

ODD NUMBER POS.

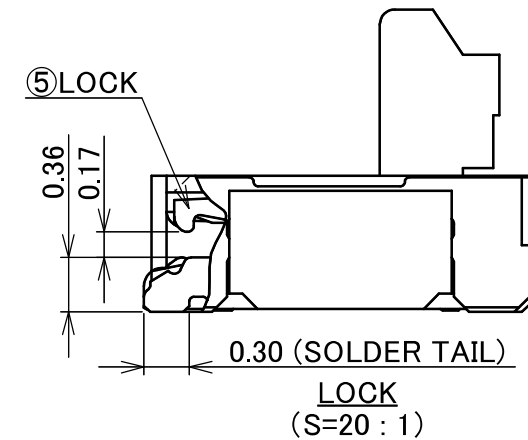
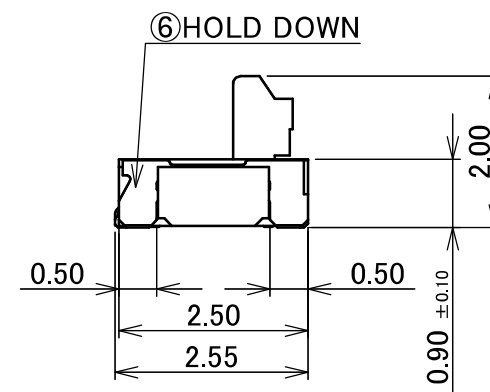
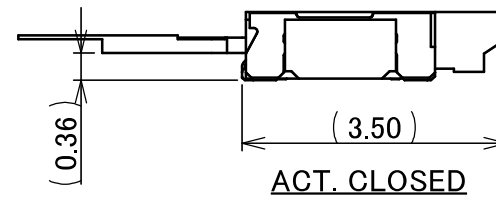
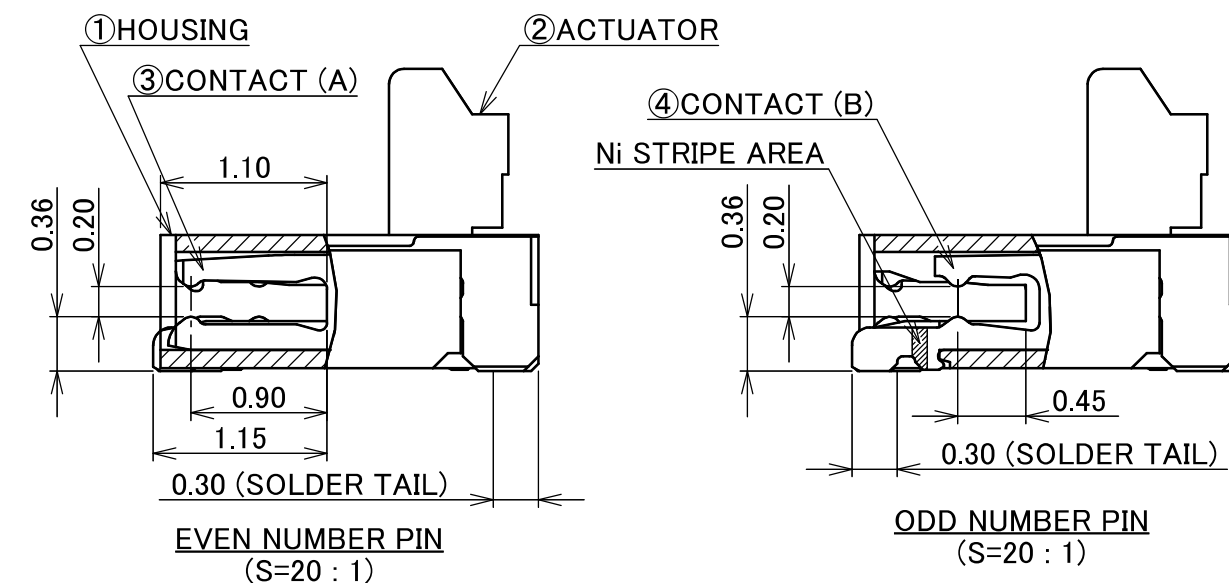
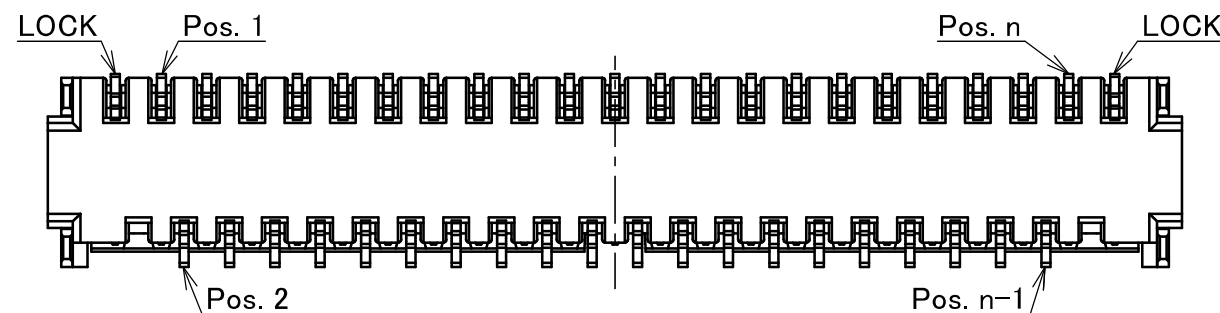
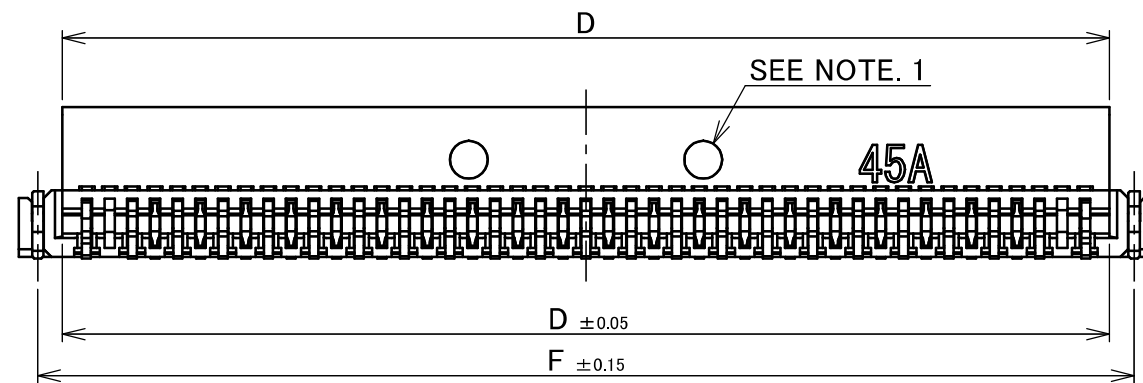
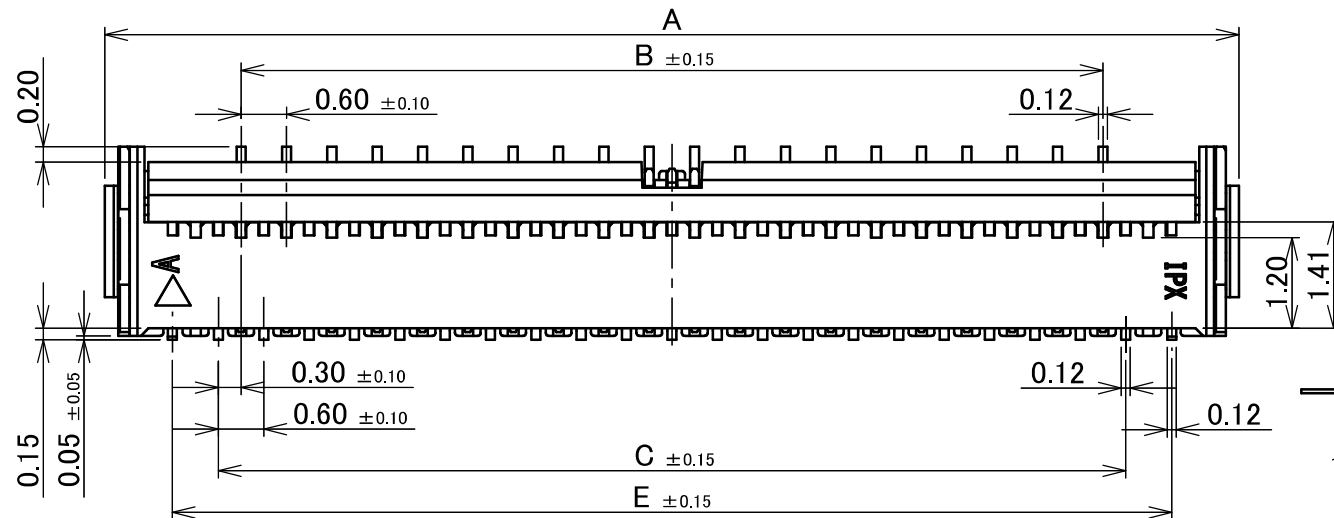


Halogen Free



RoHS Compliant

PART NO.	Pos.	A	B	C	D	E	F
20655-011E-01	11P	6.00	2.40	3.00	4.85	4.20	5.50
20655-045E-01	45P	16.20	12.60	13.20	15.05	14.40	15.70



NOTES.

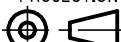
- THIS DENT SHAPE IS PURPOSED FOR GOOD INJECTION QUALITY. THIS DENT SHAPE WILL NOT AFFECT CONNECTR FUNCTION. DENT SHAPE SHOWN ON DRAWING IS JUST FOR REFERENCE. DENT SHAPE AND QUANTITY MIGHT CHABGE FROM DIFFERENT PIN COUNT AND DIFFERENT TOOLING.
- CONTACT POINT: TOP AND BOTTOM CONTACT



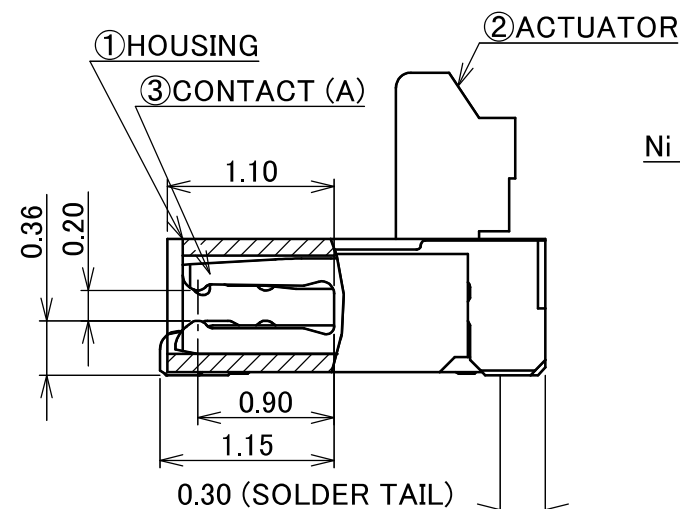
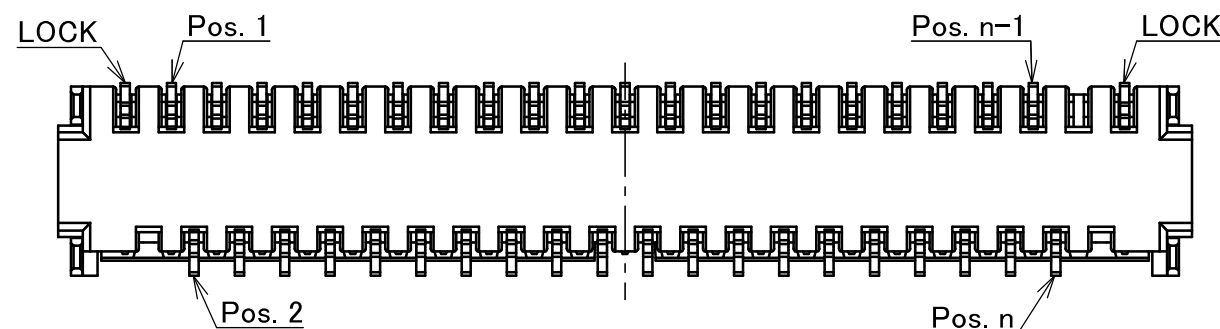
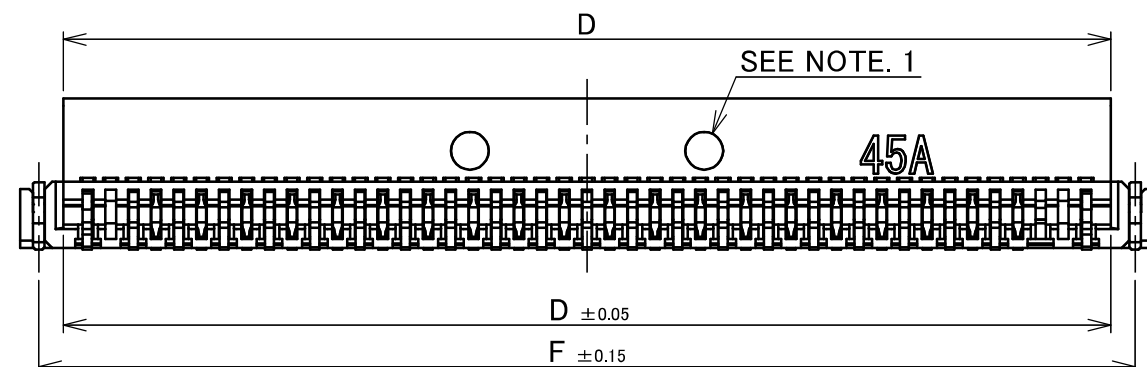
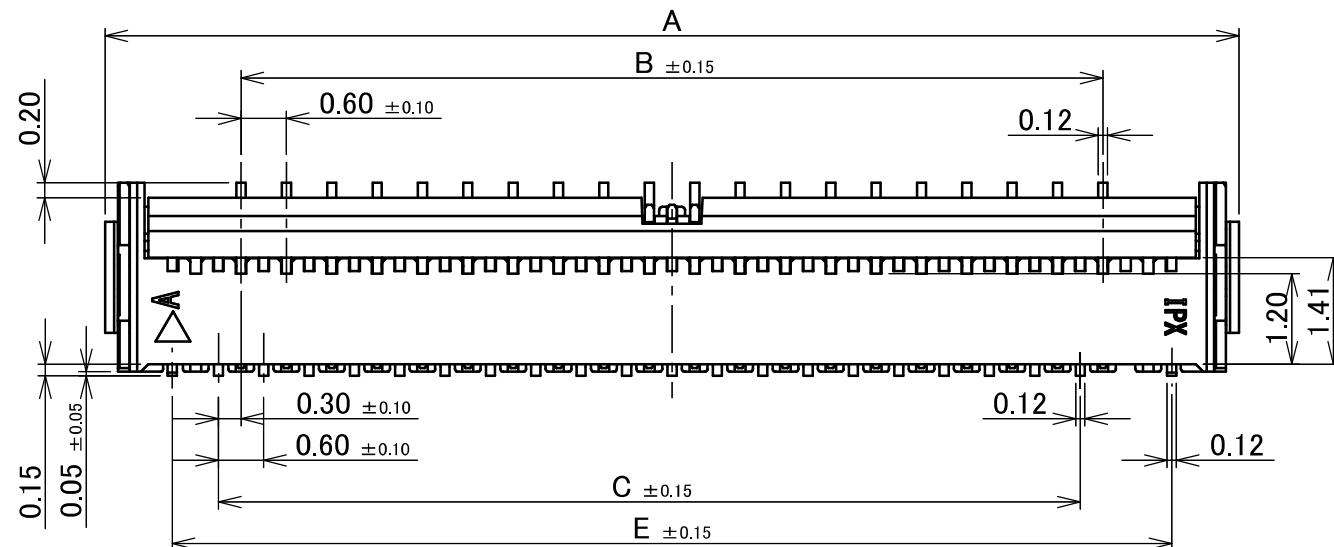
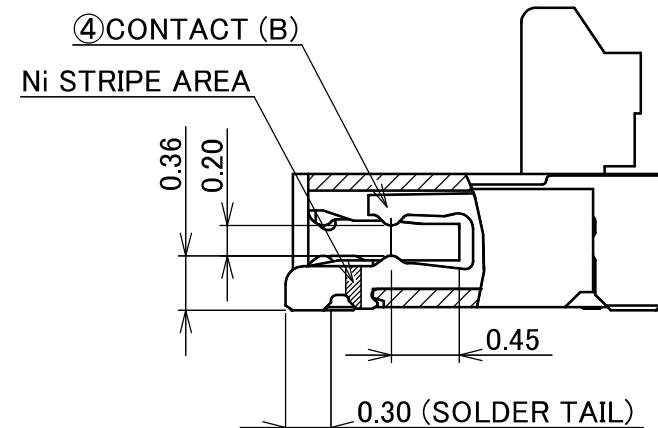
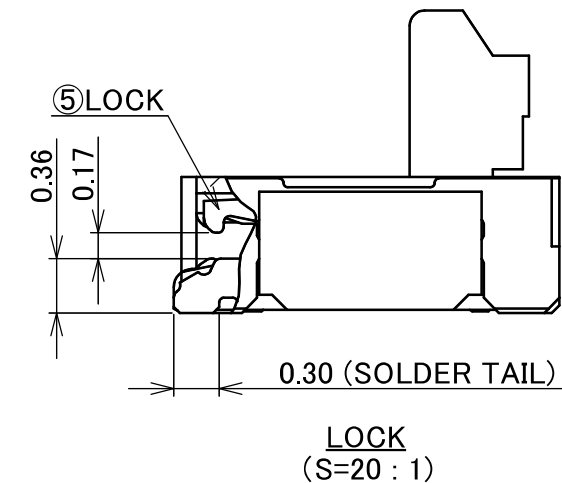
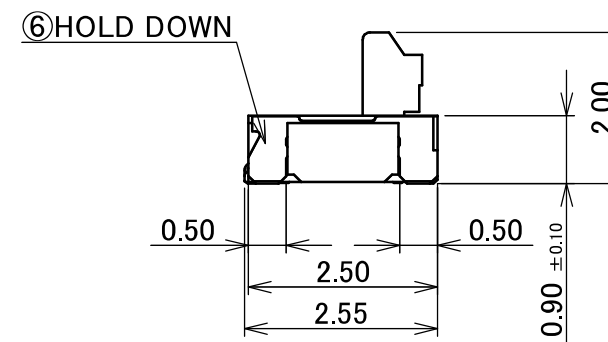
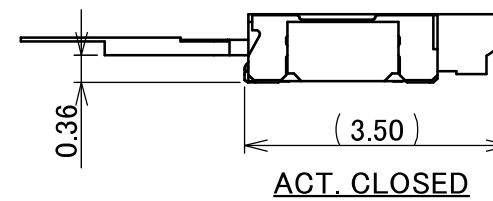
VISIT OUR WEBSITE FOR LATEST VERSIONS OF INSTRUCTION MANUAL NO. HIM-12007 TO HANDLE THE PRODUCT PROPERLY AND SAFELY.

TABLE 1

PART NO.		FINISH	
20655-0**E-01		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.	
6	HOLD DOWN	PHOSPHOR BRONZE	Sn 2~6 μ m OVER Ni 1.00 μ m MIN.
5	LOCK	PHOSPHOR BRONZE	SOLDERLING AREA: Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
4	CONTACT (B)	PHOSPHOR BRONZE	SEE TABLE 1, WITH Ni STRIPE
3	CONTACT (A)	PHOSPHOR BRONZE	SEE TABLE 1
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSNIG	LCP	UL94V-0, BEIGE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

10	ZC01047	S.Tan	2026/10/14	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R0	CUSTOMER COPY		
9	Z201273	M.M	2020/12/10	Y.S	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
8	Z191376	M.M	2019/10/15	H.I	GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFN L-LK-HD	SCALE 10:1 UNIT mm	I-PEX		
7	Z181440	T.O	2018/11/02	H.I	DWG.	Y.Shimada	DATE	2015/01/22					
6	Z181291	T.O	2018/10/01	H.I	CHK.	J.Tateishi							
5	Z170480	H.A	2017/04/24	Y.S									
REV.	ECN	BY	DATE	APP.									
REVISION RECORD					E.Kawabe				DWG. No. 20655		SIZE A3	SHEET 1/7	REV. 10

EVEN NUMBER POS.

EVEN NUMBER PIN
(S=20 : 1)ODD NUMBER PIN
(S=20 : 1)

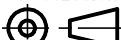
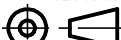
NOTES.

- THIS DENT SHAPE IS PURPOSED FOR GOOD INJECTION QUALITY. THIS DENT SHAPE WILL NOT AFFECT CONNECTR FUNCTION. DENT SHAPE SHOWN ON DRAWING IS JUST FOR REFERENCE. DENT SHAPE AND QUANTITY MIGHT CHABGE FROM DIFFERENT PIN COUNT AND DIFFERENT TOOLING.
- CONTACT POINT: TOP AND BOTTOM CONTACT



CAUTION

VISIT OUR WEBSITE FOR LATEST VERSIONS OF INSTRUCTION MANUAL NO. HIM-12007 TO HANDLE THE PRODUCT PROPERLY AND SAFELY.

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R0				
GENERAL TOLERANCE.					TITLE MINIFLEX® 3-BFN L-LK-HD		SCALE		
DWG.		DATE					10:1		
CHK.							UNIT		
APP.							mm		
				DWG. No.	20655	SIZE	SHEET	REV.	
						A3	2/7	10	

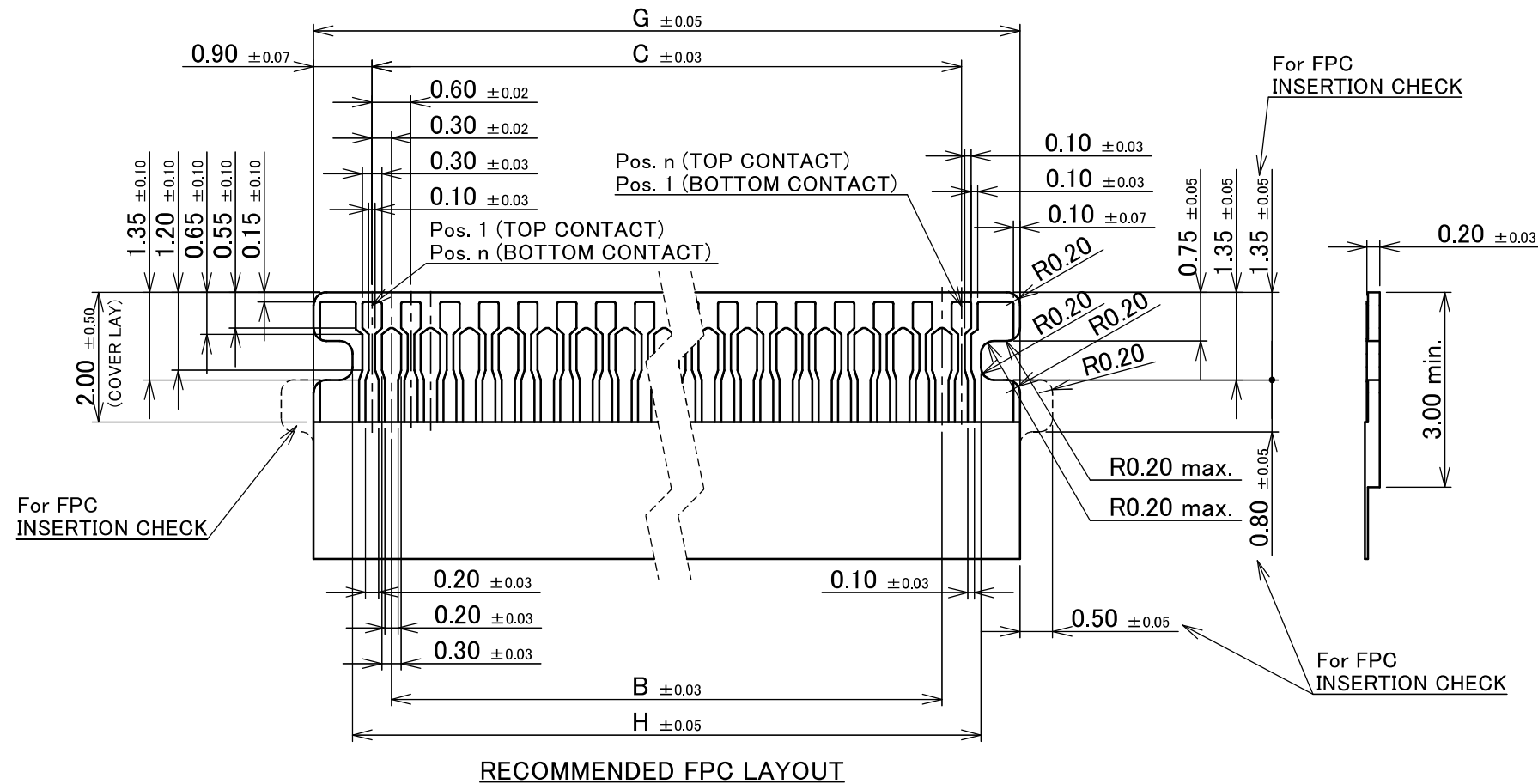
ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC/DC (PER CONTACT)
RATING AMPERAGE	0.3A DC (PER CONTACT)
OPERATING TEMPERATURE	233~358K(-40℃~85℃)
OPERATING HUMIDITY	20~80%RH (NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20 CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL / 20 CYCLES 0.21N (21gf) $\times$ (n + 2) MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL / 20 CYCLES 0.014N (1.4gf) $\times$ (n + 2) MIN.
FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL: 0.13N (13gf) $\times$ n + 1.0N MIN. / AFTER TEST: 0.10N (10gf) $\times$ n + 1.0N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2077
TEST REPORT	TR-15027
PACKING STANDARD	PST-15018
INSTRUCTION MANUAL	HIM-12007
APPEARANCE CRITERIA No.	QLS-A***

※ “n” IS THE NUMBER OF PIN

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R0	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFN L-LK-HD		SCALE	I-PEX	
DWG.	DATE					UNIT		
CHK.						mm		
APP.						DWG. No.	SIZE	SHEET
				20655	A3	3/7	10	

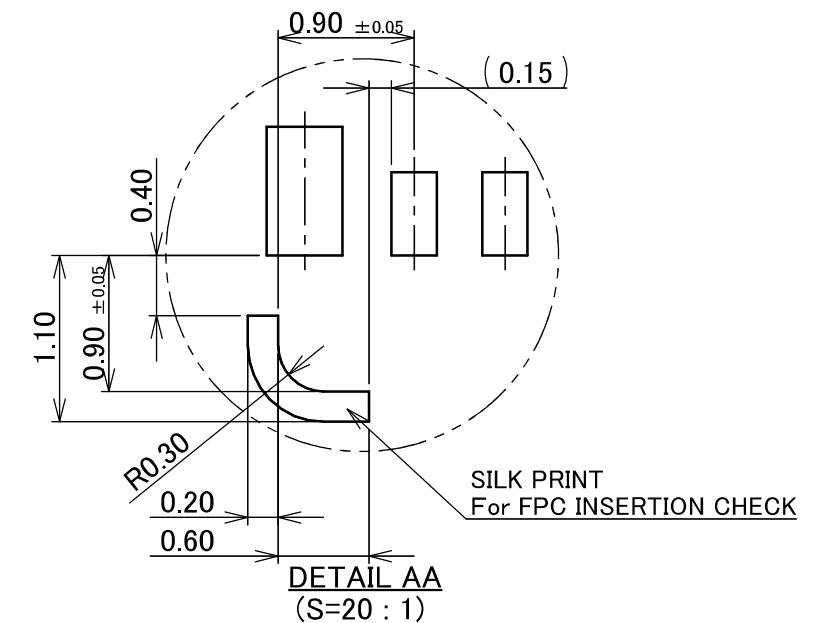
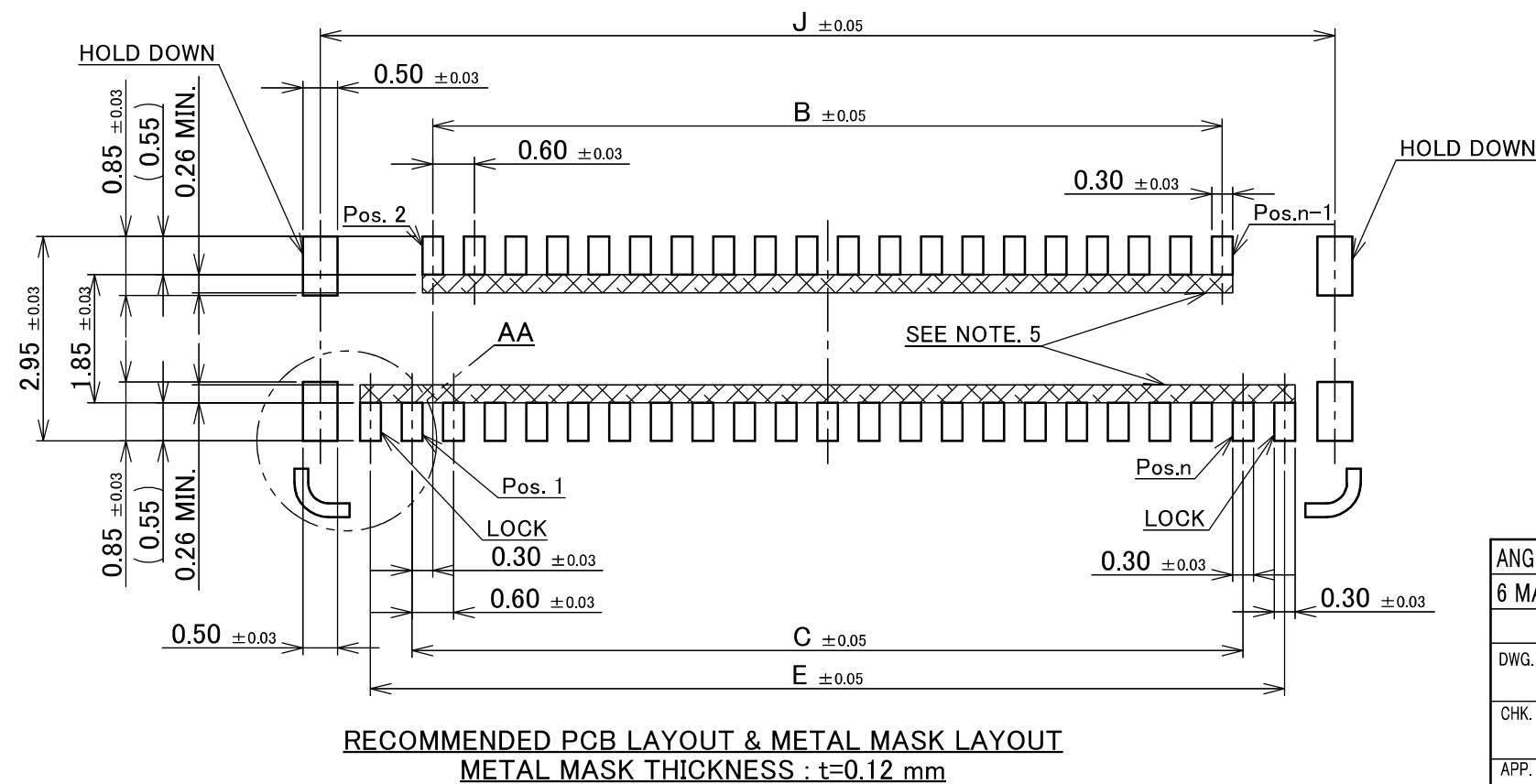
ODD NUMBER POS.

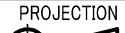
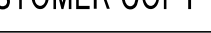
PART NO.	Pos.	B	C	E	G	H	J
20655-011E-01	11P	2.40	3.00	4.20	4.80	3.60	5.65
20655-045E-01	45P	12.60	13.20	14.40	15.00	13.80	15.85

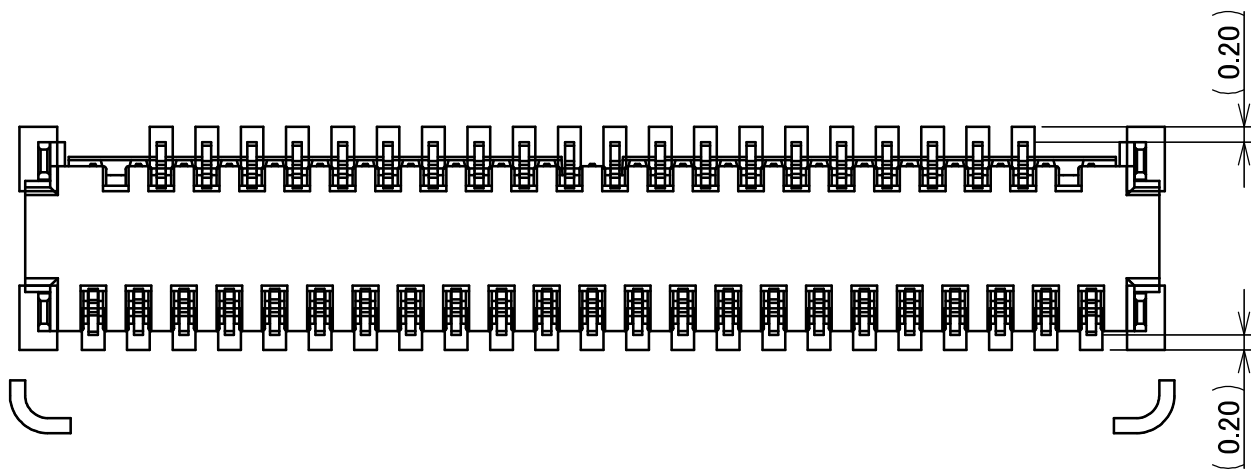


NOTES

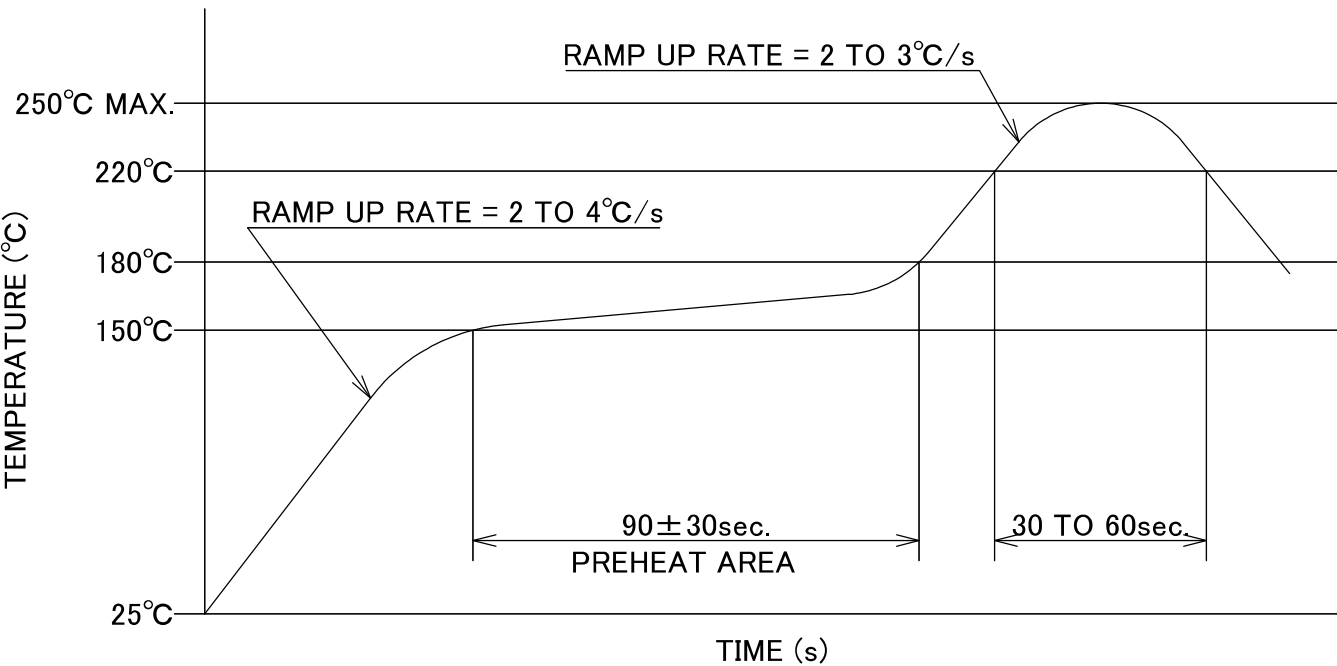
3. MATERIAL
 - COVER FILM : PI
 - CONDUCTOR : COPPER(RARE)
 - BASE FILM : PI
 - STIFFENER : PI
 - ADHESIVE: THERMOSETTING ADHESIVE
4. FINISH
 - Au OVER Ni UNDER PLATING.
5. SOLDER RESIST SHALL BE APPLIED TO PREVENT SHORT CIRCUITS WHEN PLACING SIGNAL LINES ON GROUND AREA.



ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R0	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.					SCALE 10:1 UNIT mm			
DWG. DATE								
CHK.								
APP.								
				DWG. No.	20655	SIZE	SHEET	REV.
						A3	4/7	10



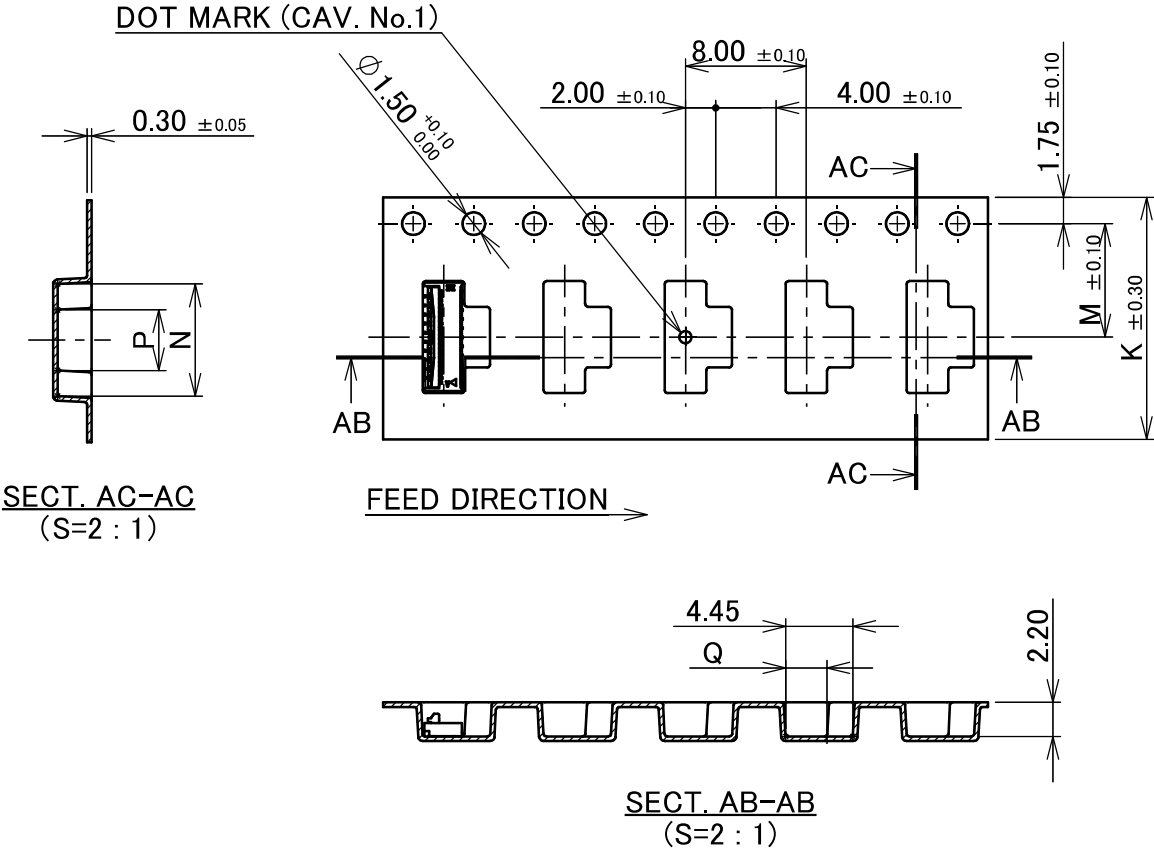
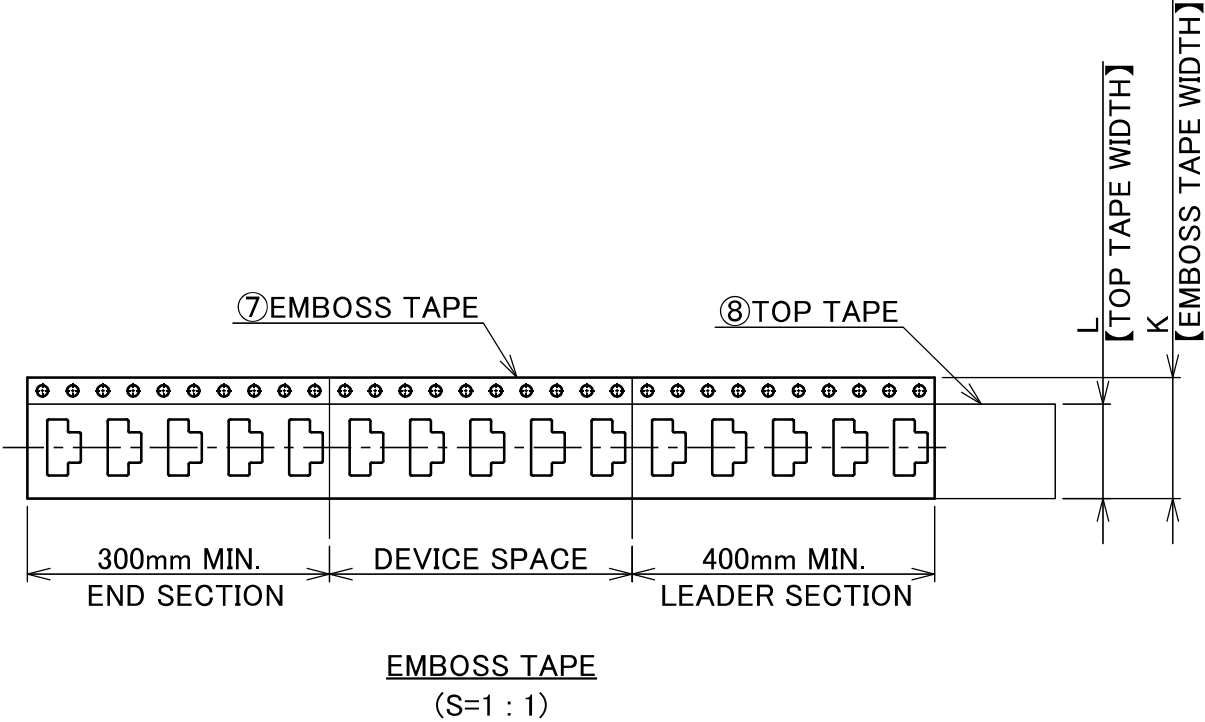
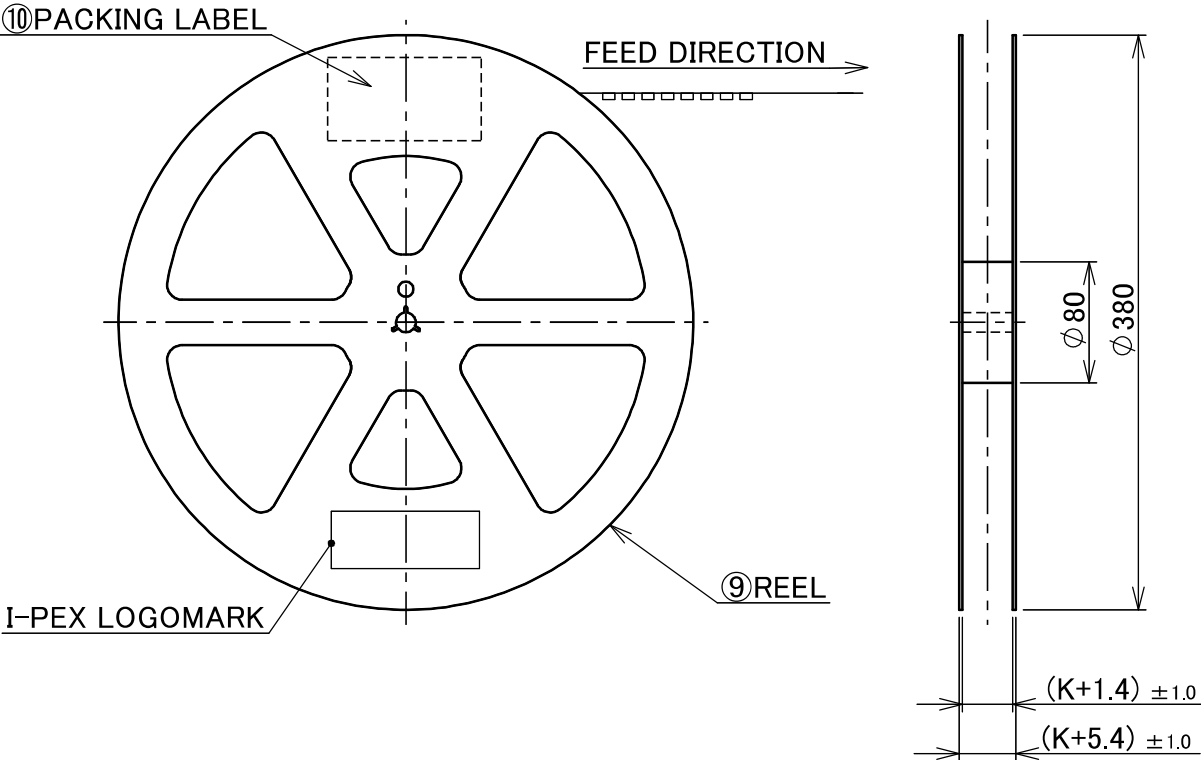
CONNECTOR ON RECOMMENDED PCB LAYOUT



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. R0	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFN L-LK-HD		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20655	SIZE	SHEET	REV.
						A3	6/7	10

DEVICE P/N	K	L	M	N	P	Q	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20655-011E-01	16.0	13.5	7.50	6.20	4.00	2.75	4,000 / REEL	7 / CARTON = 28,000
20655-040E-01	24.0	21.5	11.50	15.40	8.00	2.95		5 / CARTON = 20,000
20655-045E-01				16.60				



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

10	PACKING LABEL	-	-
9	REEL	PS	BLACK
8	TOP TAPE	PET TRANSPARENCY	ANTI-STATIC TYPE HEAT WELDING TYPE
7	EMBOSS TAPE	PS TRANSPARENCY	ANTI-STATIC TYPE
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		R0			
GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFN L-LK-HD		SCALE	I-PEX	
DWG.	DATE					1:5		
CHK.						UNIT		
APP.						mm		
				DWG. No.	SIZE	SHEET	REV.	
				20655	A3	7/7	10	