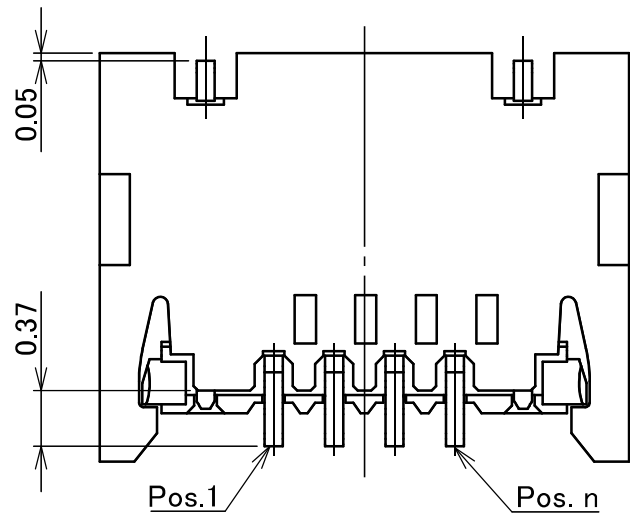
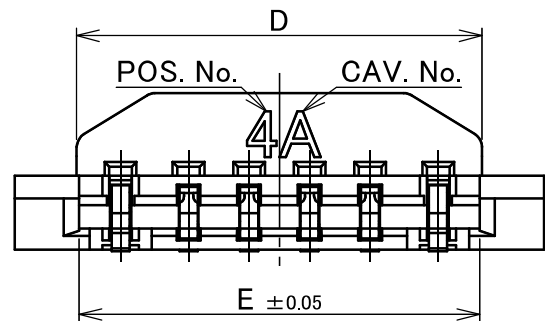
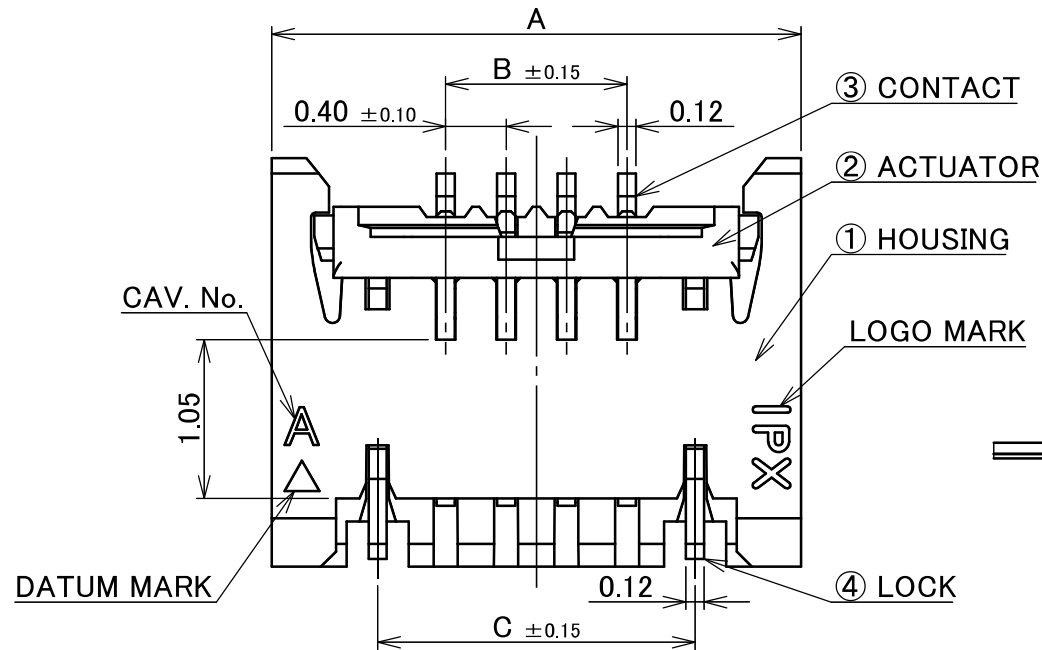
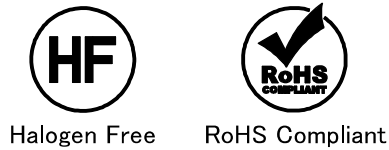
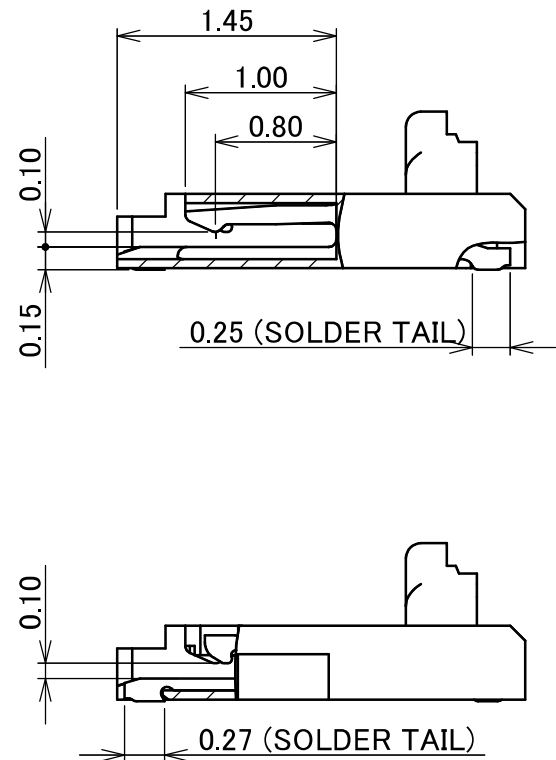
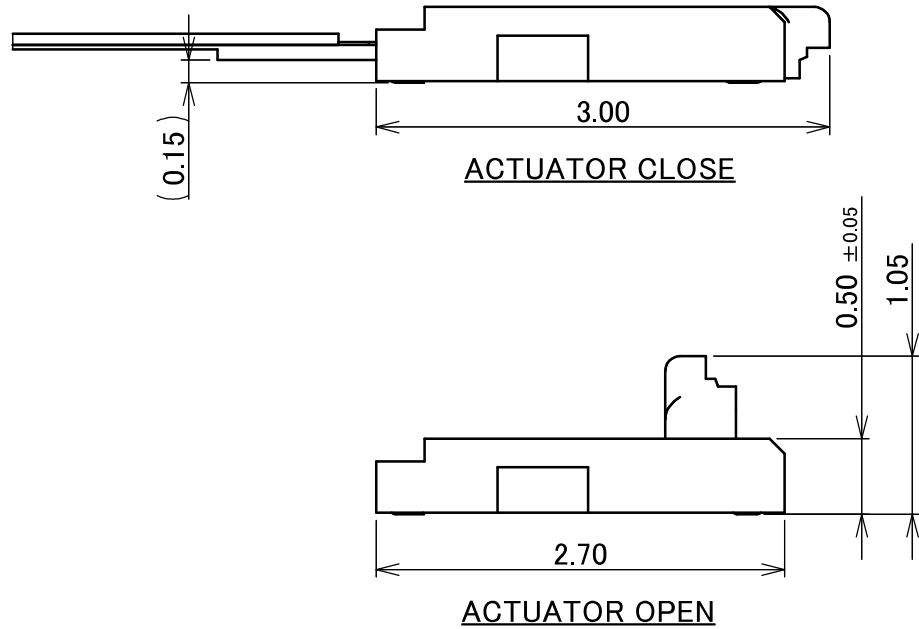


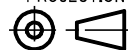
PART No.	Pos.	A	B	C	D	E
20588-004E-01	4P	3.50	1.20	2.10	2.68	2.65
20588-006E-01	6P	4.30	2.00	2.90	3.48	3.45
20588-008E-01	8P	5.10	2.80	3.70	4.28	4.25
20588-010E-01	10P	5.90	3.60	4.50	5.08	5.05
20588-012E-01	12P	6.70	4.40	5.30	5.88	5.85



NOTES
1.CONTACT POINT : ONLY UPPER CONTACT



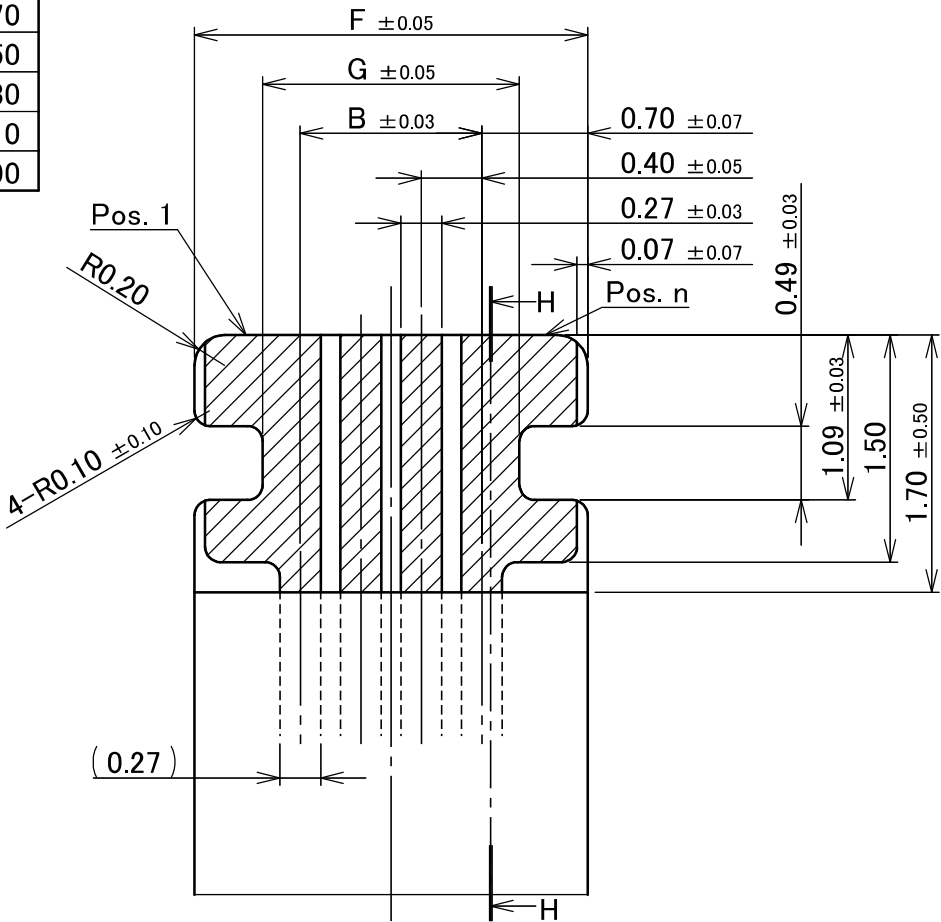
4	LOCK	PHOSPHOR BRONZE	SOLDER AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN. OTHER : Ni 1.00 μ m MIN.
3	CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDER AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

10	ZC01041	M.M	2026/10/09	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY		
9	Z250698	S.Sh	2025/05/01	T.M	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R6			
8	Z200769	M.M	2020/07/22	Y.S	GENERAL TOLERANCE.				TITLE MINIFLEX® 4-ST	SCALE 20:1			
7	Z191240	S.Sh	2019/09/17	H.I	DWG.	DATE							
6	Z180889	Y.Sasa	2018/08/20	Y.S	K.Inomae 2013/11/29								
5	Z161035	Y.M	2016/08/23	Y.S	CHK.								
					J.Tateishi								
REV.	ECN	BY	DATE	APP.	APP.				DWG. No.	20588	SIZE A3	SHEET 1/5	REV. 10
REVISION RECORD					E.Kawabe								

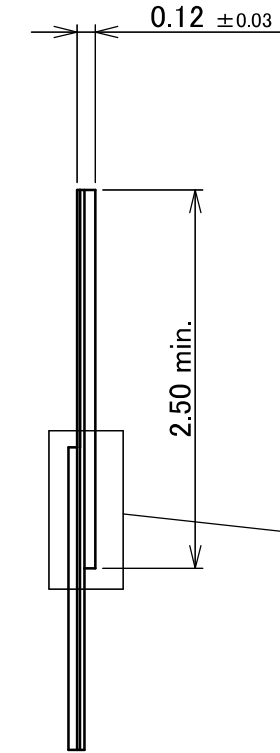
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.4A DC (PER CONTACT)/ 6.0A DC (PER CONNECTOR)
OPERATING TEMPERATURE	233~358K(−40℃~+85℃)
OPERATING HUMIDITY	20~80% (NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 60mohm MAX. / AFTER TEST : $\triangleleft$ 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 100Mohm MIN. / AFTER TEST : 100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V
DURABILITY	20 CYCLES
ACT CLOSING FORCE (INITIAL / AFTER TEST)	4P : 1.8N MAX. / 6P : 2.4N MAX. / 8P : 3.0N MAX. 10P : 3.6N MAX. / 12P : 4.2N MAX.
ACT RELEASING FORCE (INITIAL / AFTER TEST)	4P : 0.06N MIN. / 6P : 0.08N MIN. / 8P : 0.10N MIN. 10P : 0.12N MIN. / 12P : 0.14N MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	4P : 2.50N MIN. / 6P : 2.62N MIN. / 8P : 2.74N MIN. 10P : 2.86N MIN. / 12P : 2.98N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-1863
TEST REPORT	TR-13088
PACKING STANDARD	PST-13049
INSTRUCTION MANUAL	HIM-14024
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® 4-ST		SCALE	I-PEX	
DWG.	DATE					UNIT		
CHK.						mm		
APP.						DWG. No.	20588	SIZE A3

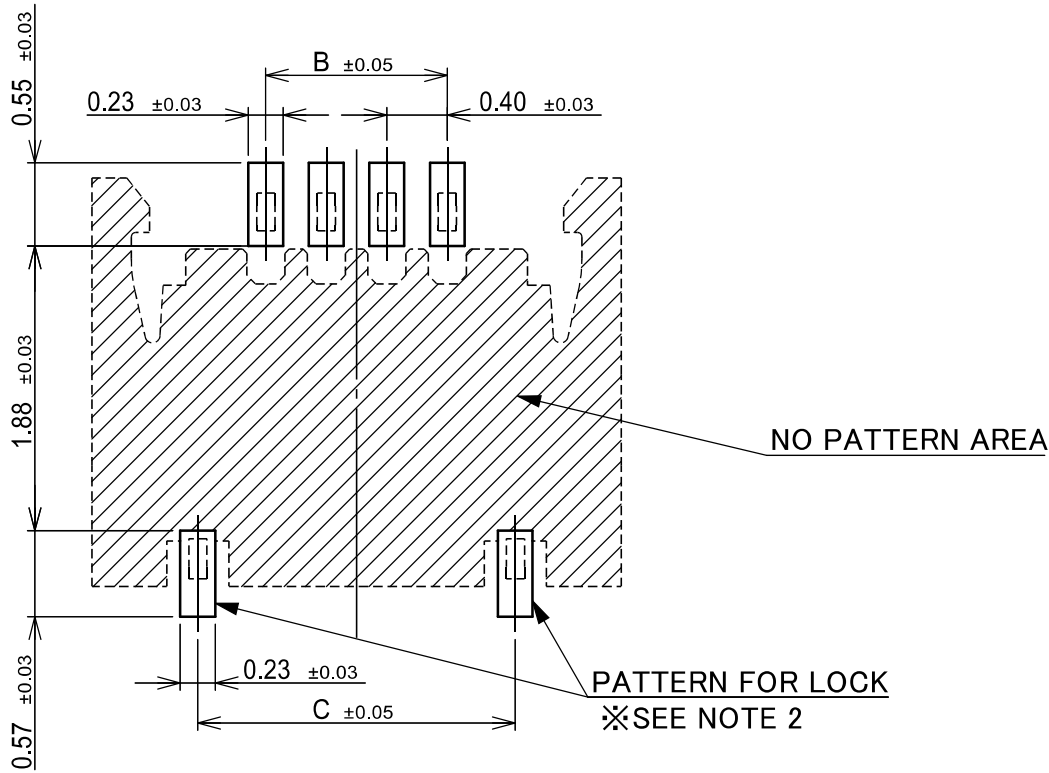
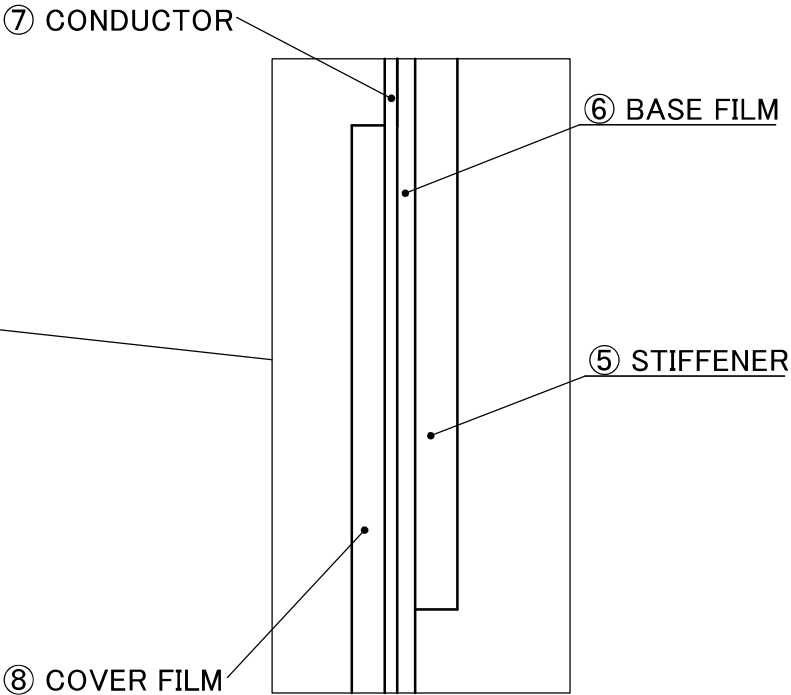
Pos.	B	C	F	G
4P	1.20	2.10	2.60	1.70
6P	2.00	2.90	3.40	2.50
8P	2.80	3.70	4.20	3.30
10P	3.60	4.50	5.00	4.10
12P	4.40	5.30	5.80	4.90



RECOMMENDED FPC LAYOUT



SECT H-H

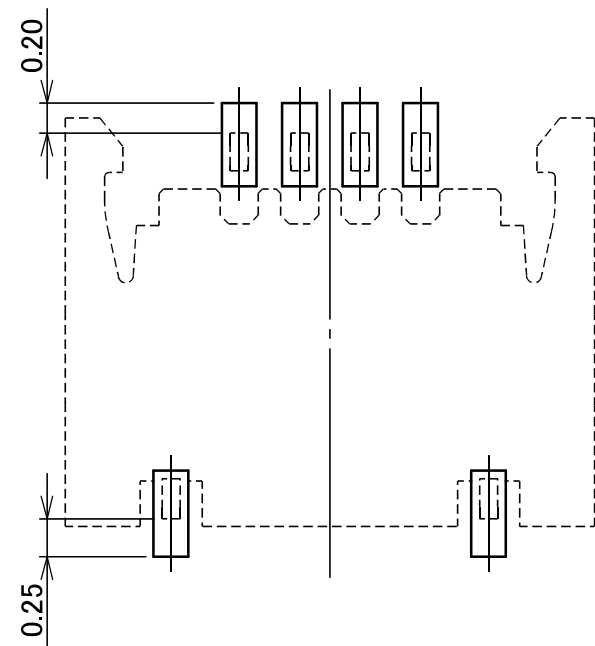


RECOMMENDED PCB AND METAL MASK LAYOUT
METAL MASK THICKNESS : t=0.12mm

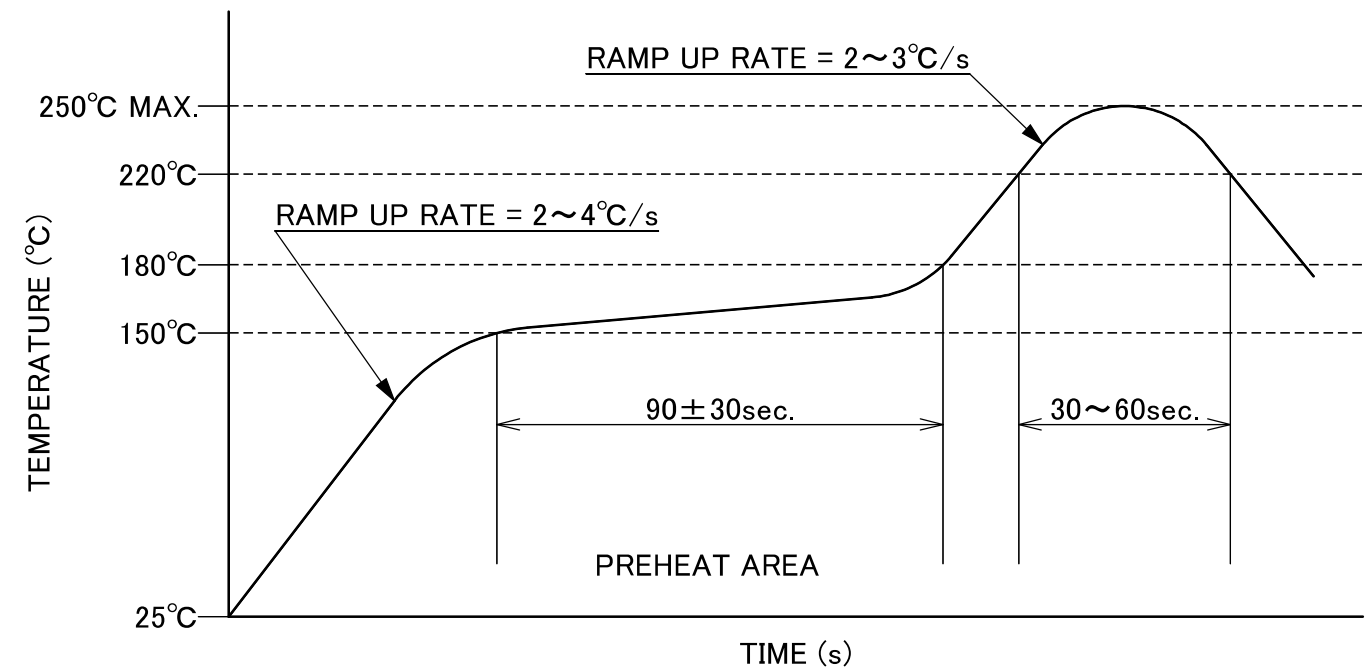
- NOTES.
- PLEASE DO NOT CONNECT THESE TWO SOLDER PADS TO THE ELECTRICAL CIRCUIT, (SIGNAL OR GROUND)
 - ADHESIVE SHOULD USE THERMOSETTING.

8	COVER FILM	PI	
7	CONDUCTOR	COPPER	Au OVER Ni UNDER PLATING
6	BASE FILM	PI	
5	STIFFENER	PI	
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® 4-ST		SCALE	I-PEX	
DWG.	DATE					20:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20588	SIZE	SHEET	REV.
						A3	3/5	10



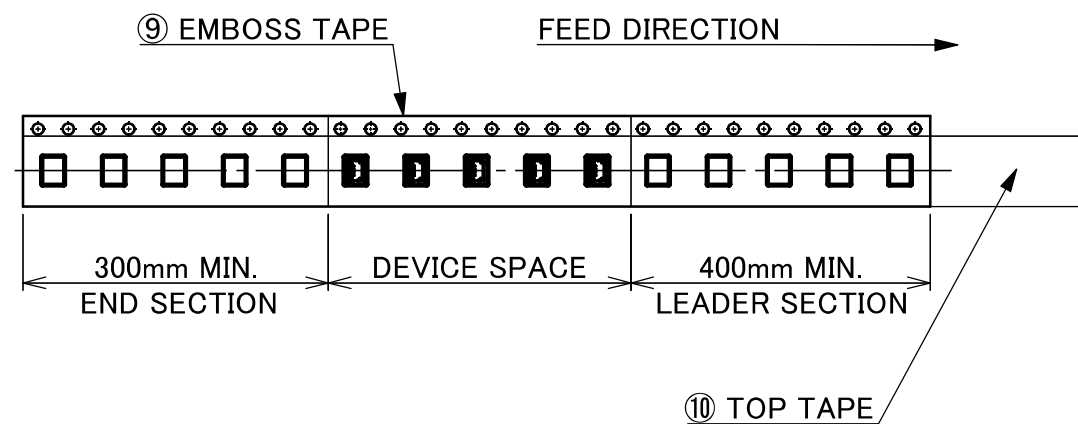
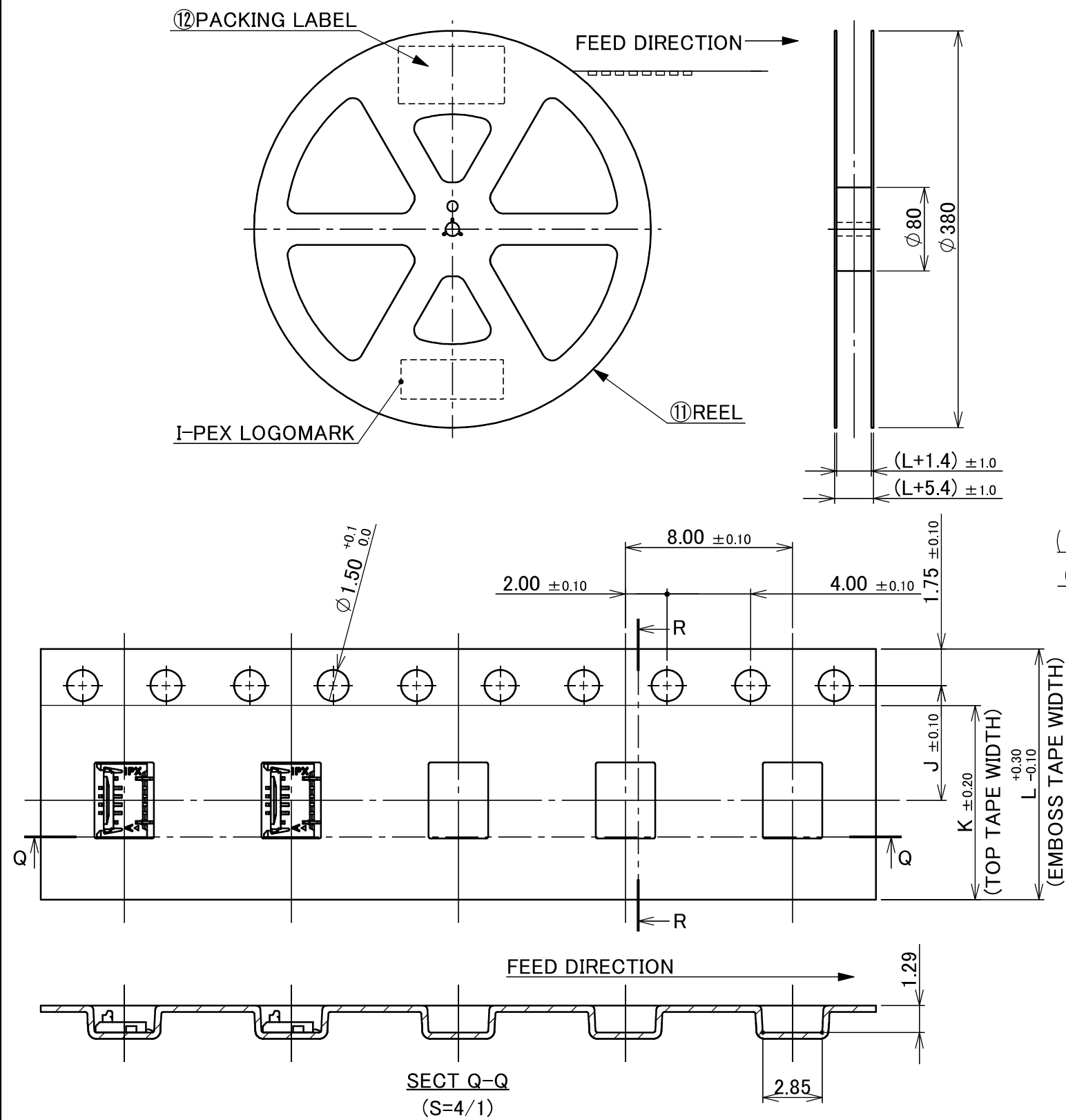
CONNECTOR LOCATION



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® 4-ST		SCALE	I-PEX	
DWG.	DATE					20:1		
CHK.						UNIT		
			mm					
APP.				DWG. No.	20588	SIZE	SHEET	REV.
						A3	4/5	10

PART NO.	J	K	L	P	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20588-004E-01	5.50	9.30	12.00	3.65	7000 / REEL	8 / CARTON = 56000
20588-006E-01				4.45		
20588-008E-01				5.25		
20588-010E-01				6.05		
20588-012E-01	7.50	13.30	16.00	6.85		7 / CARTON = 49000



- NOTES.
4. TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
 5. MAKE EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE.
 6. TOP TAPE SHALL NOT STICK OUT FROM EMBOSS TAPE.
 7. TOP TAPE SHALL NOT COVER FEED HOLE.

12	PACKING LABEL	-	-
11	REEL	PS	BLACK
10	TOP TAPE	PET TRANSPARENCY	ANTI-STATIC TYPE
9	EMBOSS TAPE	PS TRANSPARENCY	ANTI-STATIC TYPE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

SECT R-R
(S=4/1)

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® 4-ST		SCALE	I-PEX	
DWG.	DATE		X:1					
CHK.			UNIT					
APP.			mm					
				DWG. No.	20588	SIZE	SHEET	REV.
						A3	5/5	10