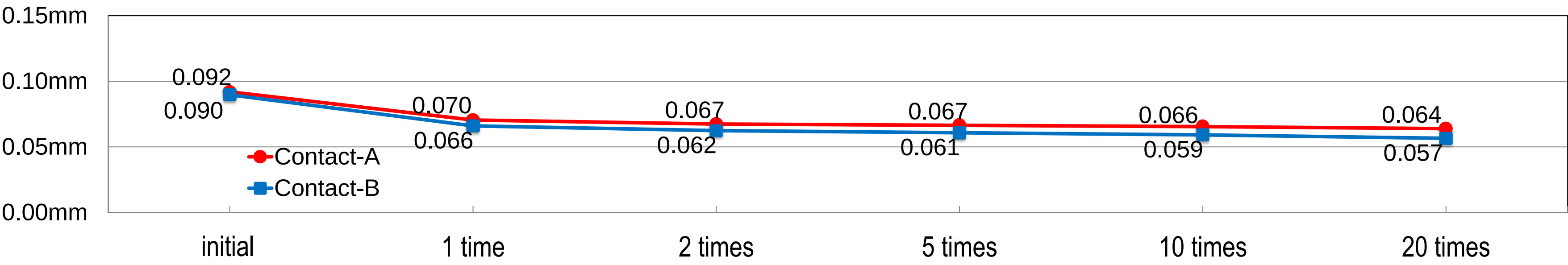


MINIFLEX® 175-ST (19 p)
7.634 N

▶ FPC未挿入状態でのアクチュエータ空閉じ操作

SMTプロセス後に、もしもFPC未挿入状態でアクチュエータを操作してしまった場合でも十分にコネクタとして機能します

- FPC未挿入状態でのアクチュエータ空閉じ操作前後のコンタクト接点間寸法(表図 MINIFLEX® 175-ST 19 pins)



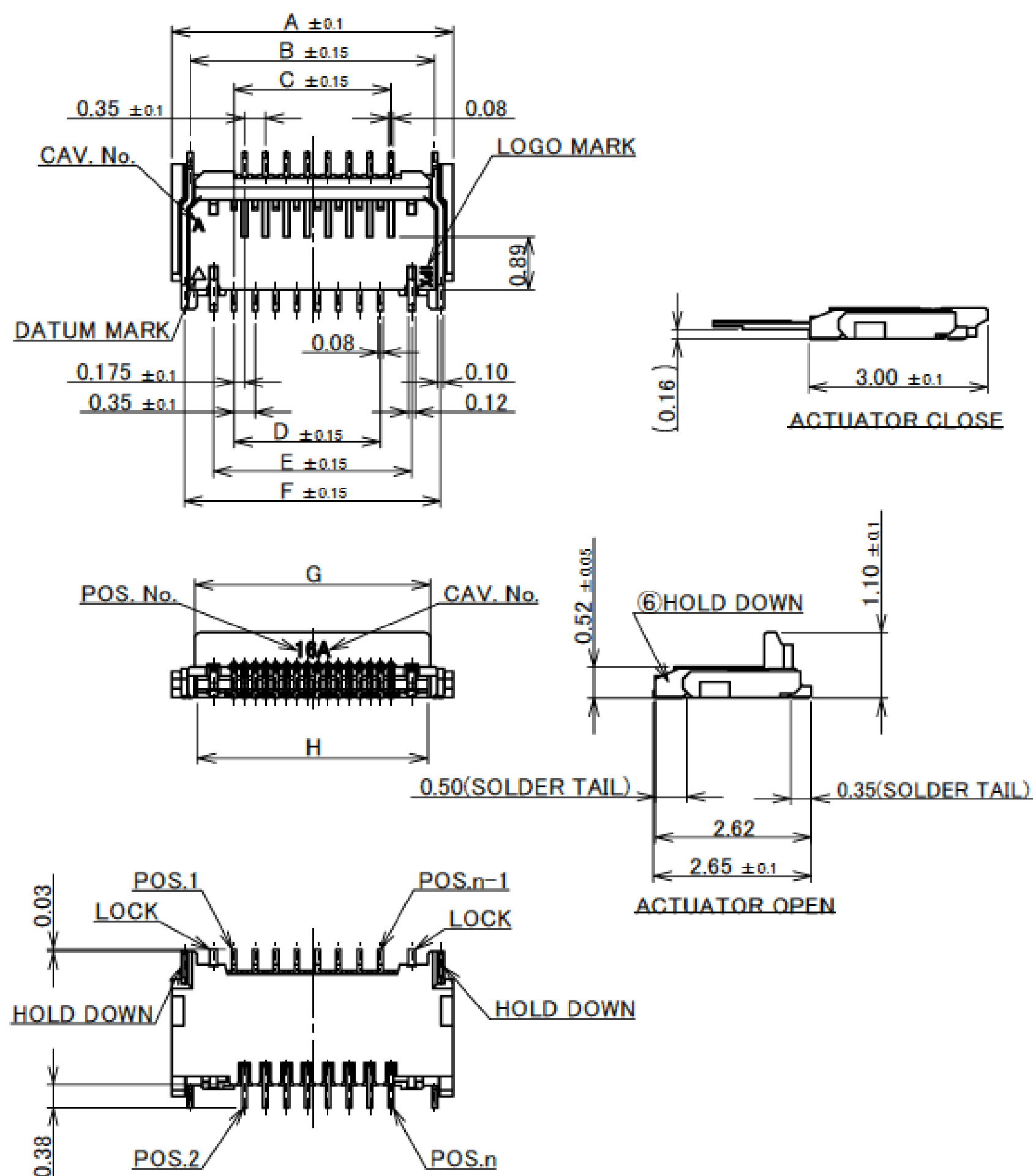
- FPC挿入力は上昇します
- FPC保持力に大きな変化はありません

Component Parts Details

Connector Assembly

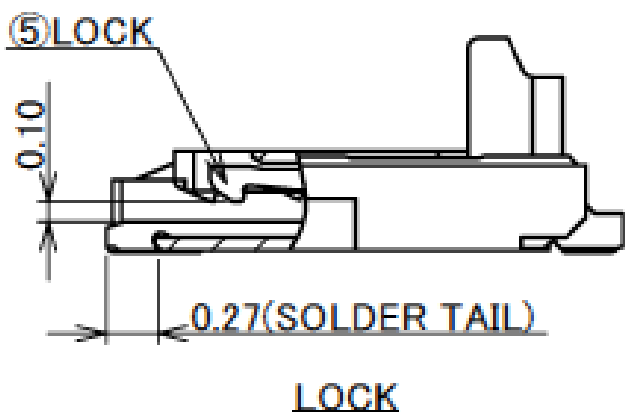
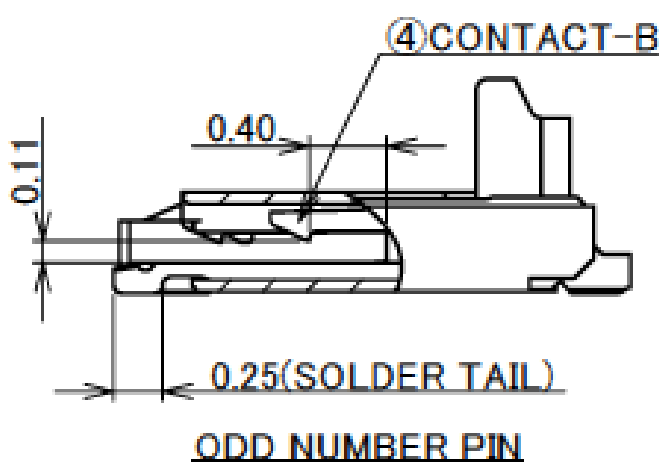
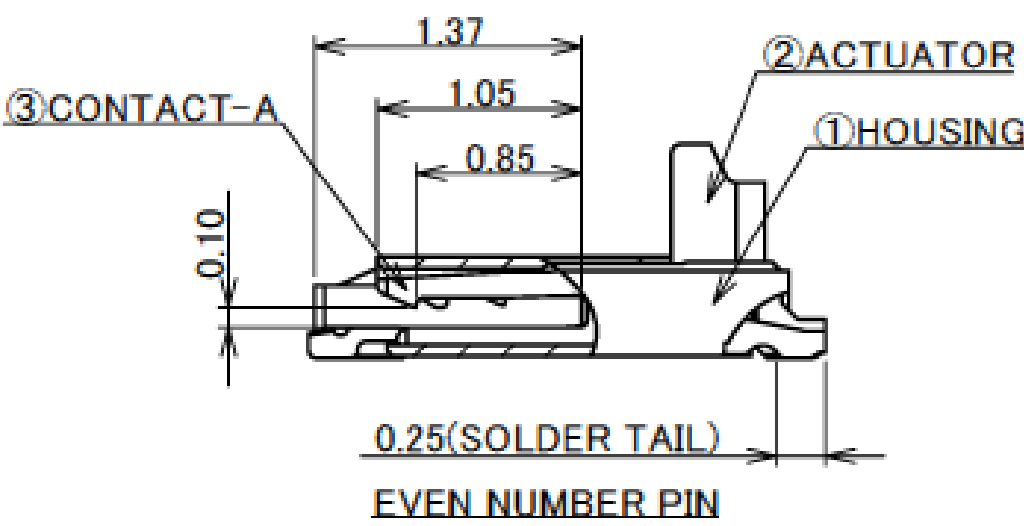
Recommended P/N		20622-0**E-02							
PART NO.	Pos.	A	B	C	D	E	F	G	H
◆20622-008E-0#	8	3.315	2.700	1.225	1.050	1.925	2.900	2.540	2.480
◆20622-010E-0#	10	3.665	3.050	1.575	1.400	2.275	3.250	2.890	2.810
◆20622-012E-0#	12	4.015	3.400	1.925	1.750	2.625	3.600	3.240	3.160
◆20622-014E-0#	14	4.365	3.750	2.275	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

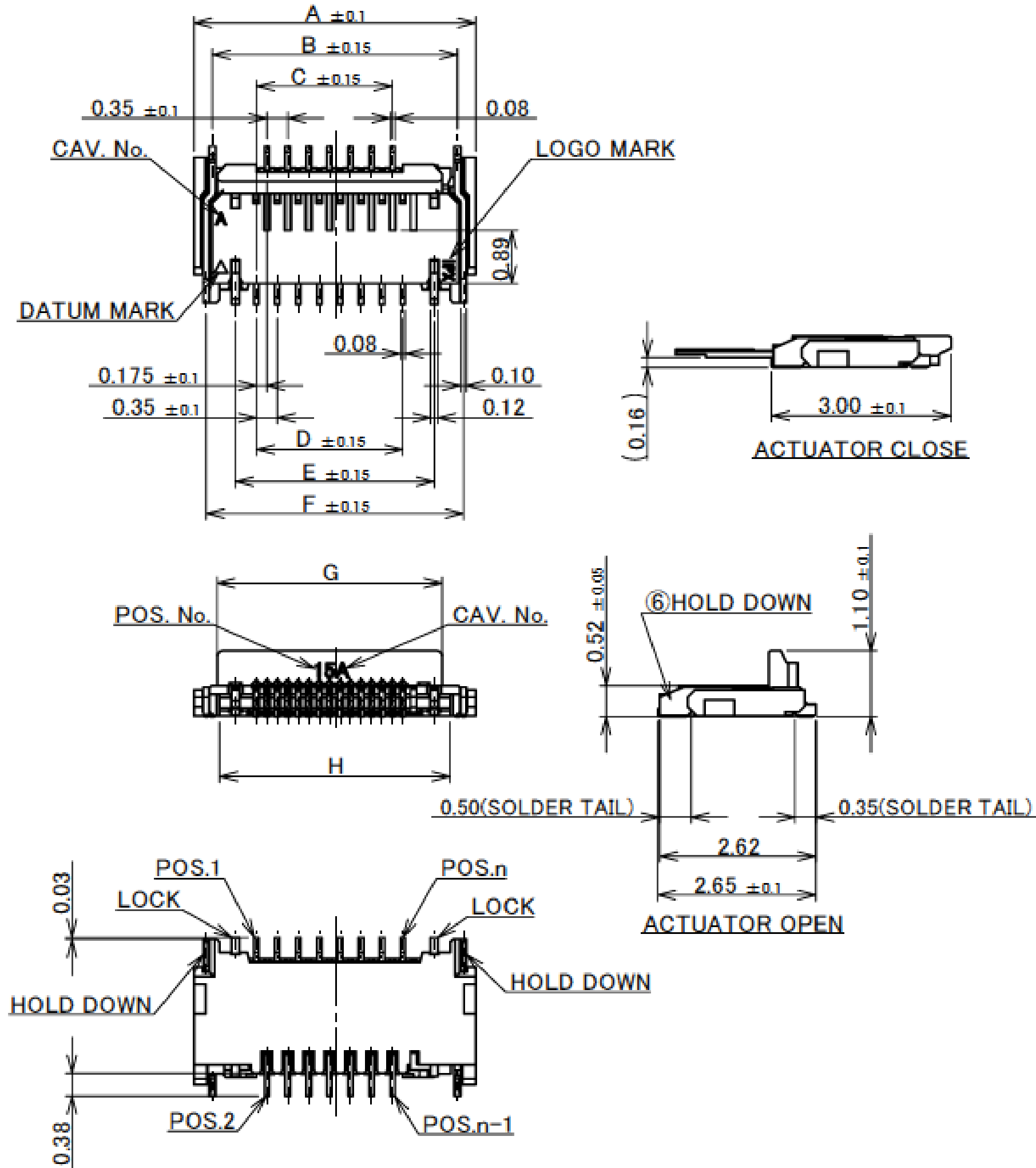
EVEN NUMBER POSITION

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

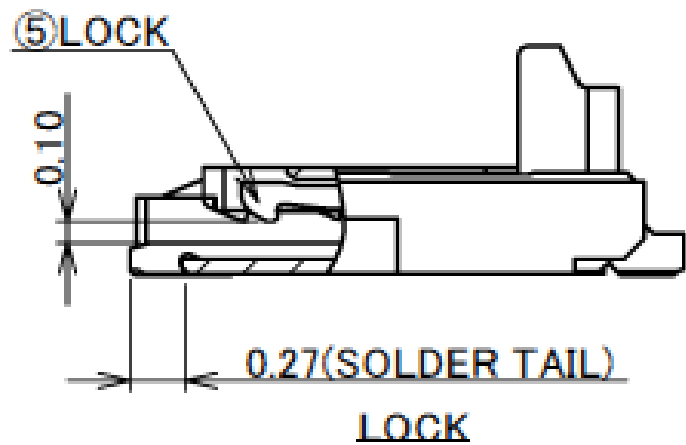
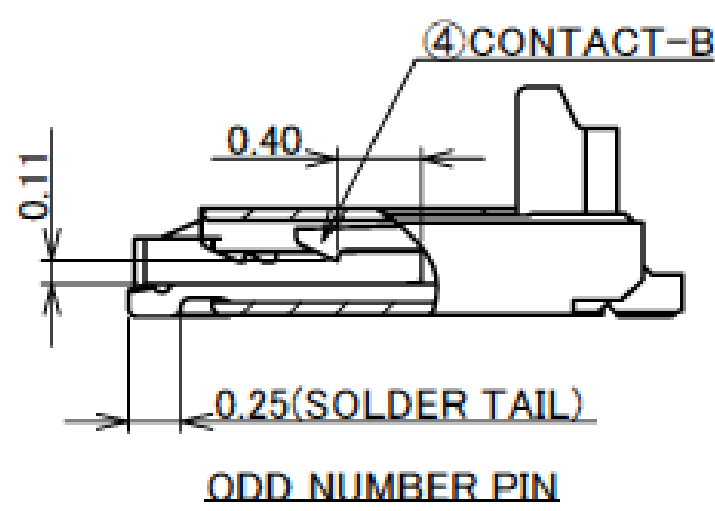
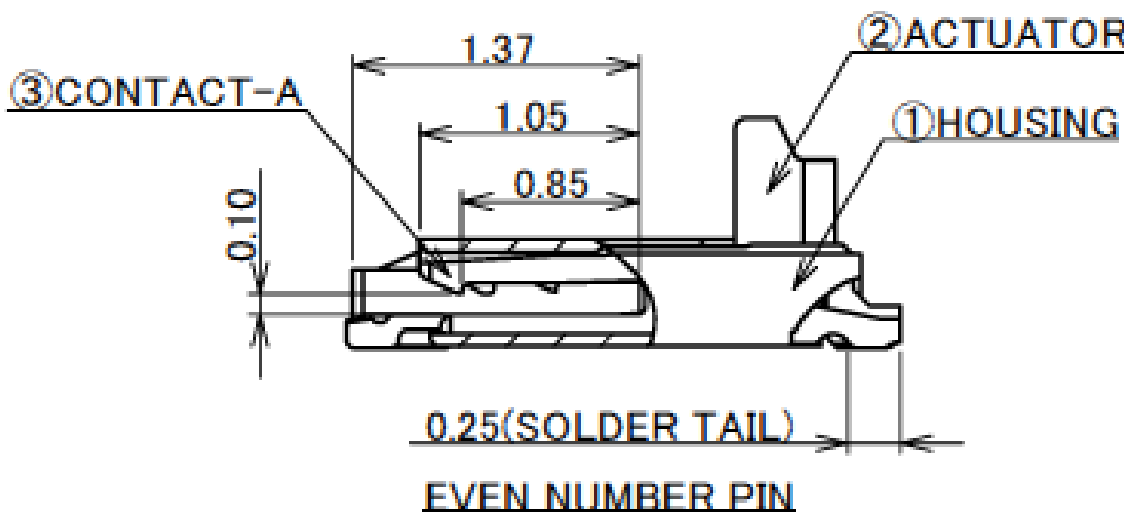
◆MARK MEANS NOT AVAILABLE



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

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

POS.



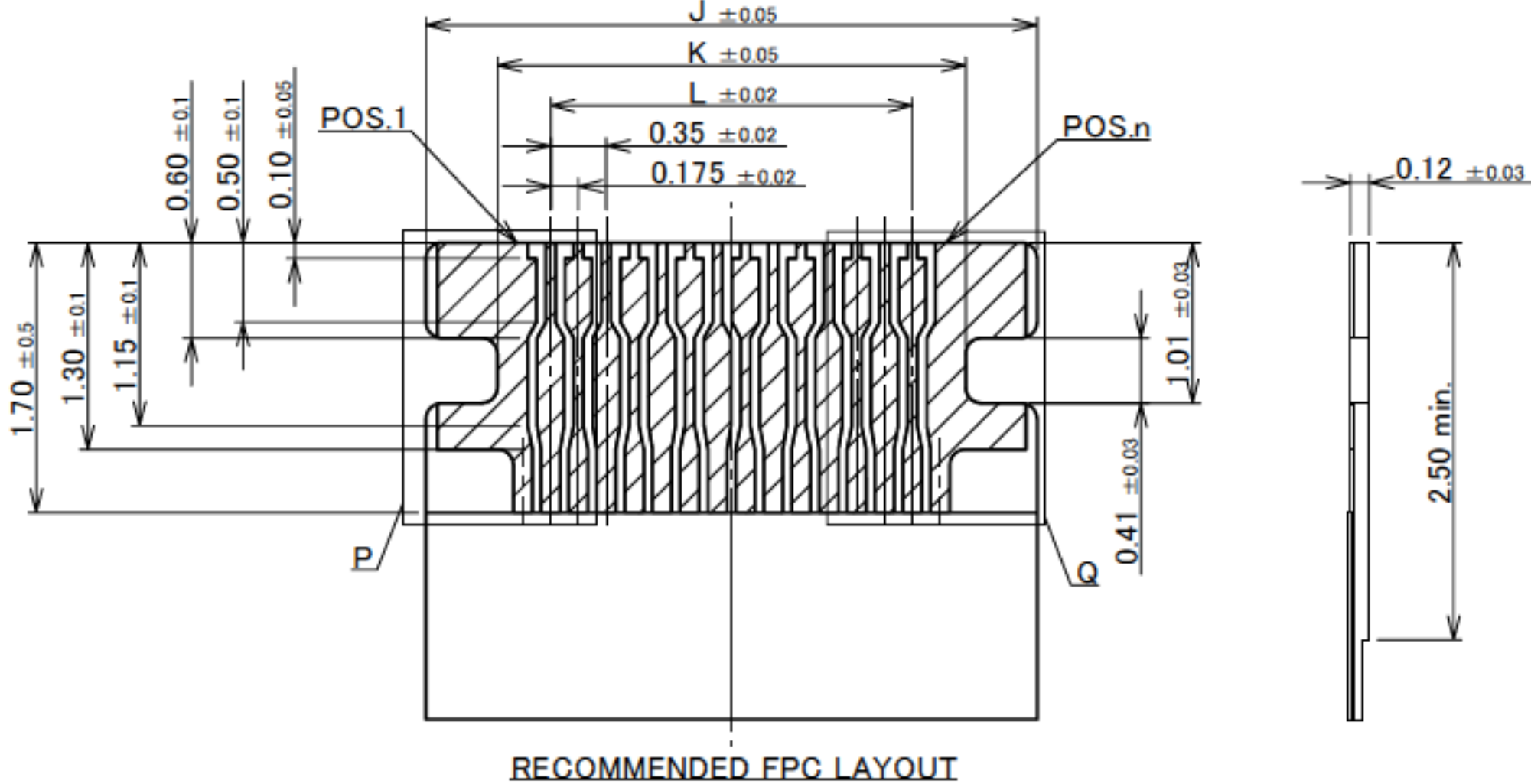
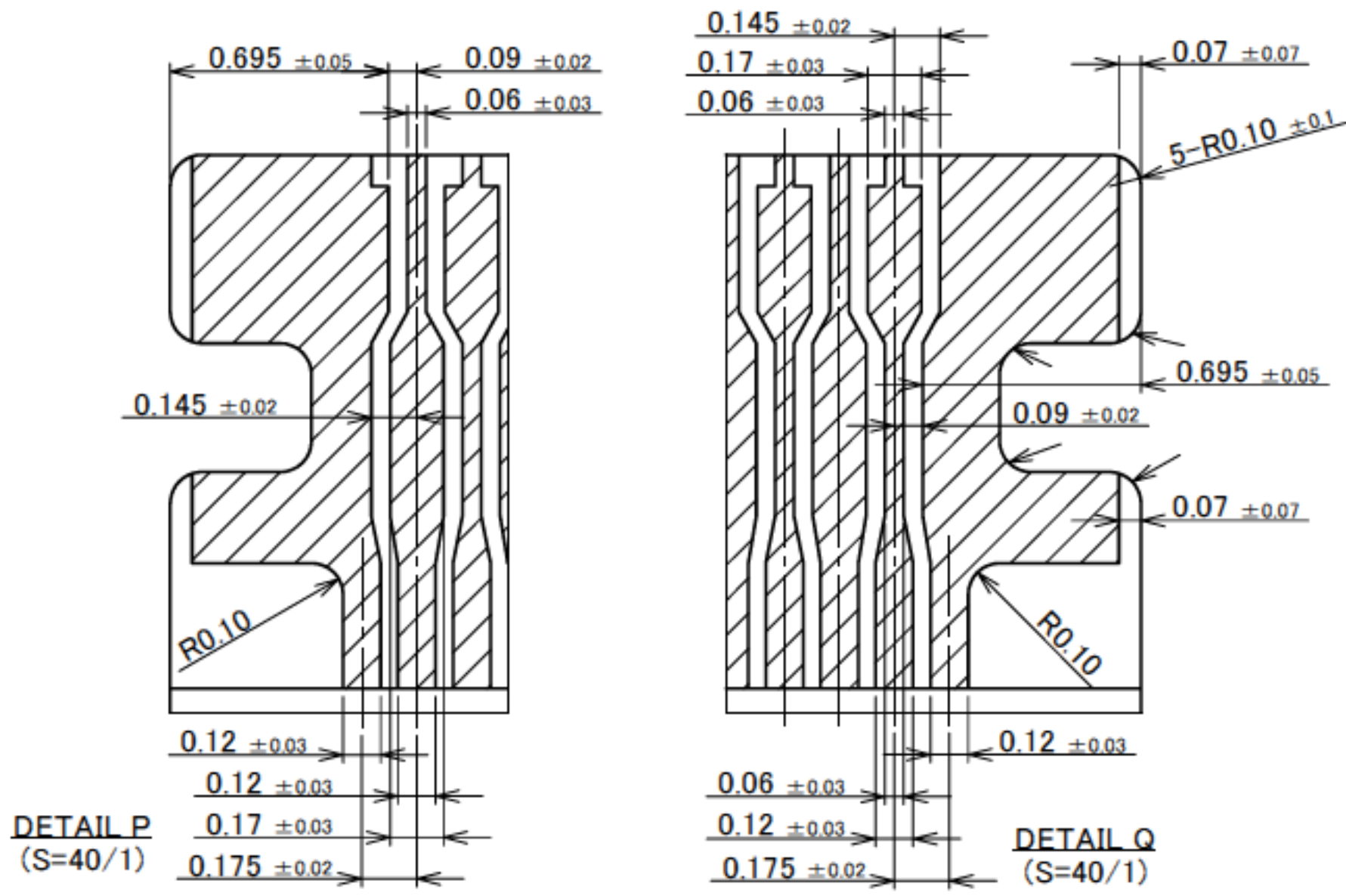
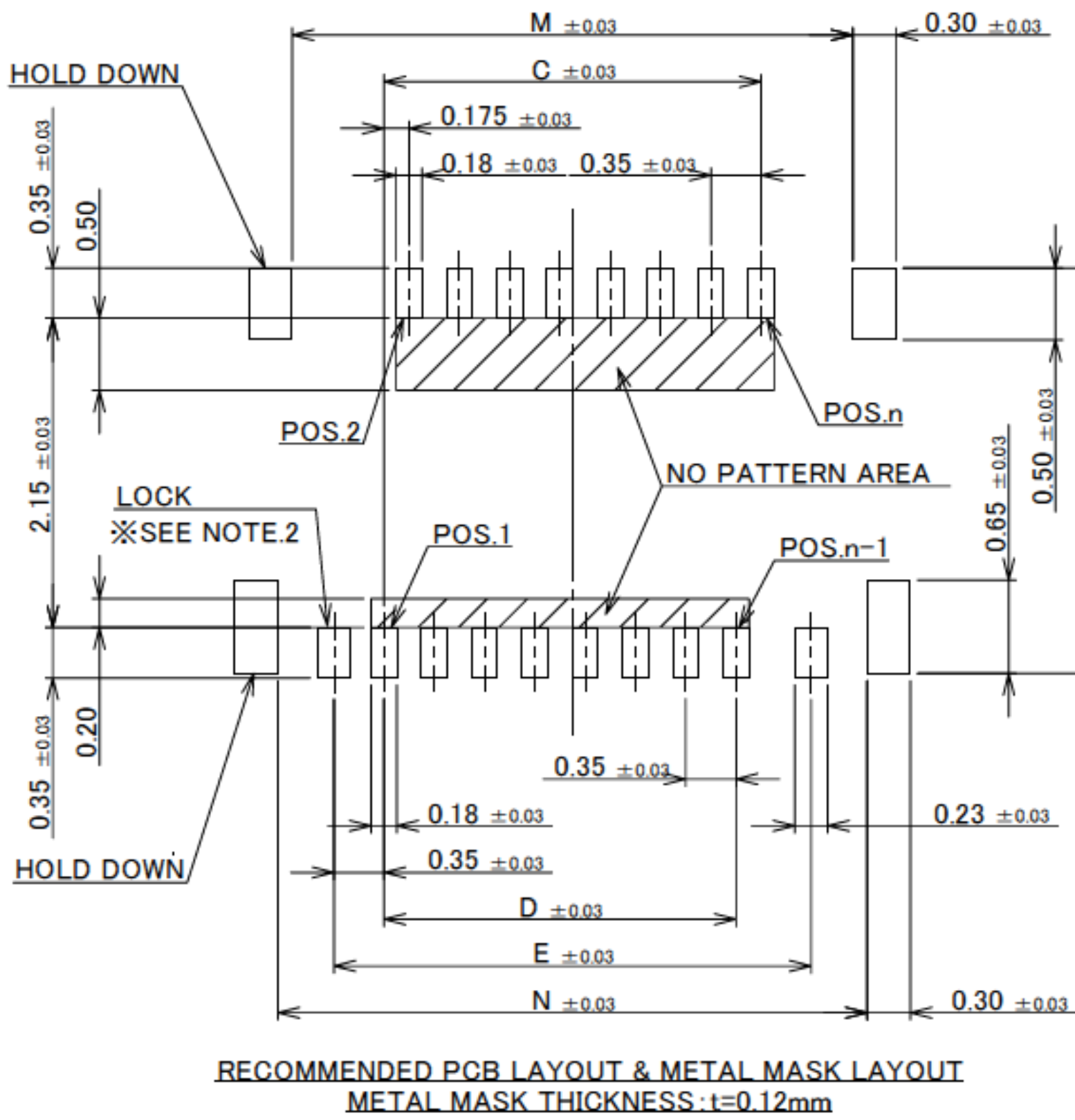
NOTES.
1. CONTACT POINT: ONLY TOP CONTACT

ODD NUMBER POSITION

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

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

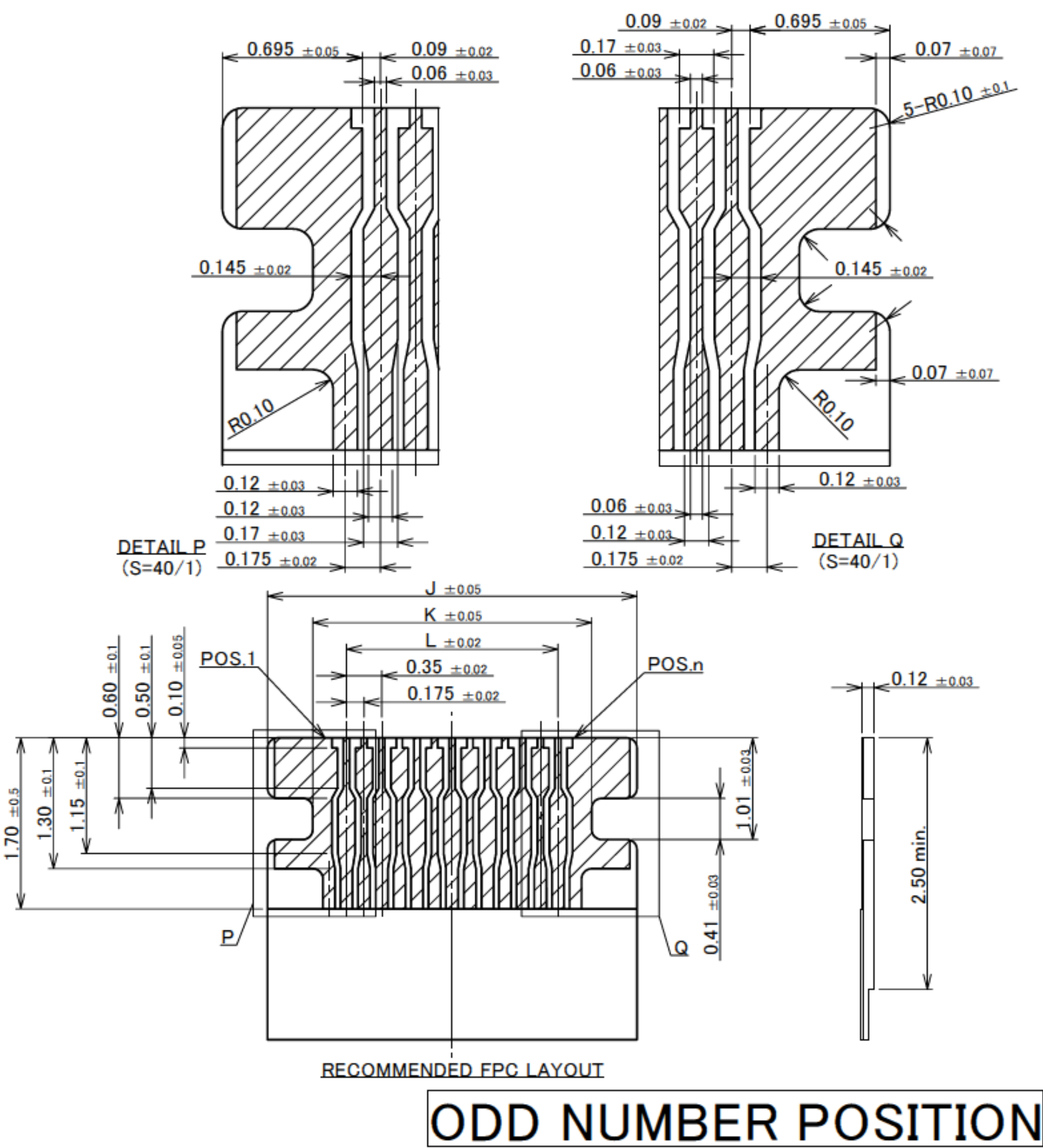
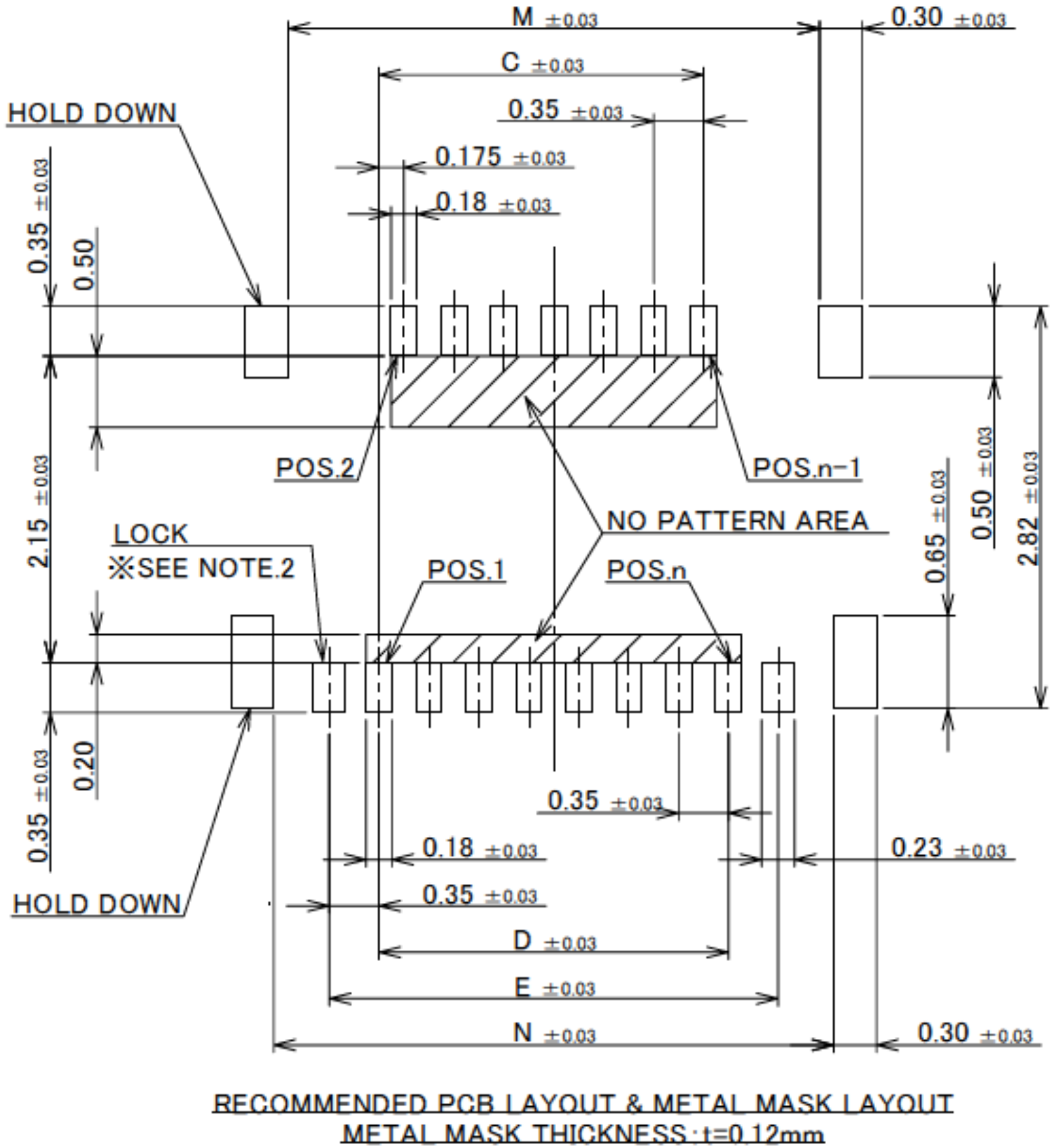
Rev.5

Rev.5

Connector Assembly

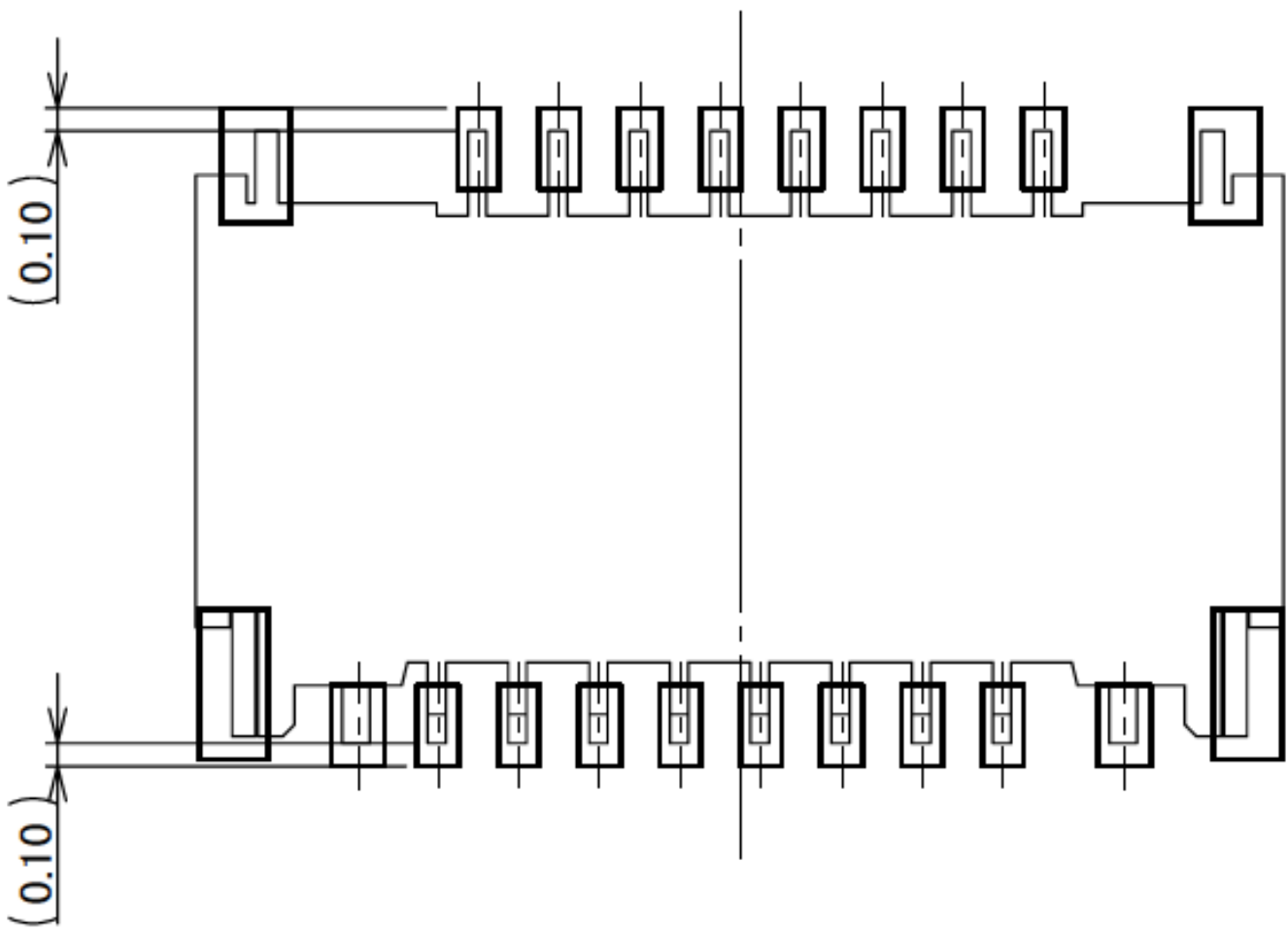
PART NO.	Pos.	C	D	E	J	K	L	M	N
◆20622-007E-0#	7	0.875	1.050	1.750	2.270	1.370	0.700	2.325	2.525
◆20622-009E-0#	9	1.225	1.400	2.100	2.620	1.720	1.050	2.675	2.875
◆20622-011E-0#	11	1.575	1.750	2.450	2.970	2.070	1.400	3.025	3.225
◆20622-013E-0#	13	1.925	2.100	2.800	3.320	2.420	1.750	3.375	3.575
◆20622-015E-0#	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

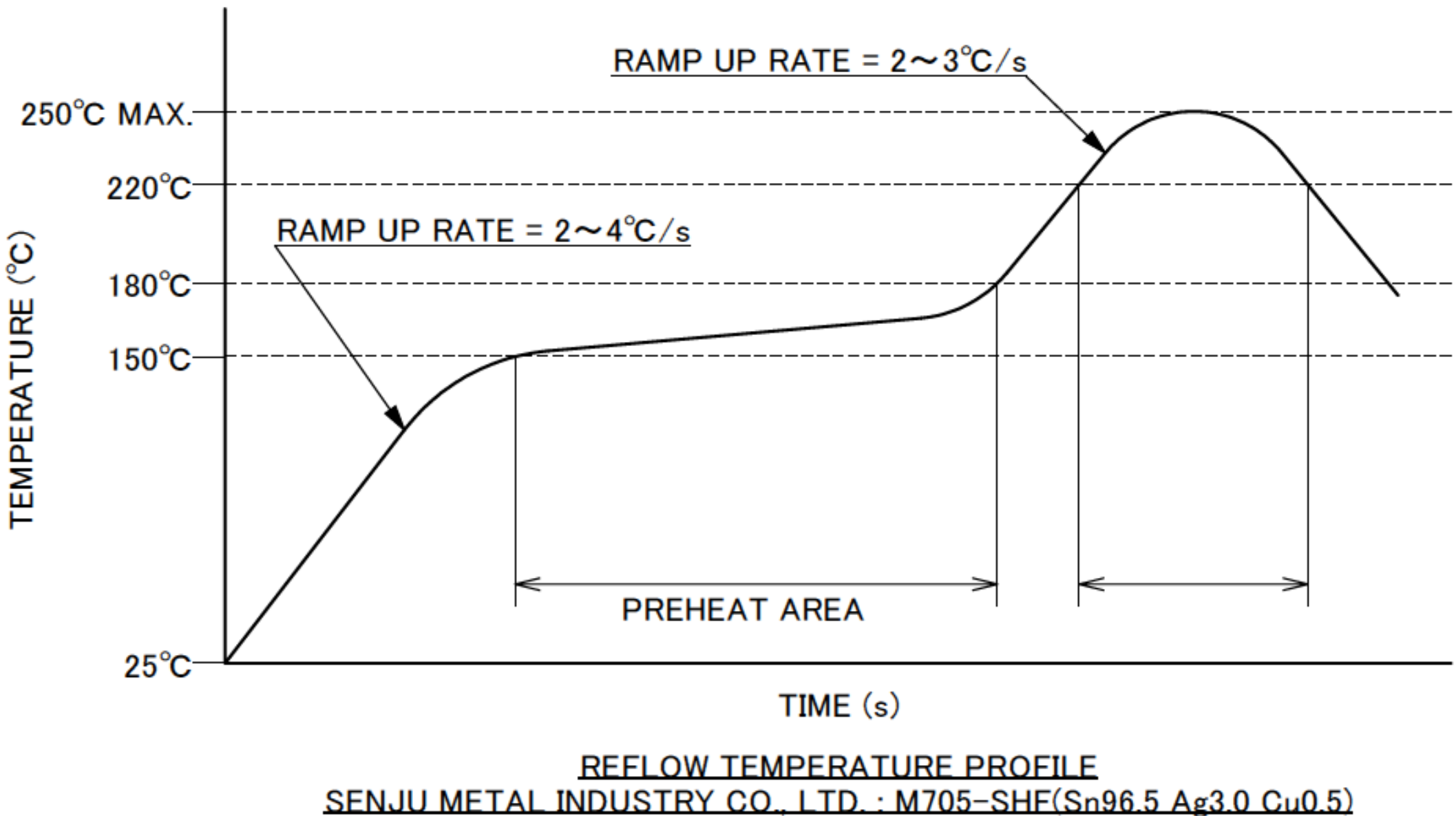


Rev.5

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***

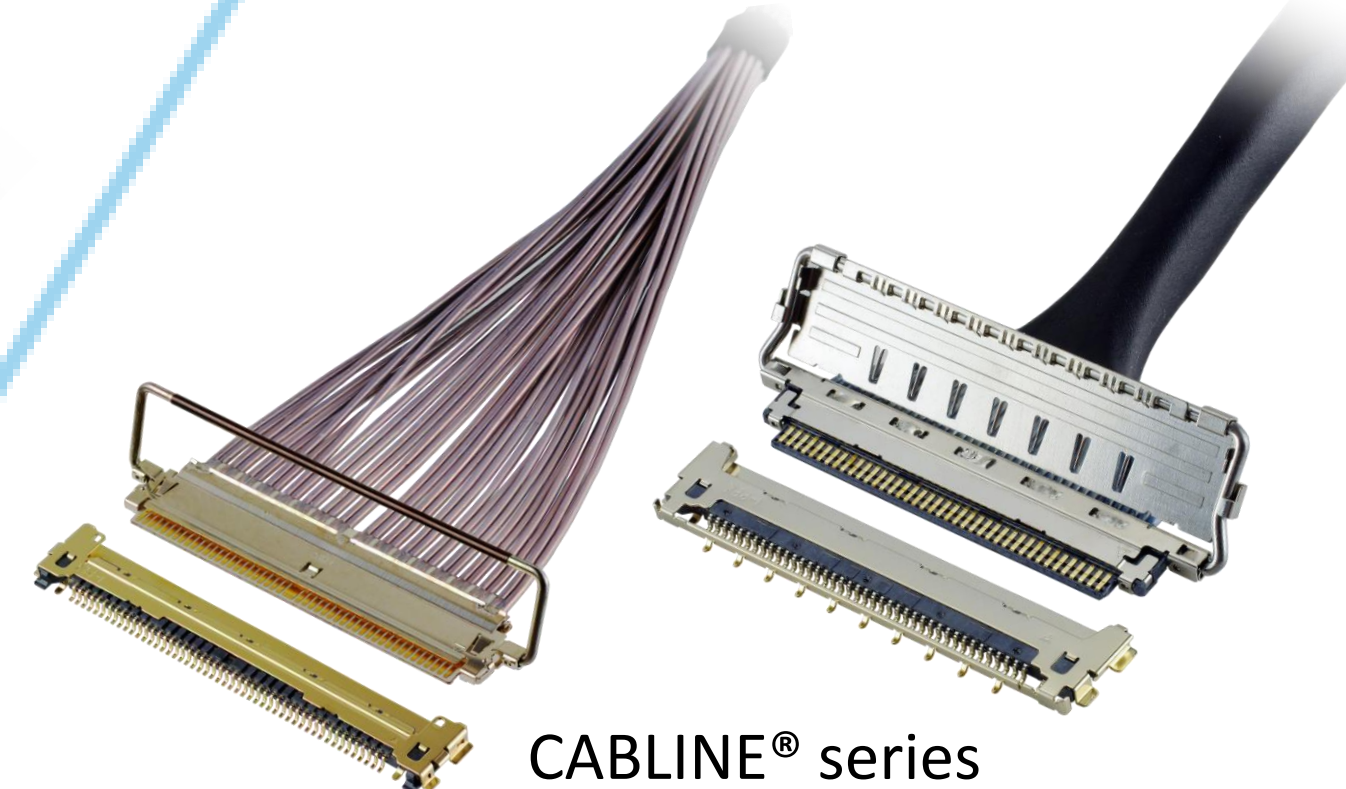
Custom Connectors Available

 RF
Connectors

MHF® series



Micro-coaxial/Twinax
Connectors

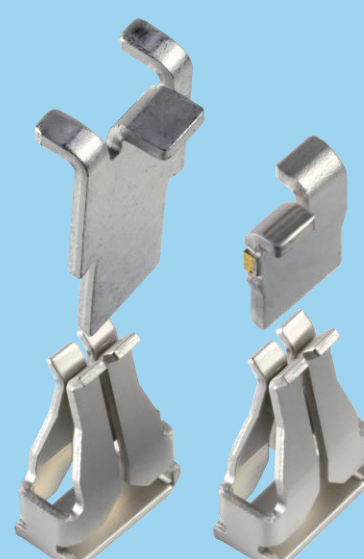


CABLIME® series

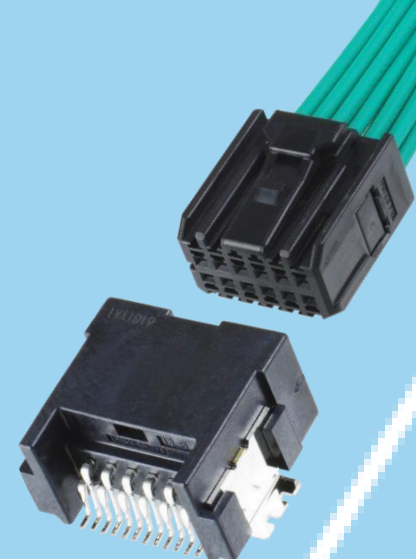


Wire-to-Board
Connectors/
Terminals

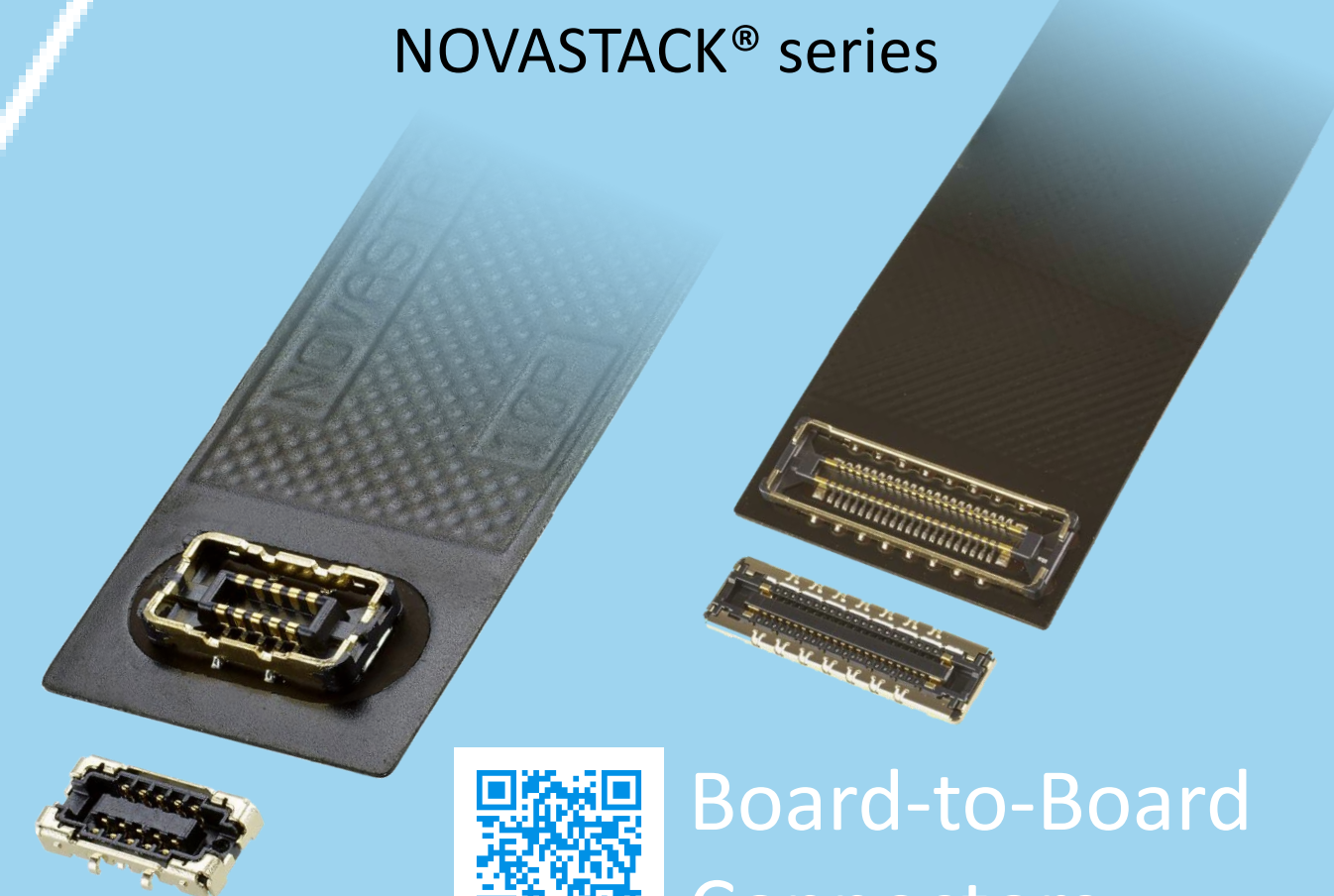
AP series



ISH® series



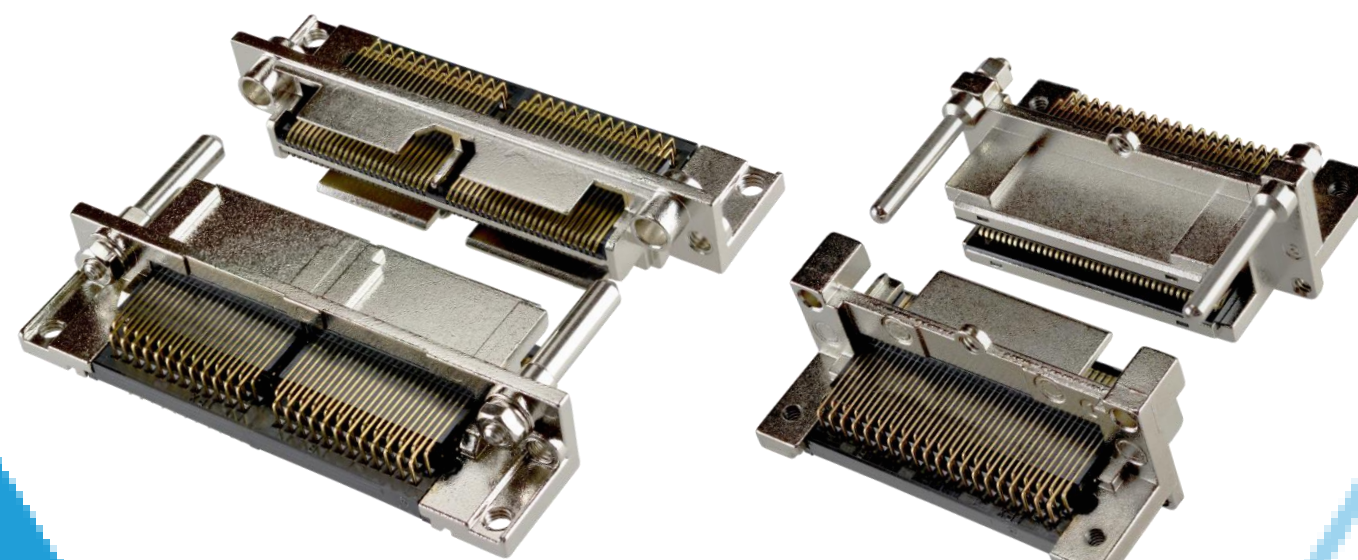
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



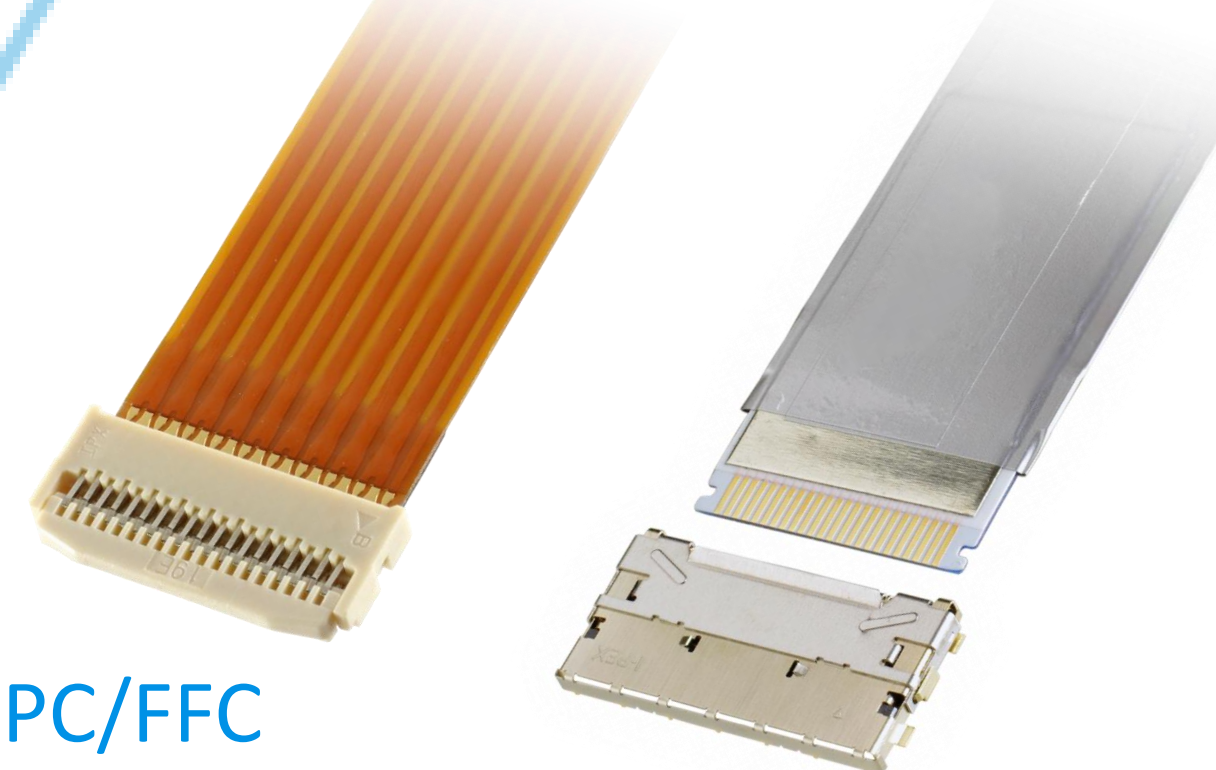
MINIDOCK™ series



FPC/FFC
Connectors

MINIFLEX® series

EVAFLEX® series



Inquiry



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