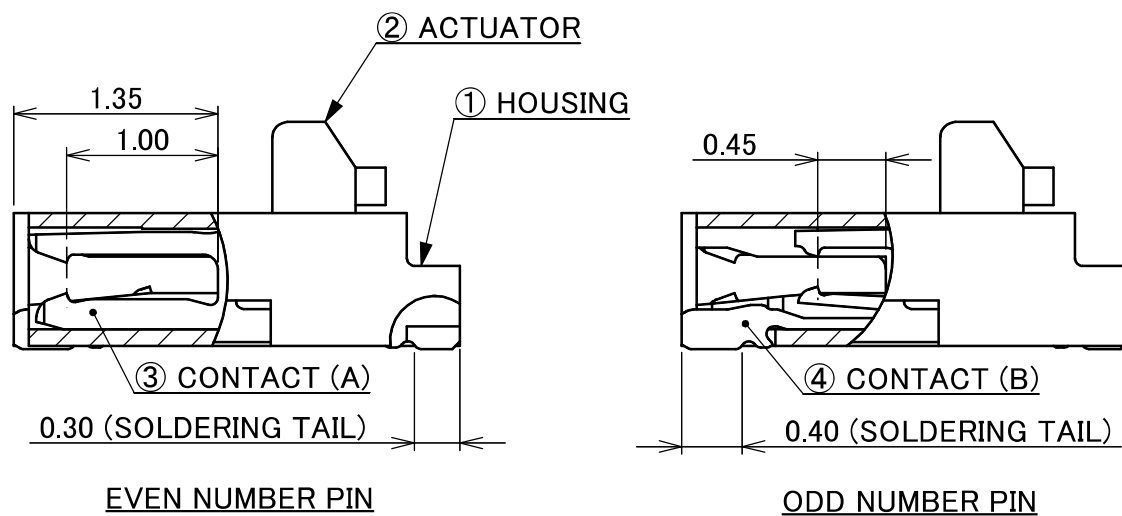
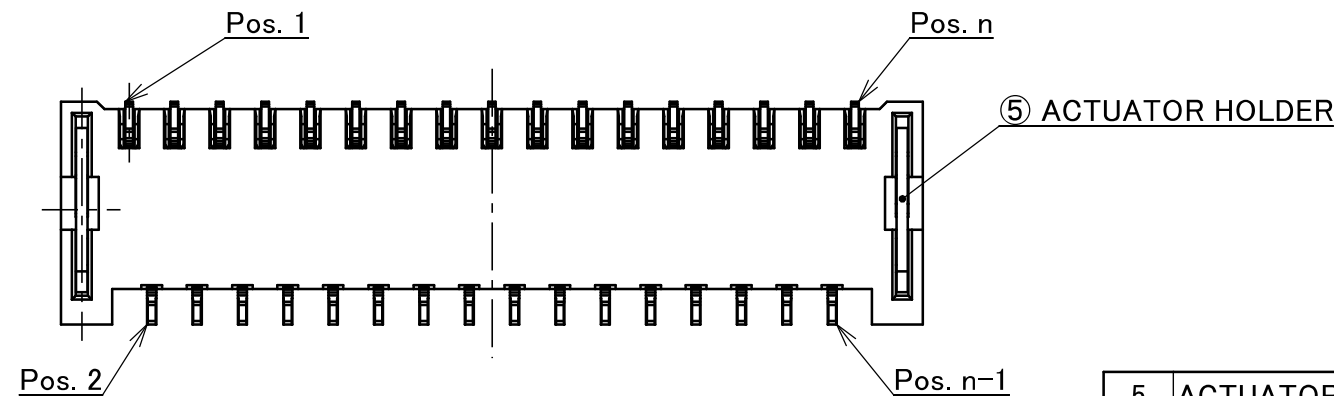
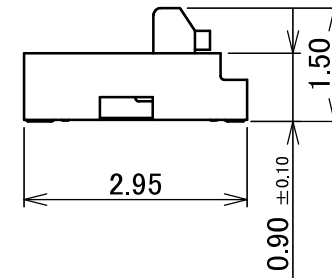
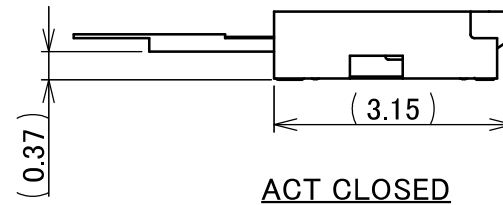
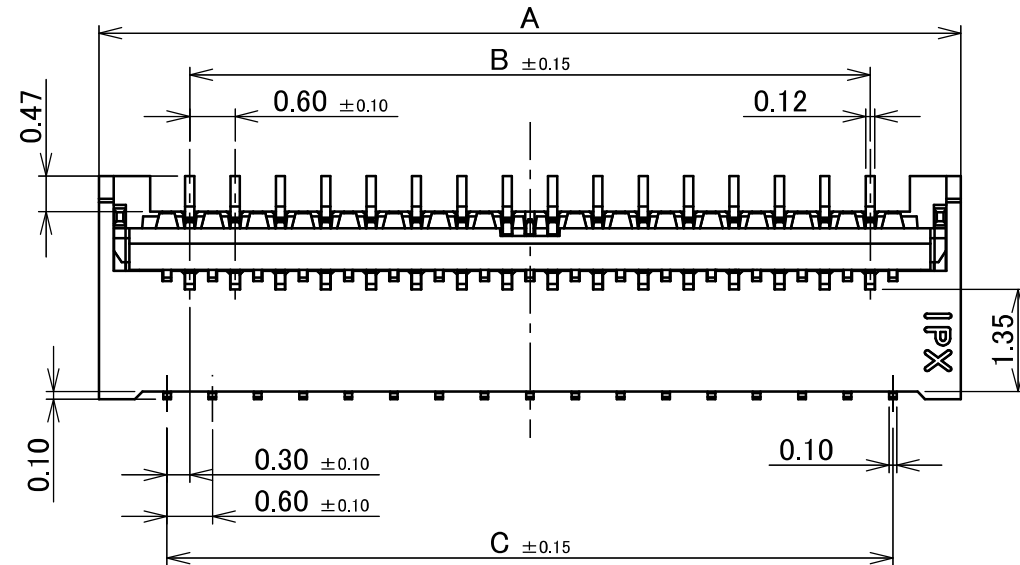




Halogen Free



RoHS Compliant



PART No.	Pos.	A	B	C	D	E
20613-007E-02	7P	3.60	1.20	1.80	2.45	2.80
20613-009E-02	9P	4.20	1.80	2.40	3.05	3.40
20613-011E-02	11P	4.80	2.40	3.00	3.65	4.00
20613-021E-02	21P	7.80	5.40	6.00	6.65	7.00
20613-023E-02	23P	8.40	6.00	6.60	7.25	7.60
20613-025E-02	25P	9.00	6.60	7.20	7.85	8.20
20613-027E-02	27P	9.60	7.20	7.80	8.45	8.80
20613-031E-02	31P	10.80	8.40	9.00	9.65	10.00
20613-033E-02	33P	11.40	9.00	9.60	10.25	10.60
20613-035E-02	35P	12.00	9.60	10.20	10.85	11.20
20613-039E-02	39P	13.20	10.80	11.40	12.05	12.40
20613-041E-02	41P	13.80	11.40	12.00	12.65	13.00
20613-045E-02	45P	15.00	12.60	13.20	13.85	14.20

NOTE

1. CONTACT POINT: TOP AND BOTTOM CONTACT

5	ACTUATOR HOLDER	NICKEL SILVER	
4	CONTACT(B)	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μ m MIN. OVER Ni 1.0 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.0 μ m MIN.
3	CONTACT(A)	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μ m MIN. OVER Ni 1.0 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.0 μ m MIN.
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DISCRIPTION	MATERIAL	REMARKS

17	ZC01026	M.M	2026/10/07	H.I	ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R6	CUSTOMER COPY		
16	Z231087	Mino	2023/09/08	H.I	6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5					
15	Z231047	S.Sh	2023/09/06	H.I	GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFNH	SCALE 10:1			
14	Z230318	K.W	2023/03/20	M.T	DWG.	M.Muro	DATE	2013/11/19					
13	Z211218	S.Sh	2021/10/06	H.I	CHK.	J.Tateishi							
12	Z200554	M.M	2020/03/29	Y.S	APP.	E.Kawabe							
REV.	ECN	BY	DATE	APP.	REVISION RECORD				DWG. No.	20613	SIZE A3	SHEET 1/5	REV. 17

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC/DC (PER CONTACT PIN)
RATING AMPERAGE	0.3A DC (PER CONTACT PIN)
OPERATING TEMPERATURE	233~358K(-40℃~+85℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : ≦40mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20TH CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL : 0.35N(31gf) × n MAX. / 20TH CYCLES : 0.35N(31gf) × n MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL : 0.02N(2gf) × n MIN. / 20TH CYCLES : 0.02N(2gf) × n MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL : 0.13N(13gf) × n MIN. / AFTER TEST : 0.10N(10gf) × n MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-1846
TEST REPORT	TR-13104
PACKING STANDARD	PST-13054
INSTRUCTION MANUAL	HIM-14004
APPEARANCE CRITERIA No.	QLS-A***

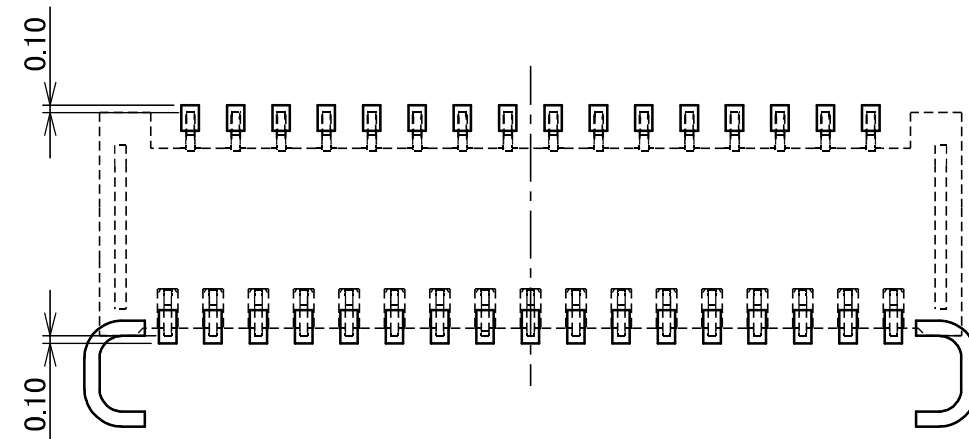
※ “n” IS THE NUMBER OF PIN



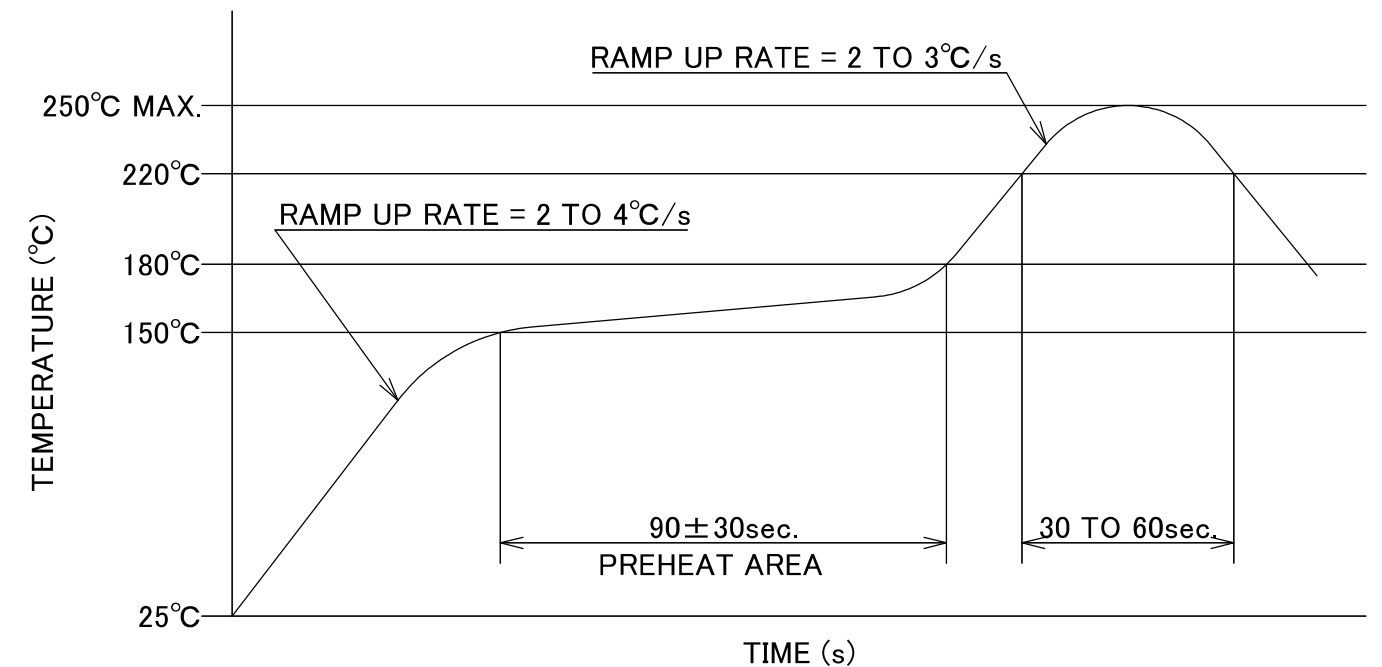
CAUTION

PLEASE BE SURE TO READ AND UNDERSTAND “INSTRUCTION MANUAL” BEFORE YOU USE OUR PRODUCTS.

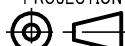
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R6	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFNH		SCALE	I-PEX	
DWG.	DATE					—		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20613		SIZE A3	SHEET 2/5	REV. 17



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	PROJECTION 	SERIES No. R6	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFNH		SCALE	I-PEX	
DWG.		DATE				10:1		
CHK.						UNIT		
						mm		
APP.				DWG. No.	20613	SIZE	SHEET	REV.
				A3		4/5	17	

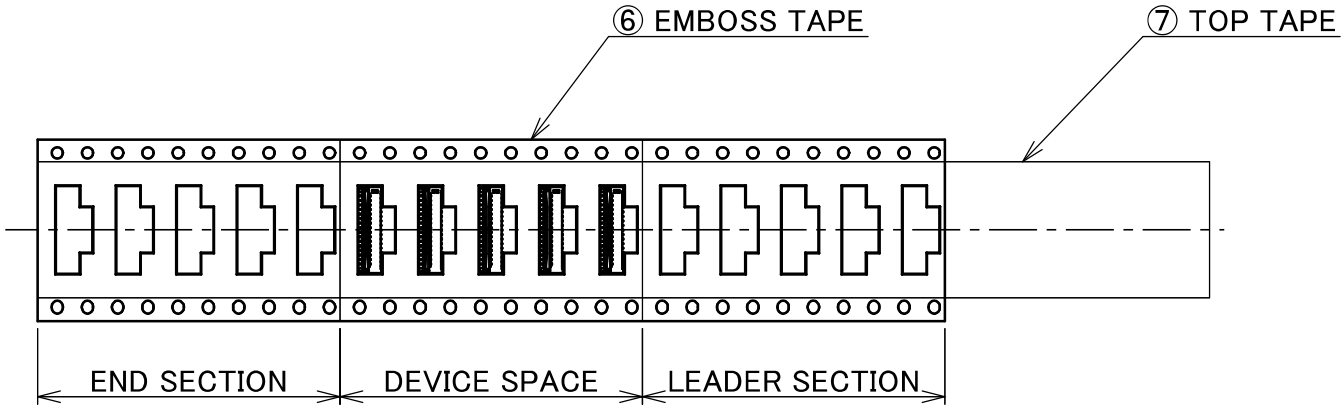
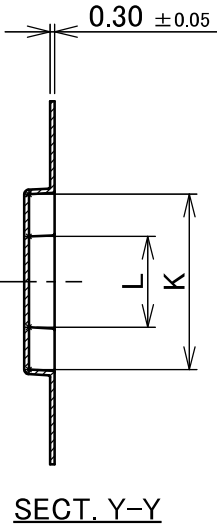
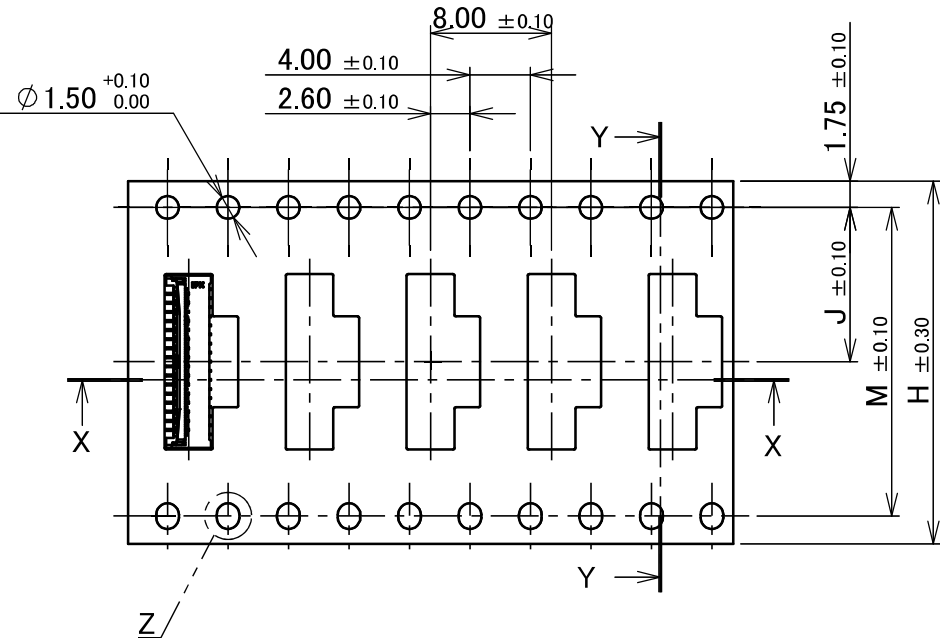
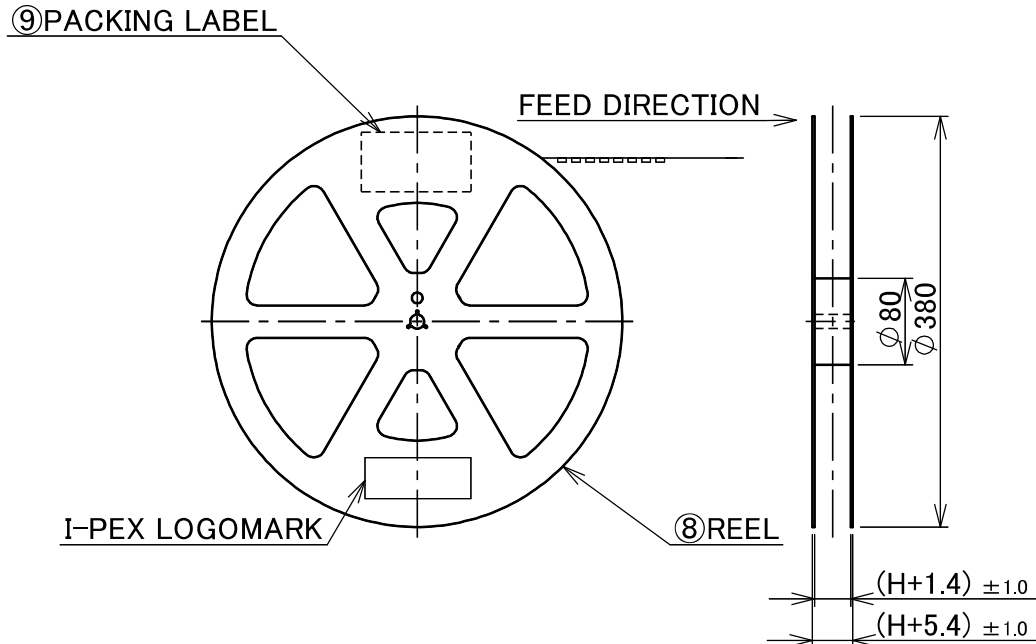
PART No.	H	J	K	L	M	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20613-007E-02	16.00	7.50	3.80	1.50	-	5000 PIECES / REEL	7 REELS / CARTON (35000 PIECES / CARTON)
20613-009E-02	16.00	7.50	4.40	1.50	-		
20613-011E-02	16.00	7.50	5.00	1.50	-		
20613-021E-02	24.00	11.50	8.00	4.00	-	5000 PIECES / REEL	5 REELS / CARTON (25000 PIECES / CARTON)
20613-023E-02	24.00	11.50	8.60	4.00	-		
20613-025E-02	24.00	11.50	9.20	4.00	-		
20613-027E-02	24.00	11.50	9.80	6.00	-		
20613-031E-02	24.00	11.50	11.00	6.00	-		
20613-033E-02	24.00	11.50	11.60	6.00	-		
20613-035E-02	24.00	11.50	12.20	6.00	-		
20613-039E-02	24.00	11.50	13.40	6.00	-		
20613-041E-02	24.00	11.50	14.00	8.00	-		
20613-045E-02	24.00	11.50	15.20	8.00	-		

- NOTES
1. TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).

2. MAKE EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE.

3. TOP TAPE SHALL NOT STICK OUT FROM EMBOSS TAPE.

4. TOP TAPE SHALL NOT COVER FEED HOLE.



9	PACKING LABEL	-	-
8	REEL	PS	BLACK
7	TOP TAPE	PET TRANSPARENCY	ANTI-STATIC TYPE
6	EMBOS TAPE	PS TRANSPARENCY	ANTI-STATIC TYPE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

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® 3-BFNH		SCALE	I-PEX	
DWG.	DATE					X:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20613	SIZE	SHEET	REV.
						A3	5/5	17