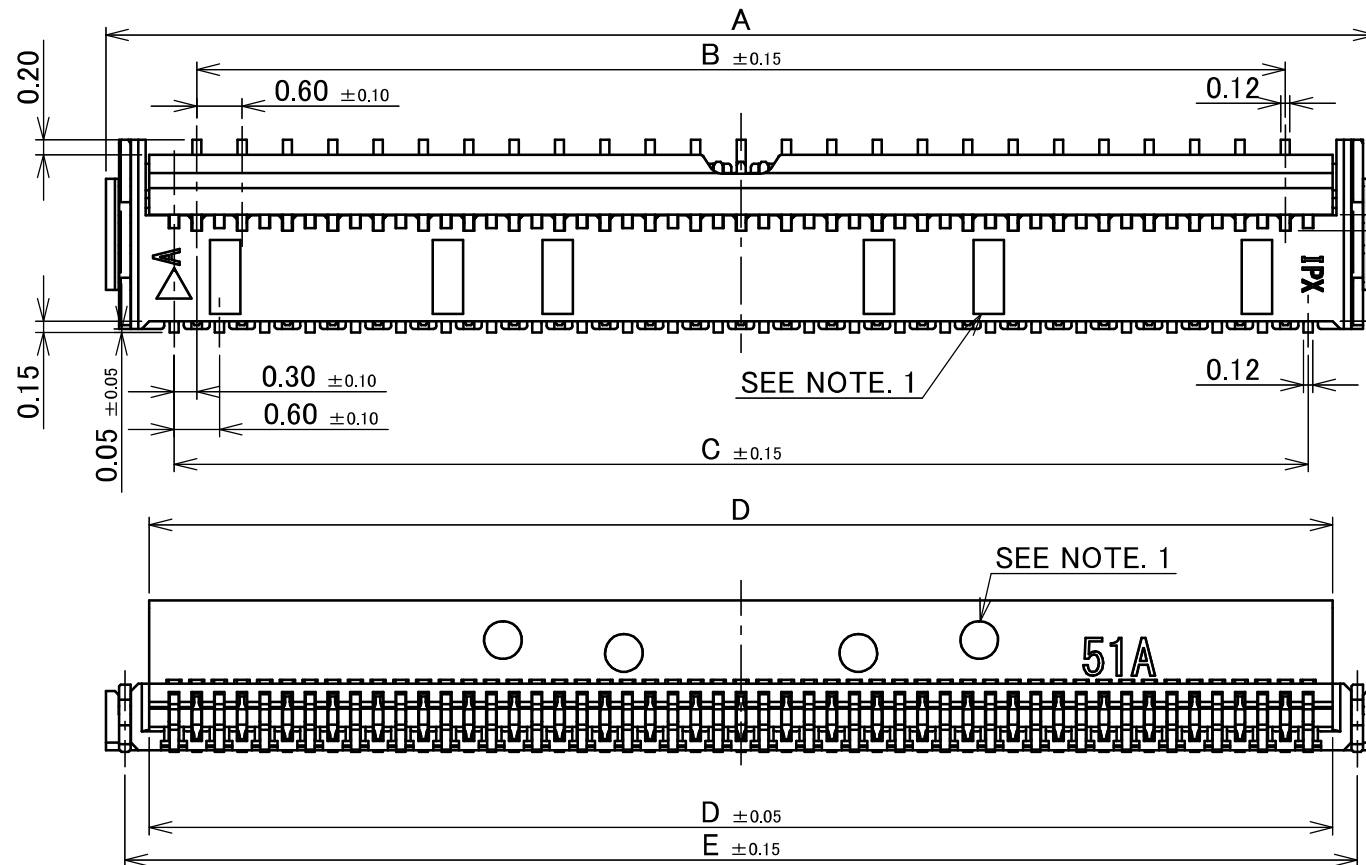


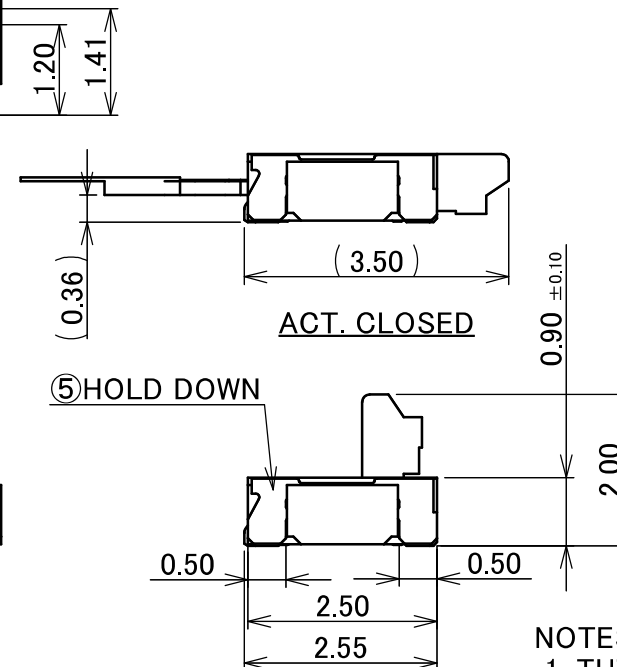
PART NO.	Pos.	A	B	C	D	E
20982-051E-01	51P	16.80	14.40	15.00	15.65	16.30



Halogen Free



RoHS Compliant



NOTES.

1. 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.
2. 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.

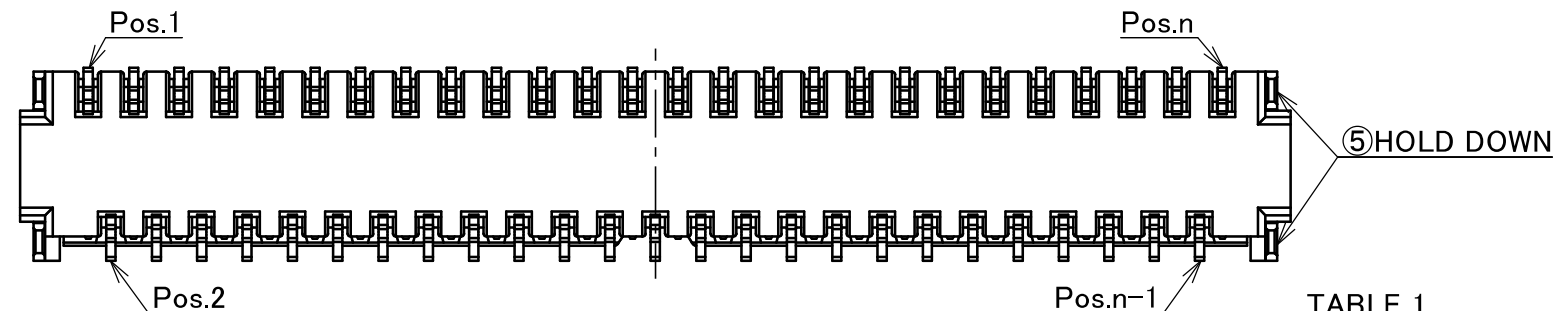
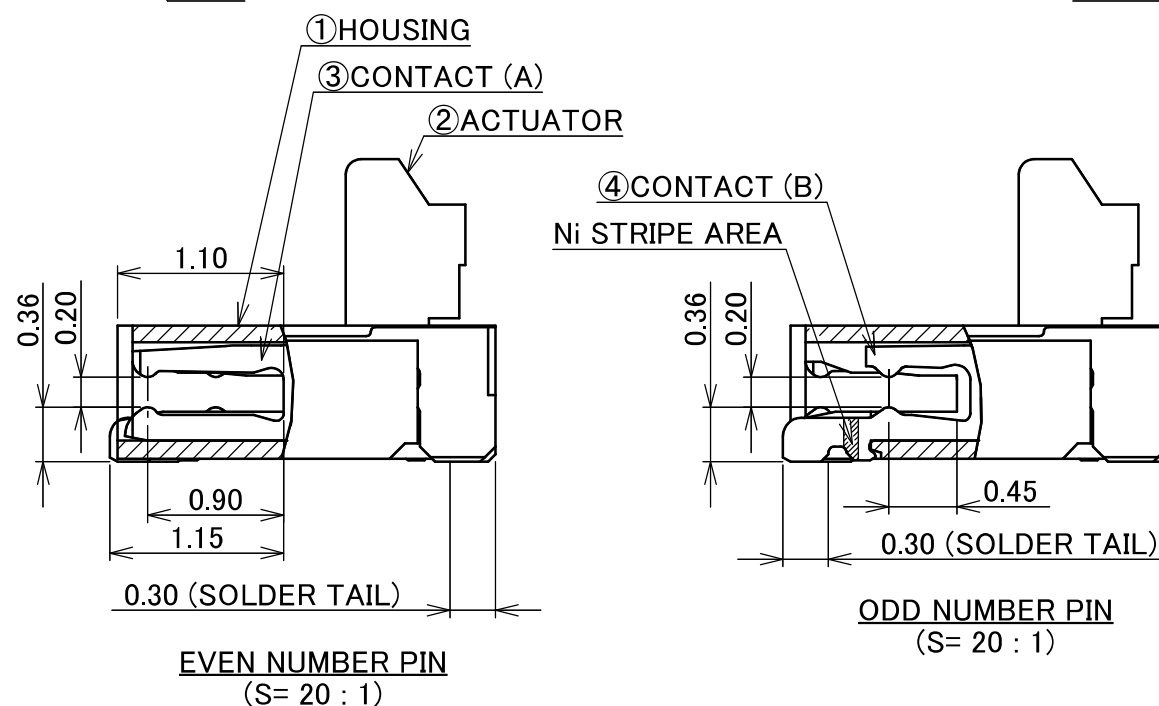
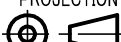


TABLE 1

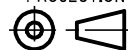
PART NO.		FINISH	
20982-0**E-01		CONTACT AREA : Au 0.10 μ m MIN. OVER Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.	
5	HOLD DOWN	PHOSPHOR BRONZE	Sn 2~6 μ m MIN. OVER Ni 1.00 μ m MIN.
4	CONTACT (B)	PHOSPHOR BRONZE	SEE TABLE 1, WITH Ni STRIPE
3	CONTACT (A)	PHOSPHOR BRONZE	SEE TABLE 1
2	ACTUATOR	LCP	UL94V-0, BEIGE
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS



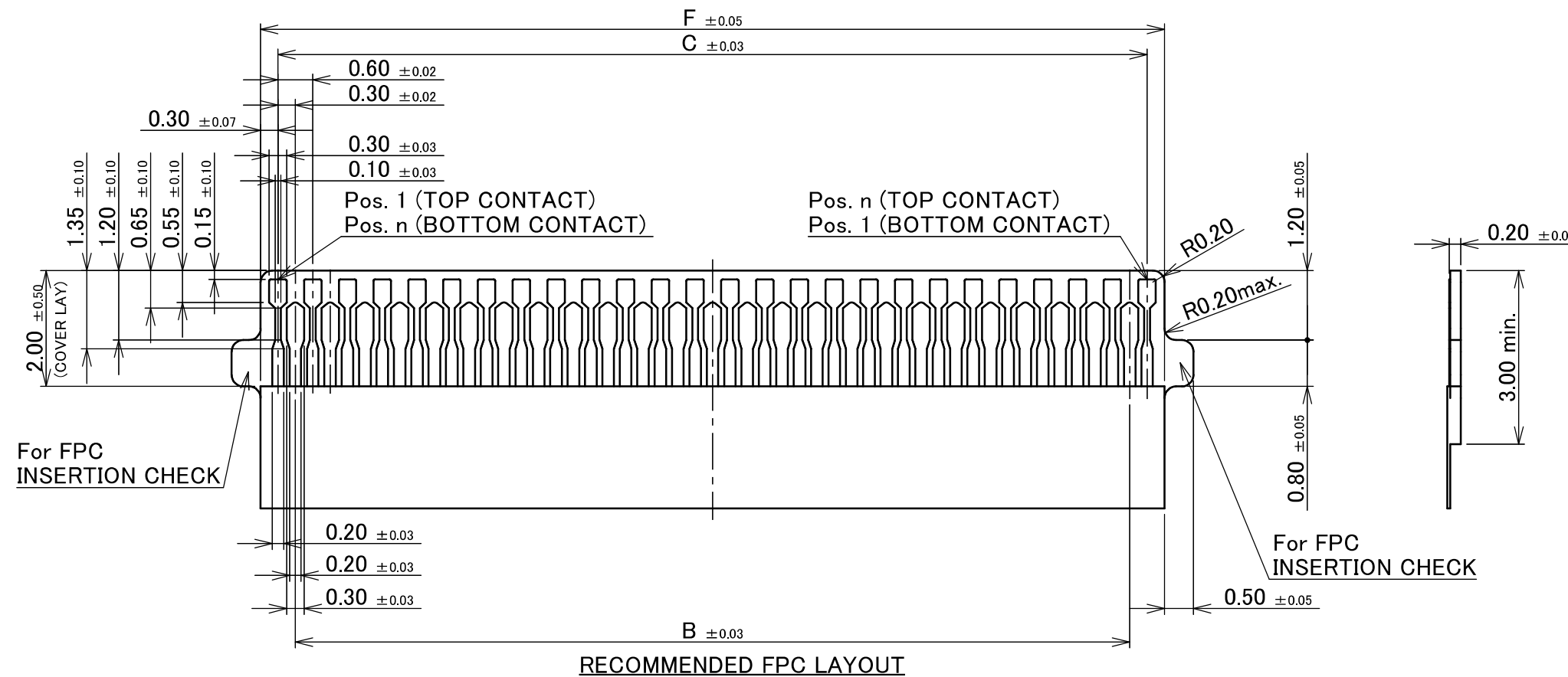
						ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R0	CUSTOMER COPY			
						6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
						GENERAL TOLERANCE.				TITLE MINIFLEX® 3-BFN L-HD		SCALE	I-PEX		
					DWG.				DATE			10:1			
1	ZC01039	S.Tan	2026/10/09	H.I	S.Shigekoshi			2021/03/24				UNIT			
0	Z210315	S.Sh	2021/03/24	—	CHK.							mm			
REV.	ECN	BY	DATE	APP.					M.Muro			SIZE	SHEET	REV.	
					APP.				DWG. No.						
REVISION RECORD					H.Ikari				20982			A3	1/5	1	

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (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 / 20 CYCLES)	INITIAL / 20 CYCLES 0.21N (21gf) × n MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20 CYCLES)	INITIAL / 20 CYCLES 0.014N (1.4gf) × 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-2650
TEST REPORT	TR-20010
PACKING STANDARD	PST-15093
INSTRUCTION MANUAL	HIM-12007
APPEARANCE CRITERIA No.	QLS-A***

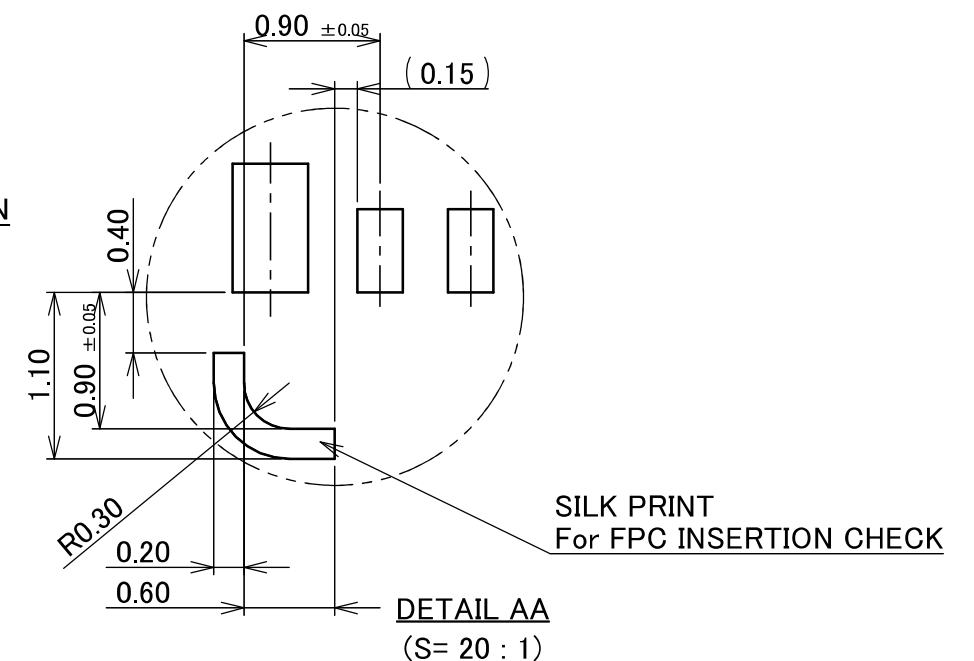
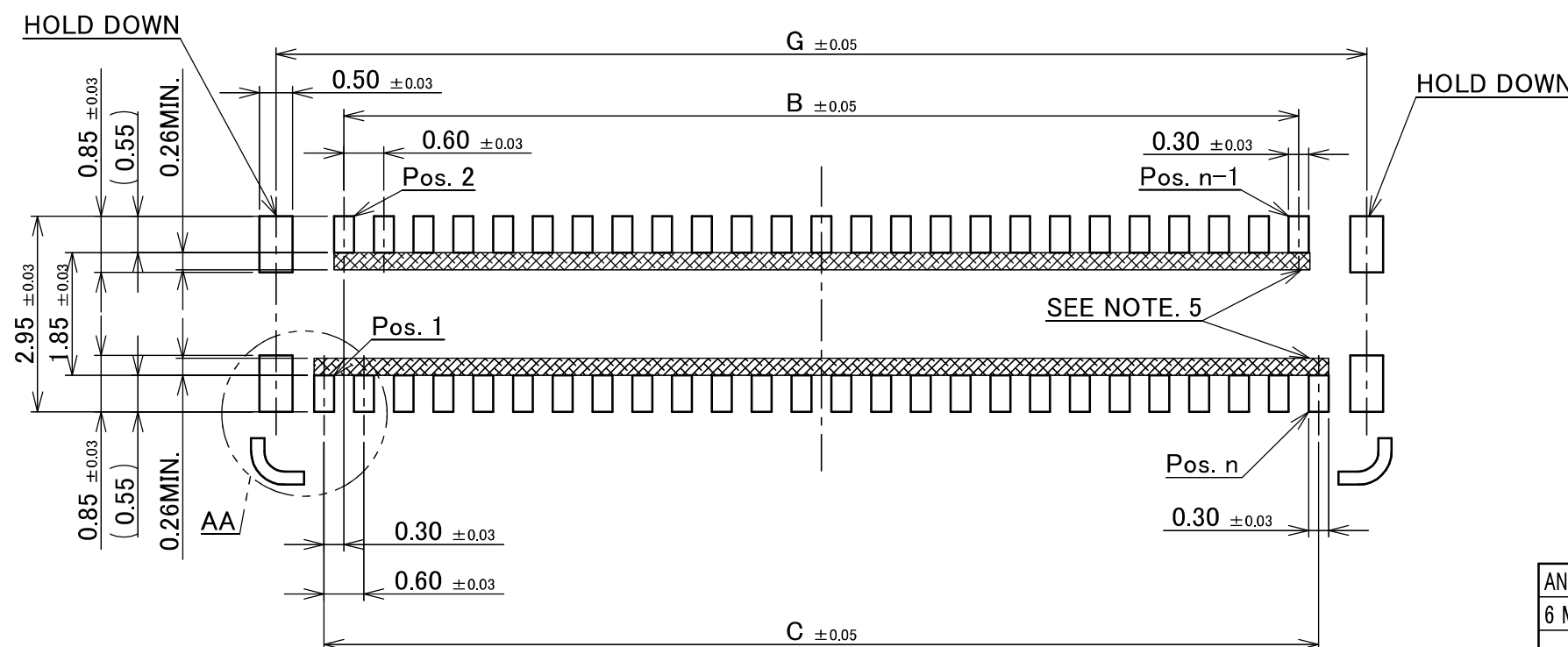
※ “n” IS THE NUMBER OF PIN

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-HD		SCALE					
DWG.	DATE					UNIT					
CHK.						mm					
APP.						SIZE	SHEET	REV.			
				DWG. No. 20982		A3	2/5	1			

PART NO.	Pos.	B	C	F	G
20982-051E-01	51P	14.40	15.00	15.60	16.45

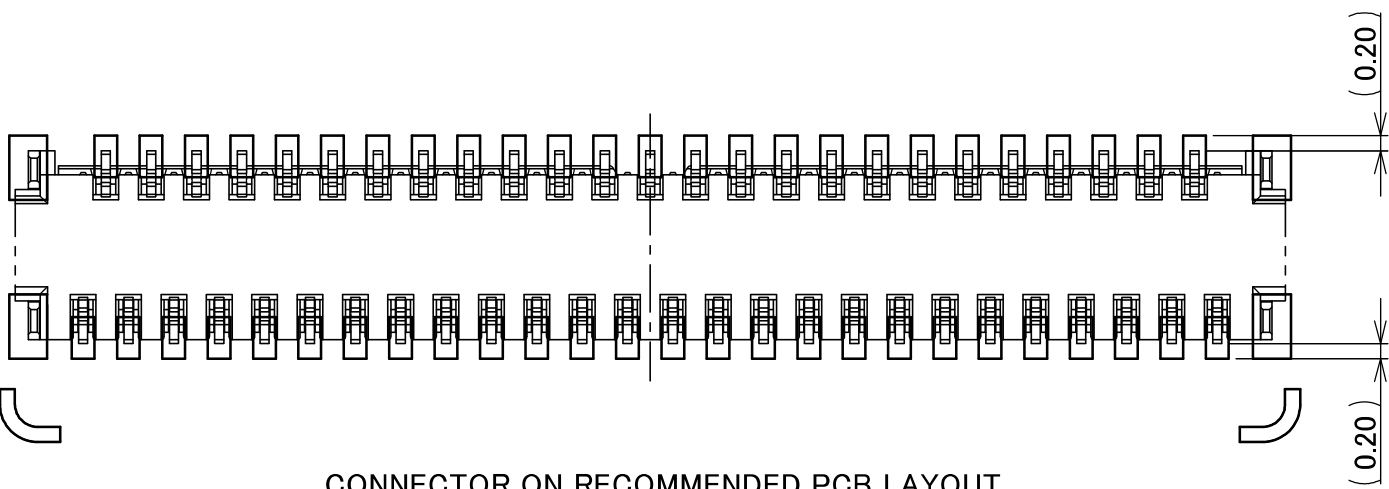


- NOTES.
3. MATERIAL
COVER FILM : PI
CONDUCTOR : COPPER(RARE)
BASE FILM : PI
STIFFENER : PI
ADHESIVE : THERMOSETTING ADHESIVE
 4. FINISH
Au OVER Ni UNDER PLATING.
 5. SOLDER RESIST SHALL BE APPLIED TO PREVENT SHORT CIRCUITS WHEN PLACING SIGNAL LINES ON GROUND AREA.

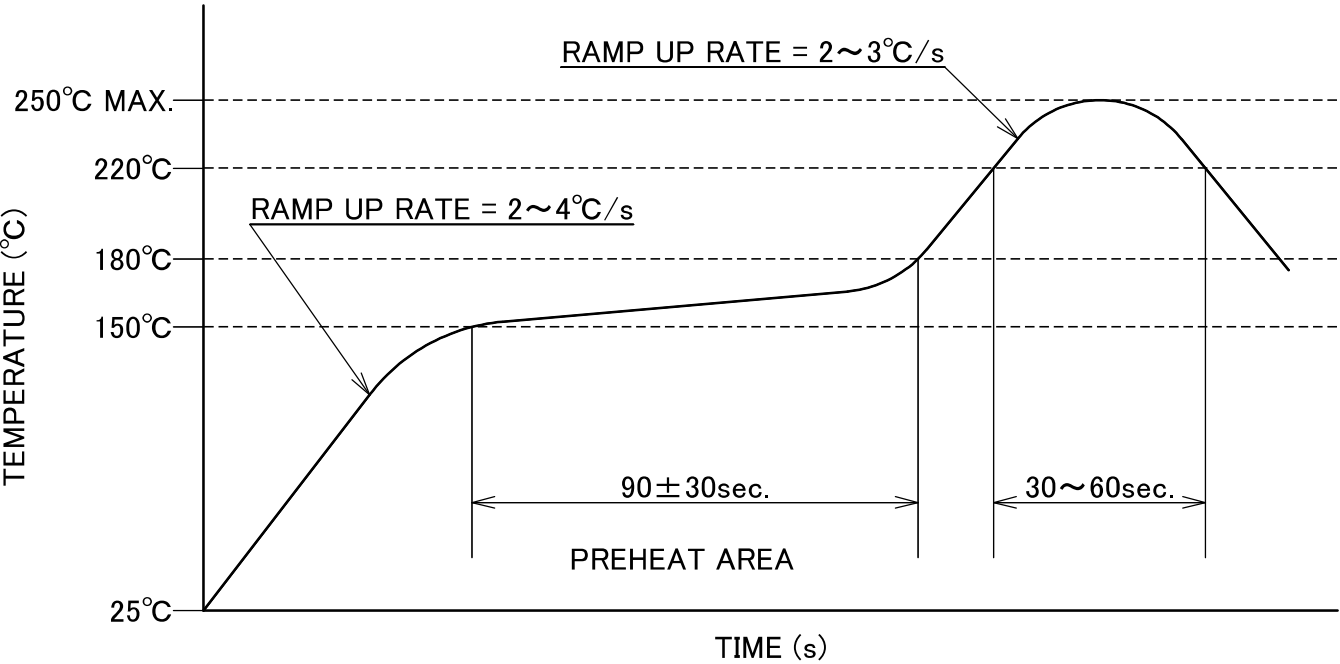


RECOMMENDED PCB LAYOUT & METAL MASK LAYOUT
METAL MASK THICKNESS : $t=0.12\text{mm}$

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-HD		SCALE			
DWG.		DATE				10:1			
CHK.						UNIT			
						mm			
APP.									
				DWG. No.	20982	SIZE	SHEET	REV.	
						A3	3/5	1	



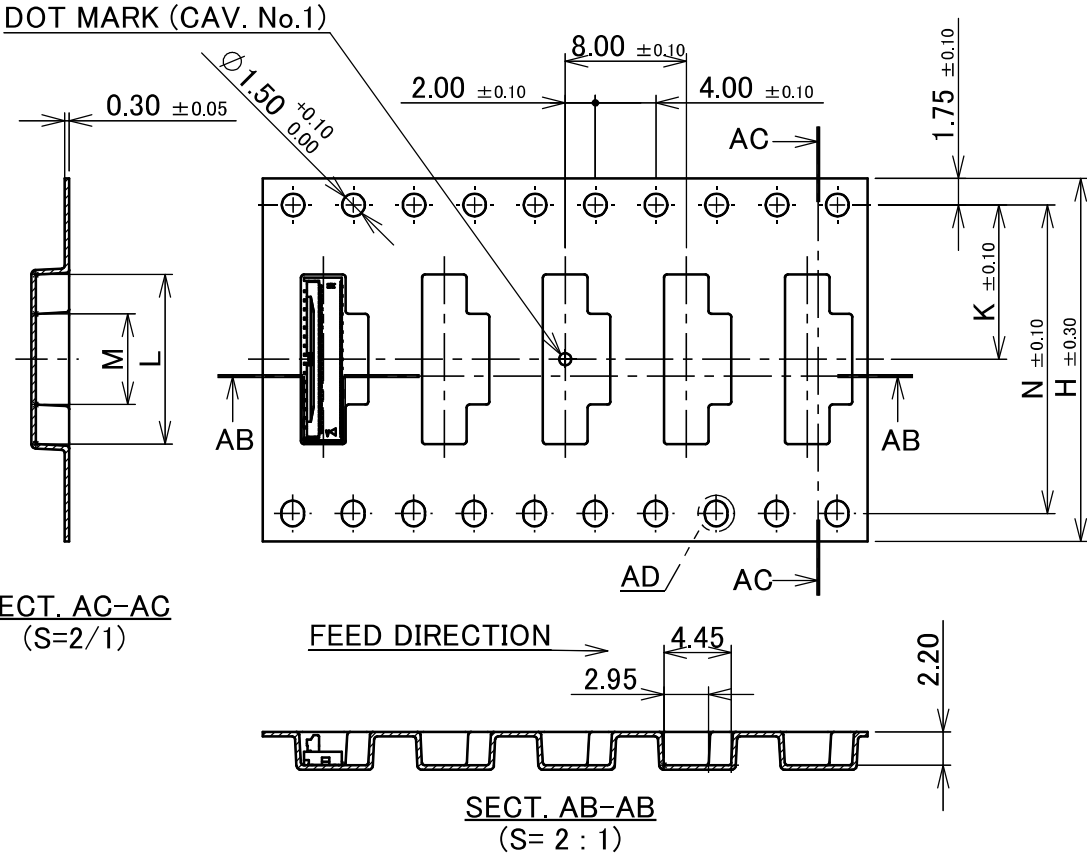
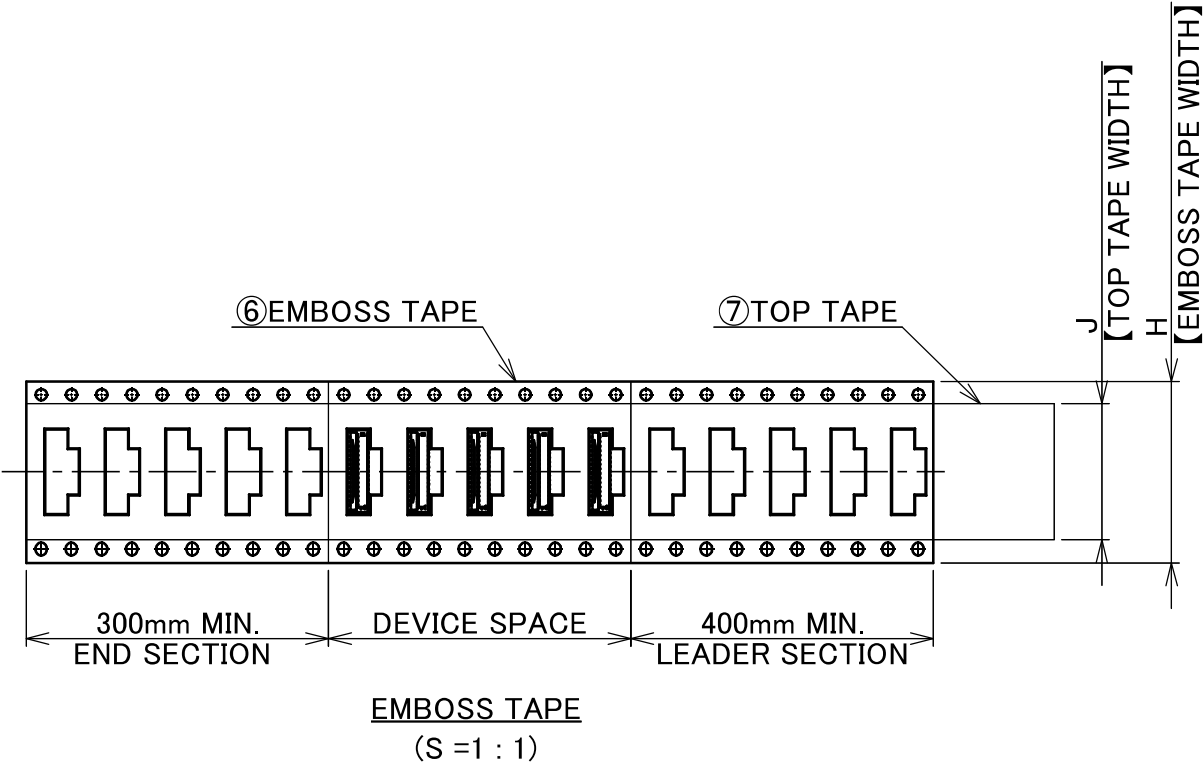
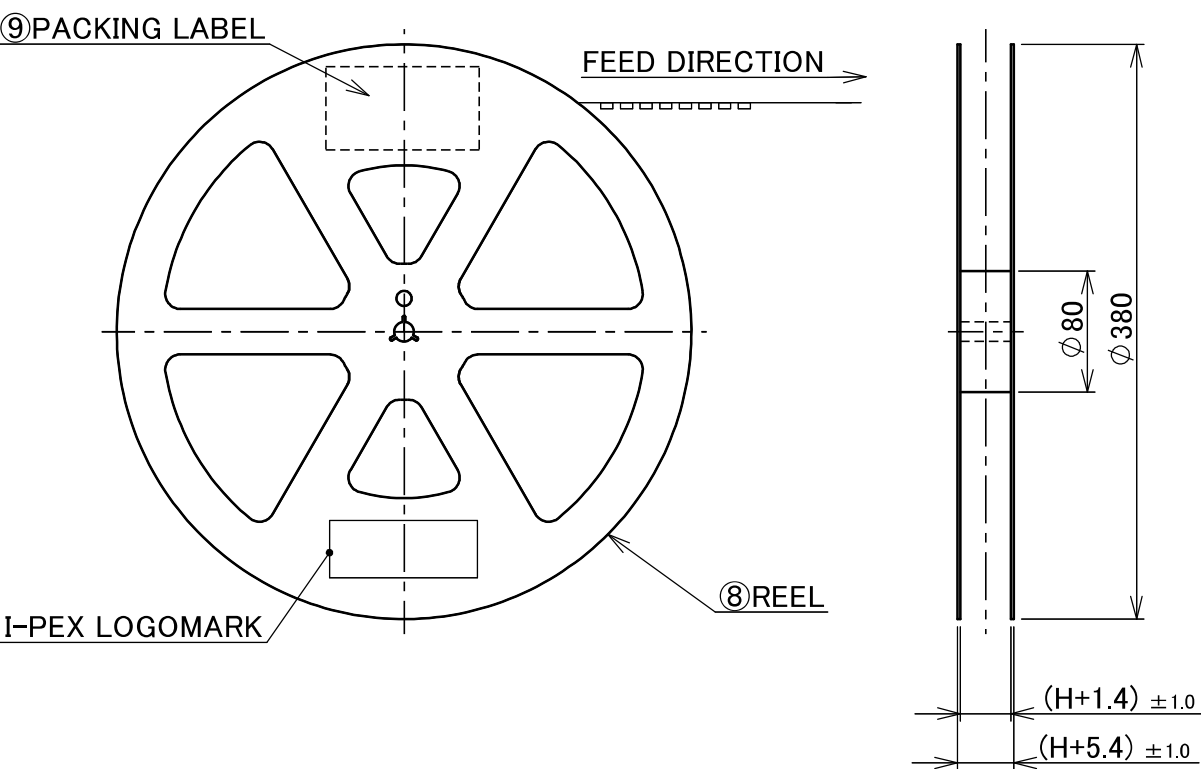
CONNECTOR ON RECOMMENDED PCB LAYOUT



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-HD		SCALE	I-PEX	
DWG.	DATE					10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20982		SIZE	SHEET	REV.
						A3	4/5	1

DEVICE P/N	H	J	K	L	M	N	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20982-051E-01	32.0	26.0	14.20	17.20	8.00	28.40	4,000 / REEL	4 / CARTON = 16,000



- 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.

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

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-HD		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
			mm					
APP.				DWG. No.		SIZE	SHEET	REV.
20982				A3	5/5	1		