

PART NO.	Pos.	A	B	C	D	E	F	G	H
20622-016E-0#	16	4.715	4.100	2.625	2.450	3.325	4.300	3.940	3.860

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

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

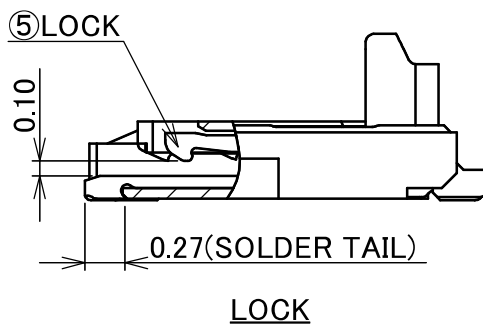
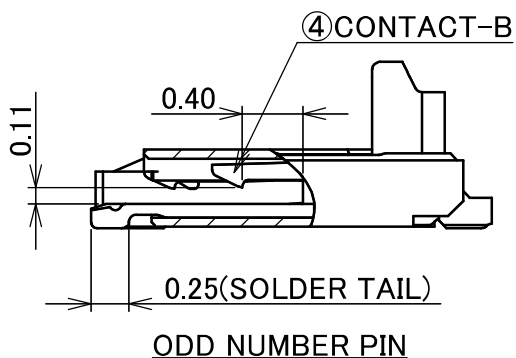
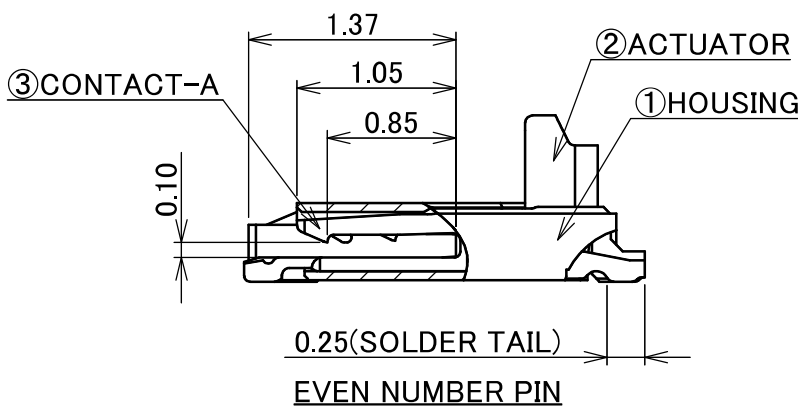
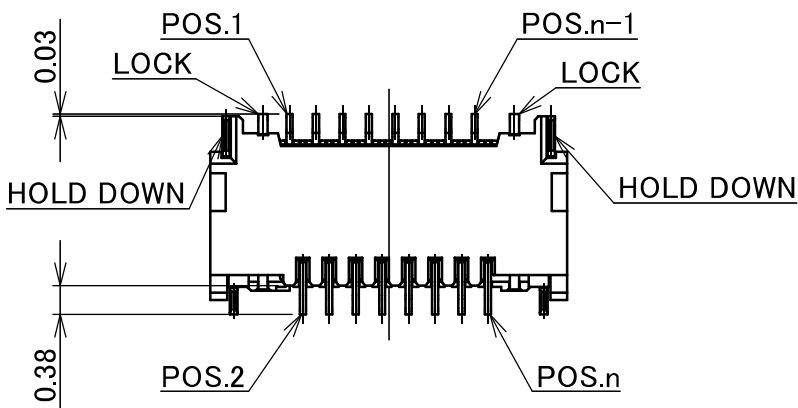
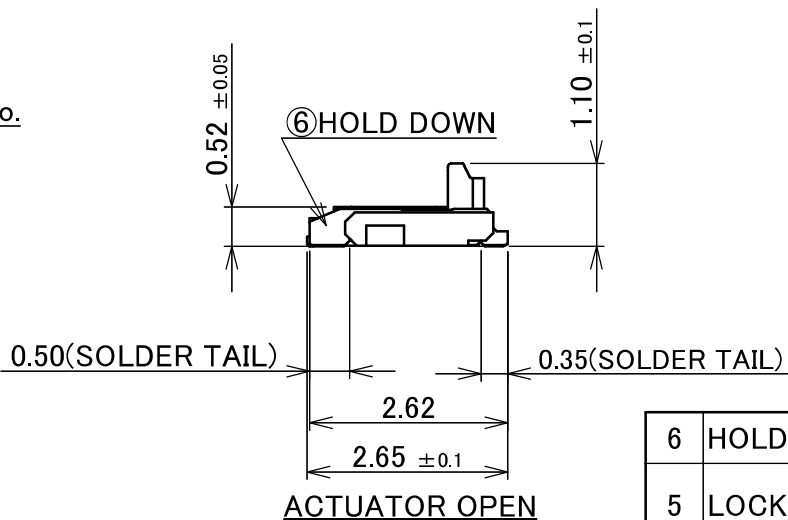
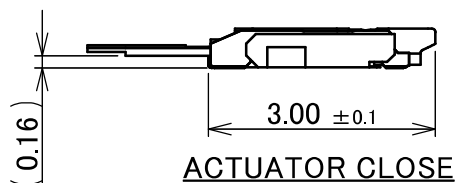
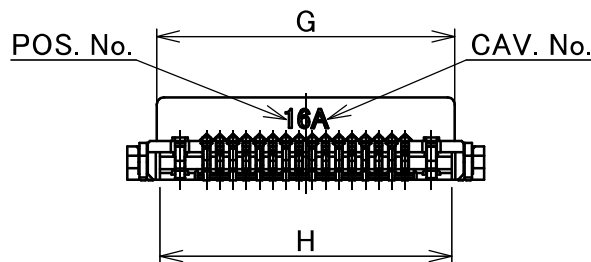
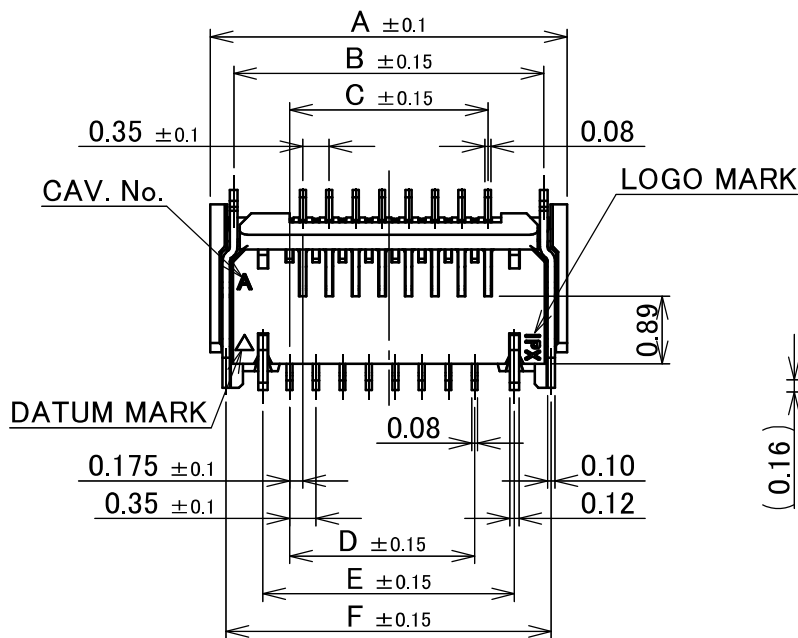
POS.



Halogen Free



RoHS Compliant



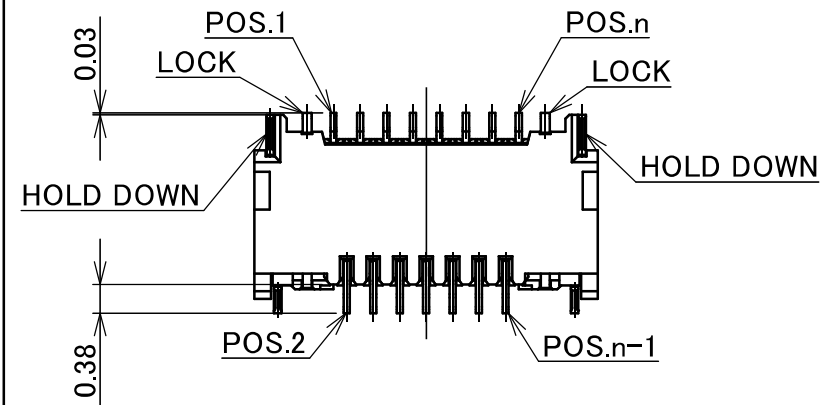
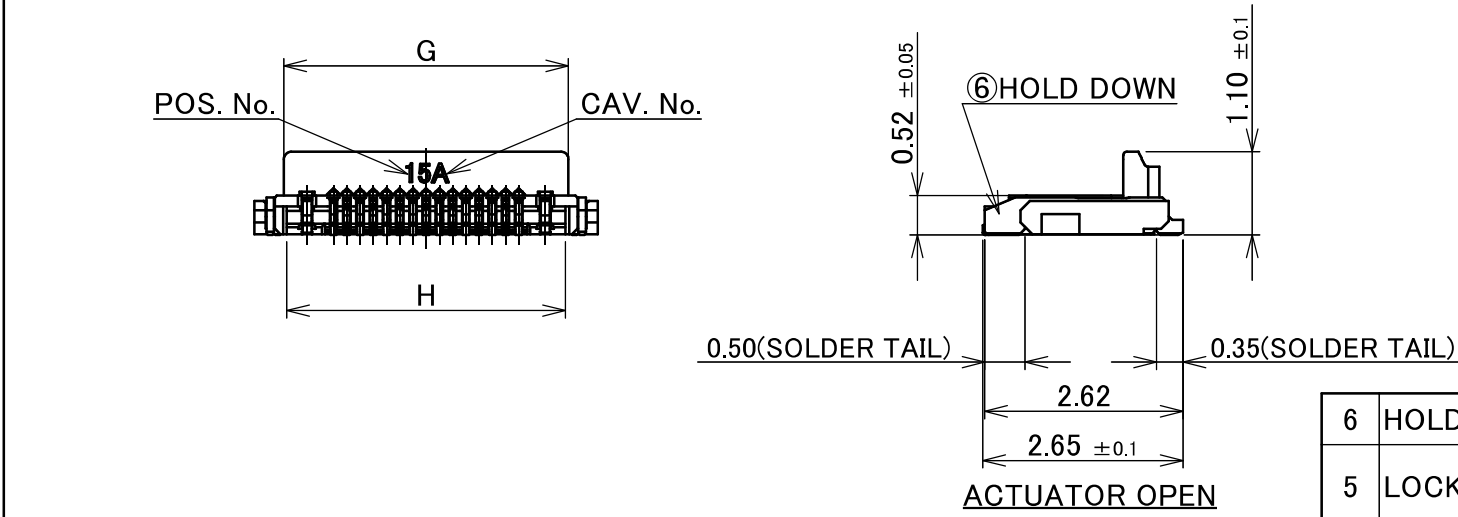
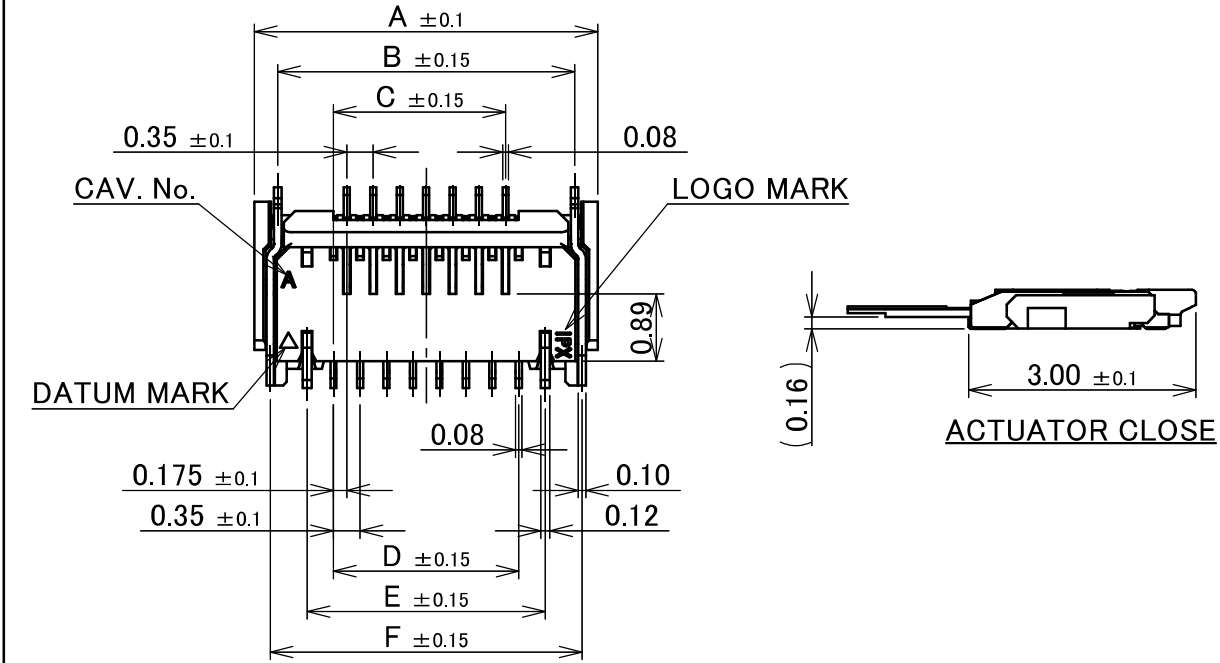
NOTES.
1. CONTACT POINT: ONLY TOP CONTACT

EVEN NUMBER POSITION

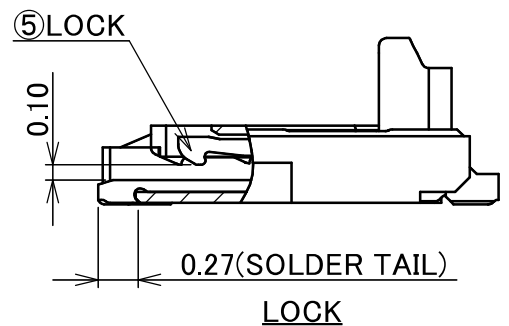
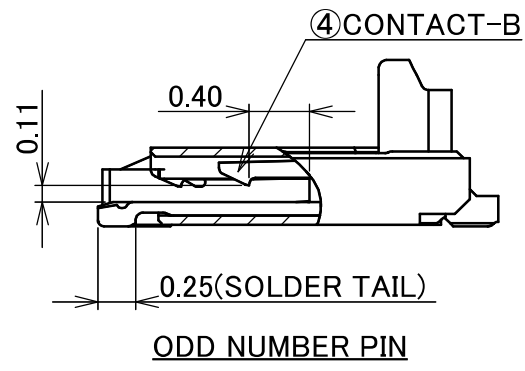
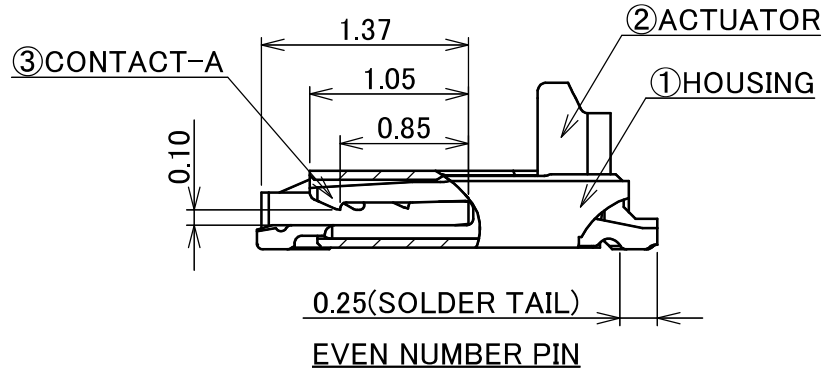
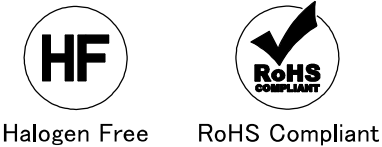
6	HOLD DOWN	PHOSPHOR BRONZE	SOLDERING AREA : Au 0.02 μ m MIN. OVER Ni 1.00 μ m MIN.
5	LOCK	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN.
4	CONTACT-B	PHOSPHOR BRONZE	CONTACT AREA : Au 0.10 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
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

6	ZC00979	S.Tan	2026/09/18	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY		
5	Z191259	S.Sh	2019/10/10	H.I	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R6			
4	Z180958	K.B	2018/07/20	Y.S	GENERAL TOLERANCE.				TITLE MINIFLEX® 175-ST	SCALE			
3	Z161033	T.T	2016/08/22	J.T	DWG.	DATE		10:1					
2	Z150546	K.O	2015/07/31	E.K	K.Ozeki		2014/10/06						
1	Z141394	H.I	2014/12/05	E.K	CHK.	J.Tateishi				UNIT			
REV.	ECN	BY	DATE	APP.	APP.				DWG. No.	20622	SIZE	SHEET	REV.
REVISION RECORD					E.Kawabe				20622		A3	1/7	6

P/N	Pos	A	B	C	D	E	F	G	H
20622-019E-0#	19	5.240	4.625	2.975	3.150	3.850	4.825	4.465	4.385



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

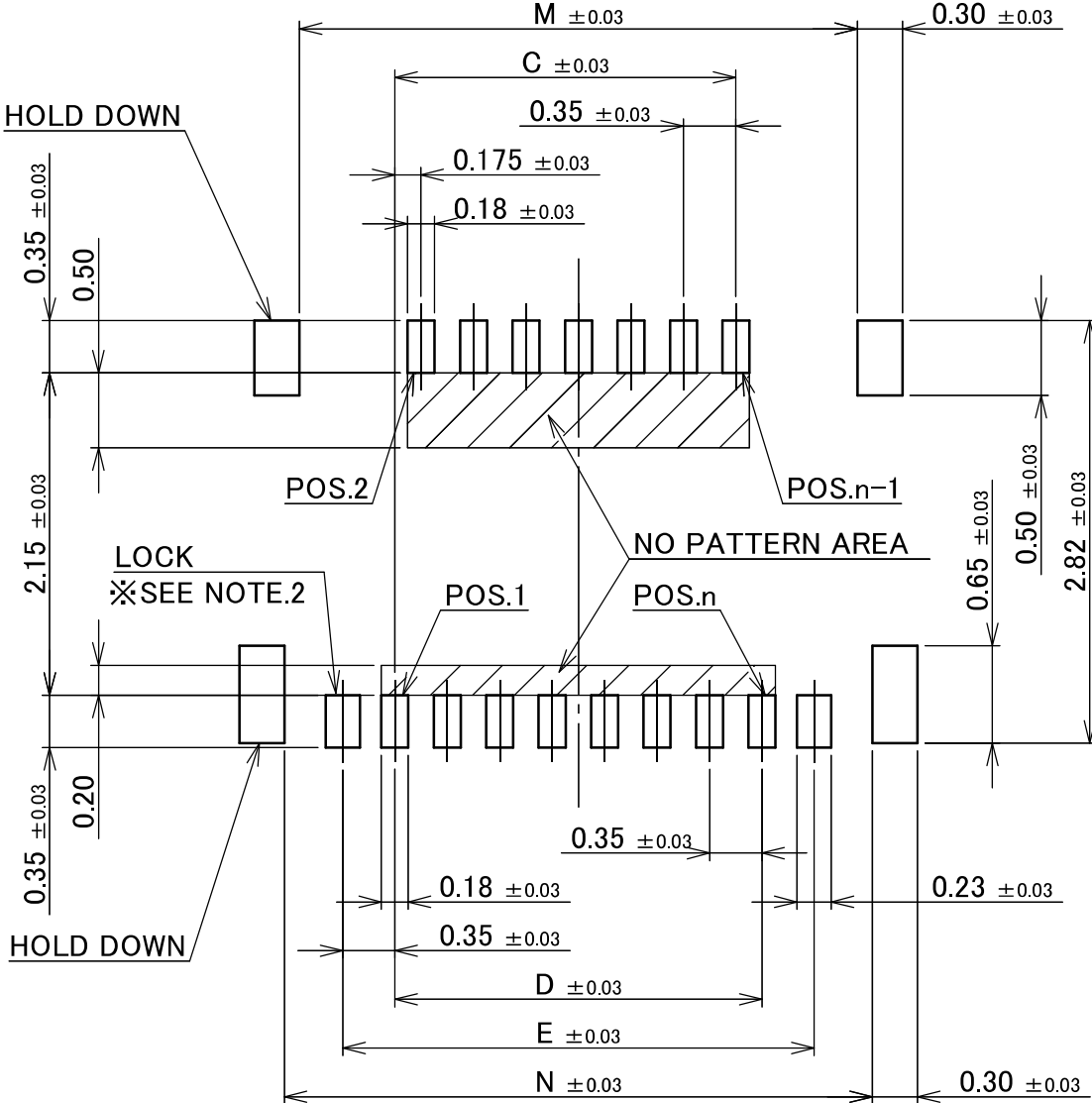
6	HOLD DOWN	PHOSPHOR BRONZE	SOLDERING AREA : Au 0.02 μ m MIN. OVER Ni 1.00 μ m MIN.
5	LOCK	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN.
4	CONTACT-B	PHOSPHOR BRONZE	CONTACT AREA : Au 0.10 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
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

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R6			
GENERAL TOLERANCE.				TITLE MINIFLEX® 175-ST		SCALE		
DWG.		DATE				10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20622	SIZE	SHEET	REV.
						A3	2/7	6

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℃~+85℃)
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***

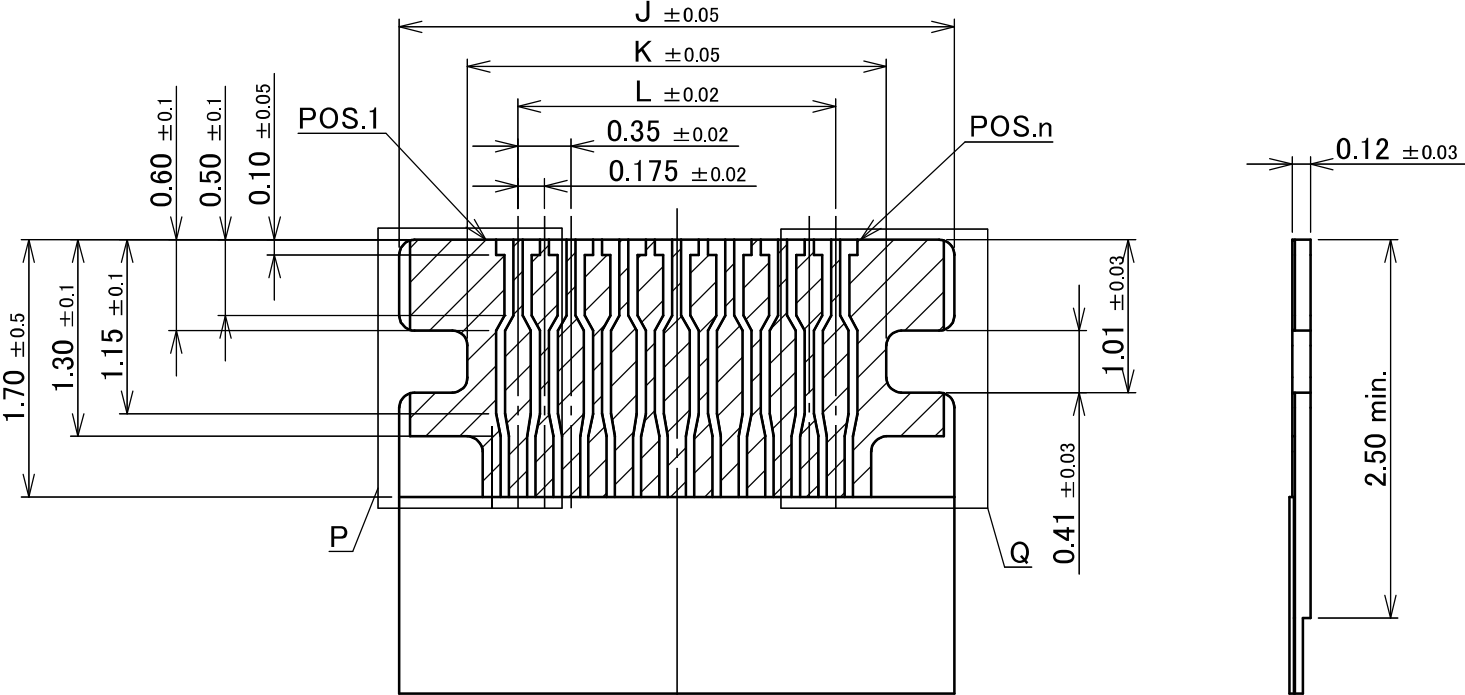
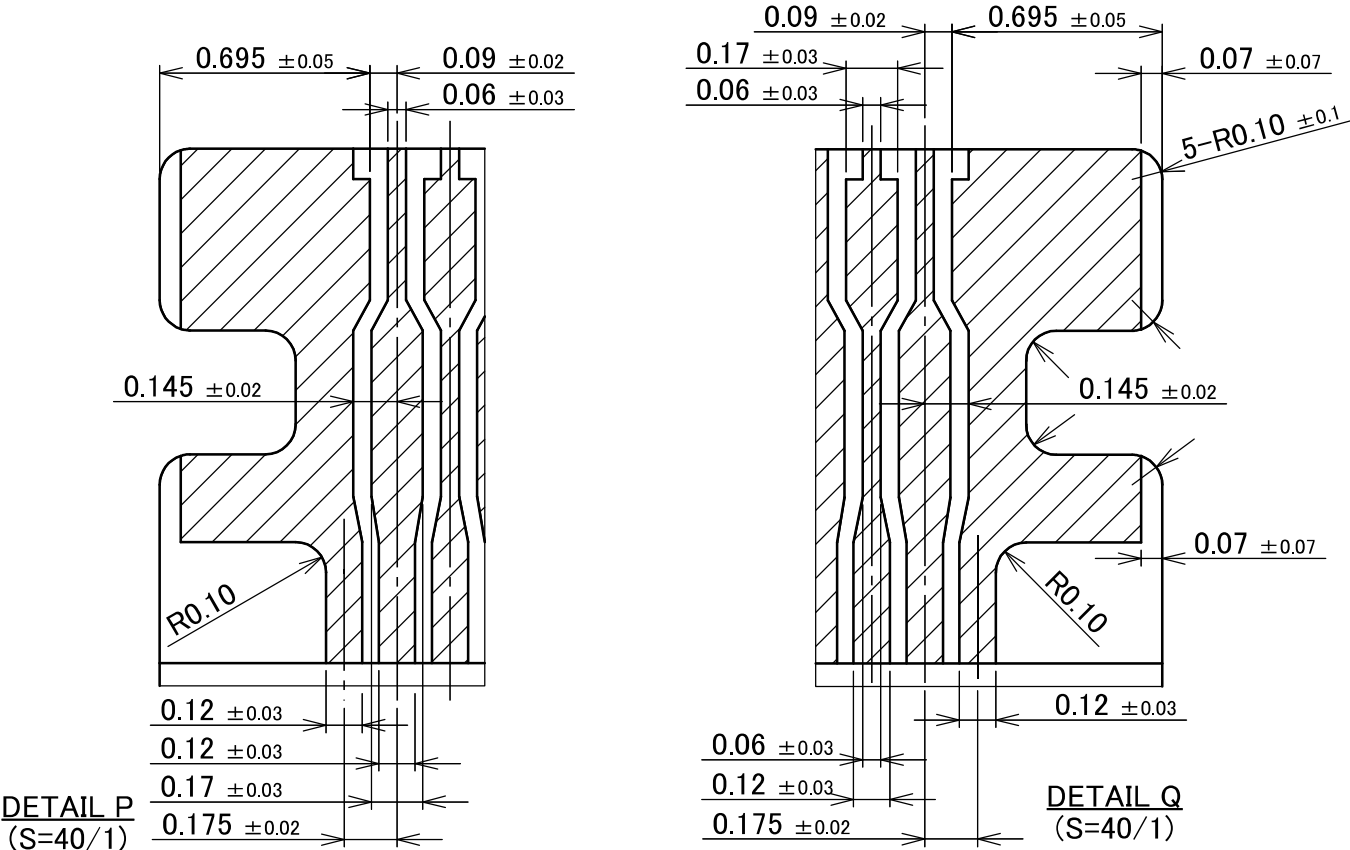
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R6	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 175-ST		SCALE	I-PEX	
DWG.	DATE					UNIT		
CHK.						mm		
APP.						DWG. No.	SIZE	SHEET
				20622	A3	3/7	6	

PART NO.	Pos.	C	D	E	J	K	L	M	N
20622-019E-0#	19	2.975	3.150	3.850	4.370	3.470	2.800	4.425	4.625



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

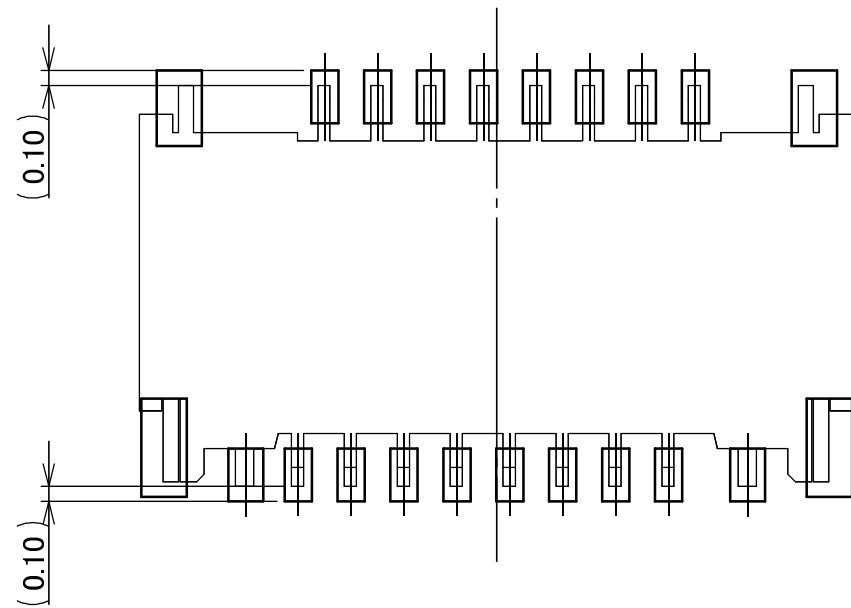
NOTES
2.PLEASE DO NOT CONNECT THESE TWO SOLDER PADS
TO THE ELECTRICAL CIRCUIT.(SIGNAL OR GROUND)



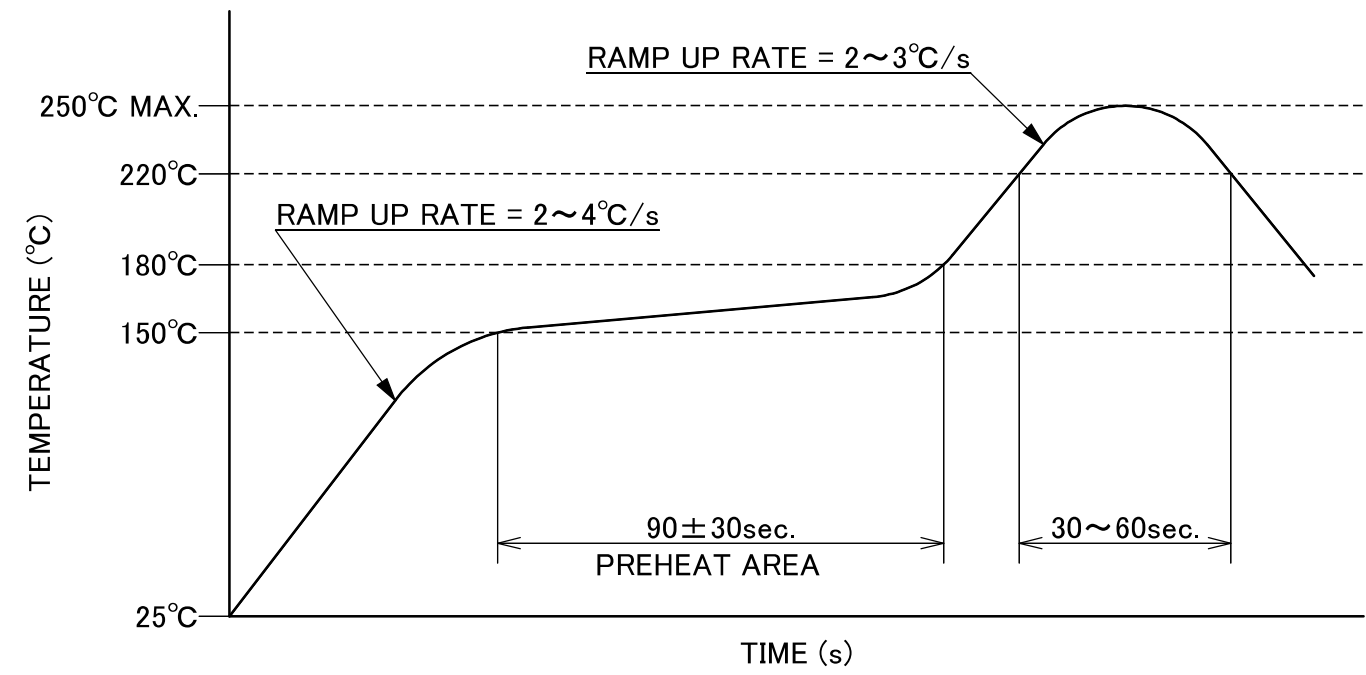
RECOMMENDED FPC LAYOUT

ODD NUMBER POSITION

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R6			
GENERAL TOLERANCE.				TITLE MINIFLEX® 175-ST		SCALE	I-PEX	
DWG.	DATE		20:1					
CHK.			UNIT					
APP.			mm					
				DWG. No.	SIZE	SHEET	REV.	
				20622	A3	5/7	6	



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R6	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 175-ST		SCALE		
DWG.	DATE					20:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20622	SIZE	SHEET	REV.
						A3	6/7	6

PART NO.	P	Q	R	S	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20622-016E-0#	12.00	5.50	4.870	3.300	7000 / REEL	8 / CARTON = 56000
20622-019E-0#			5.395	3.825		

