

Recommended P/N 20818-0**E

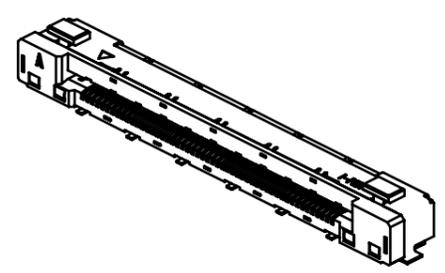
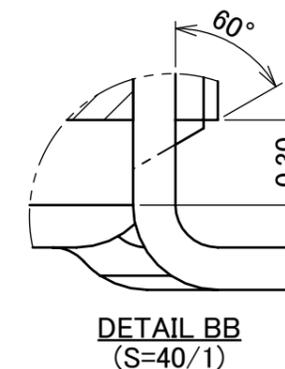
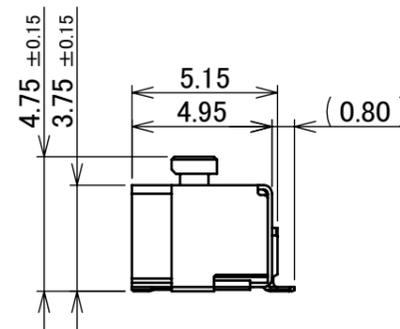
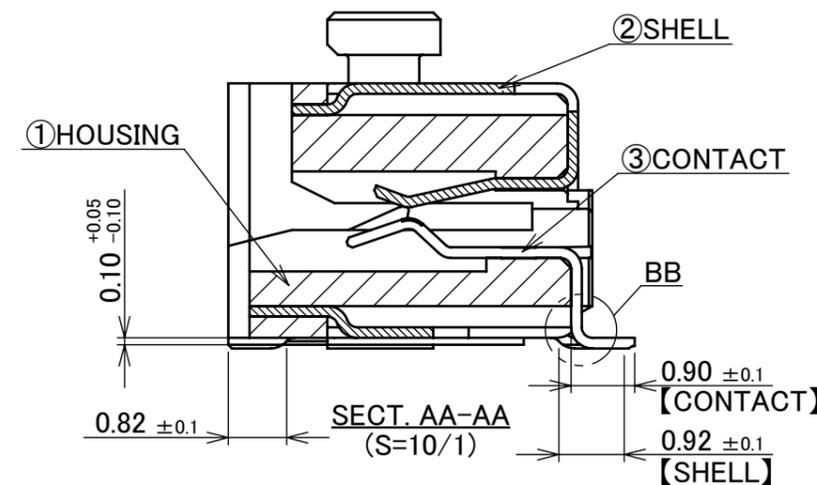
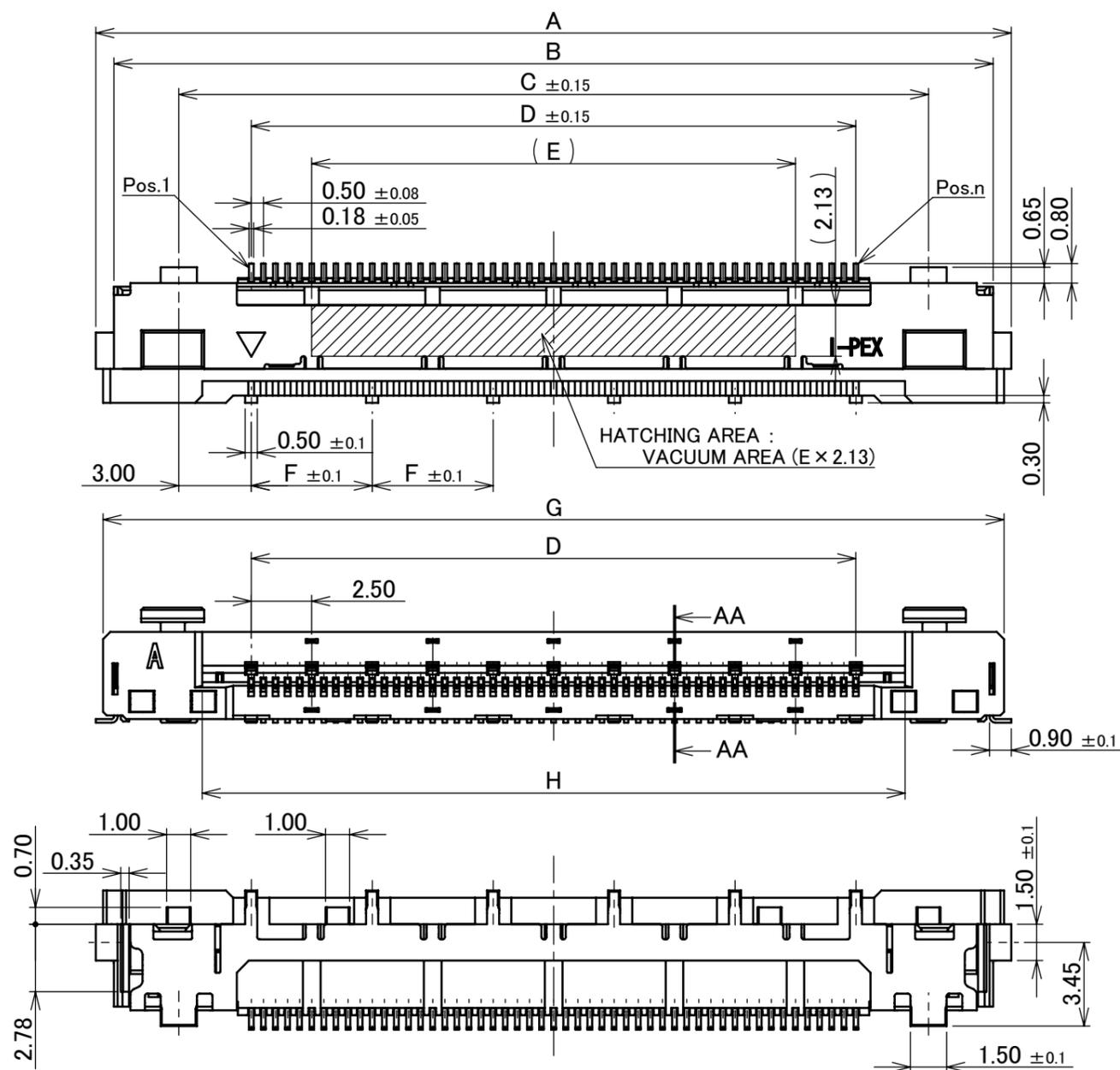
PART NO.	Pos.	A	B	C	D	E	F	G	H
20818-041E	41P	32.85	31.35	26.00	20.00	15.00	4.00	32.25	24.06
20818-051E	51P	37.85	36.35	31.00	25.00	20.00	5.00	37.25	29.06



Halogen Free



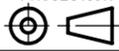
RoHS Compliant



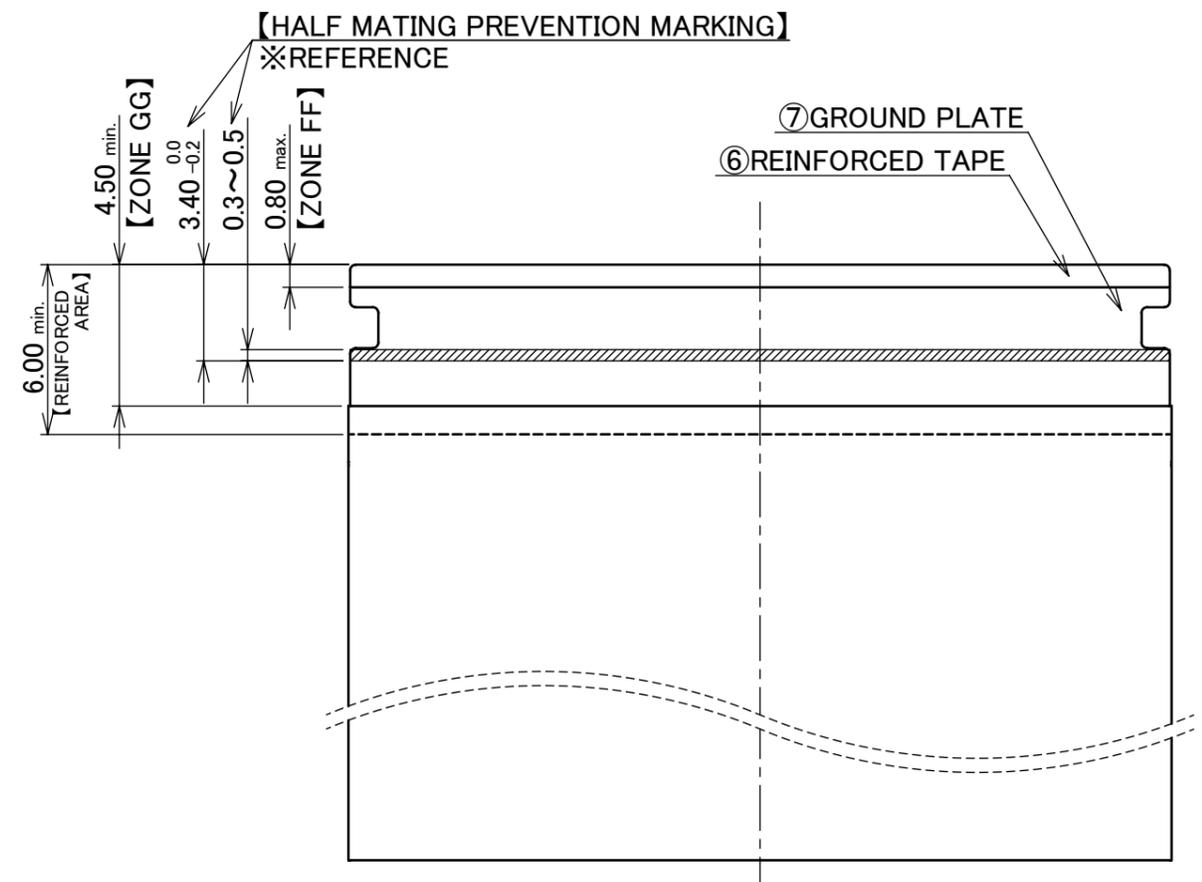
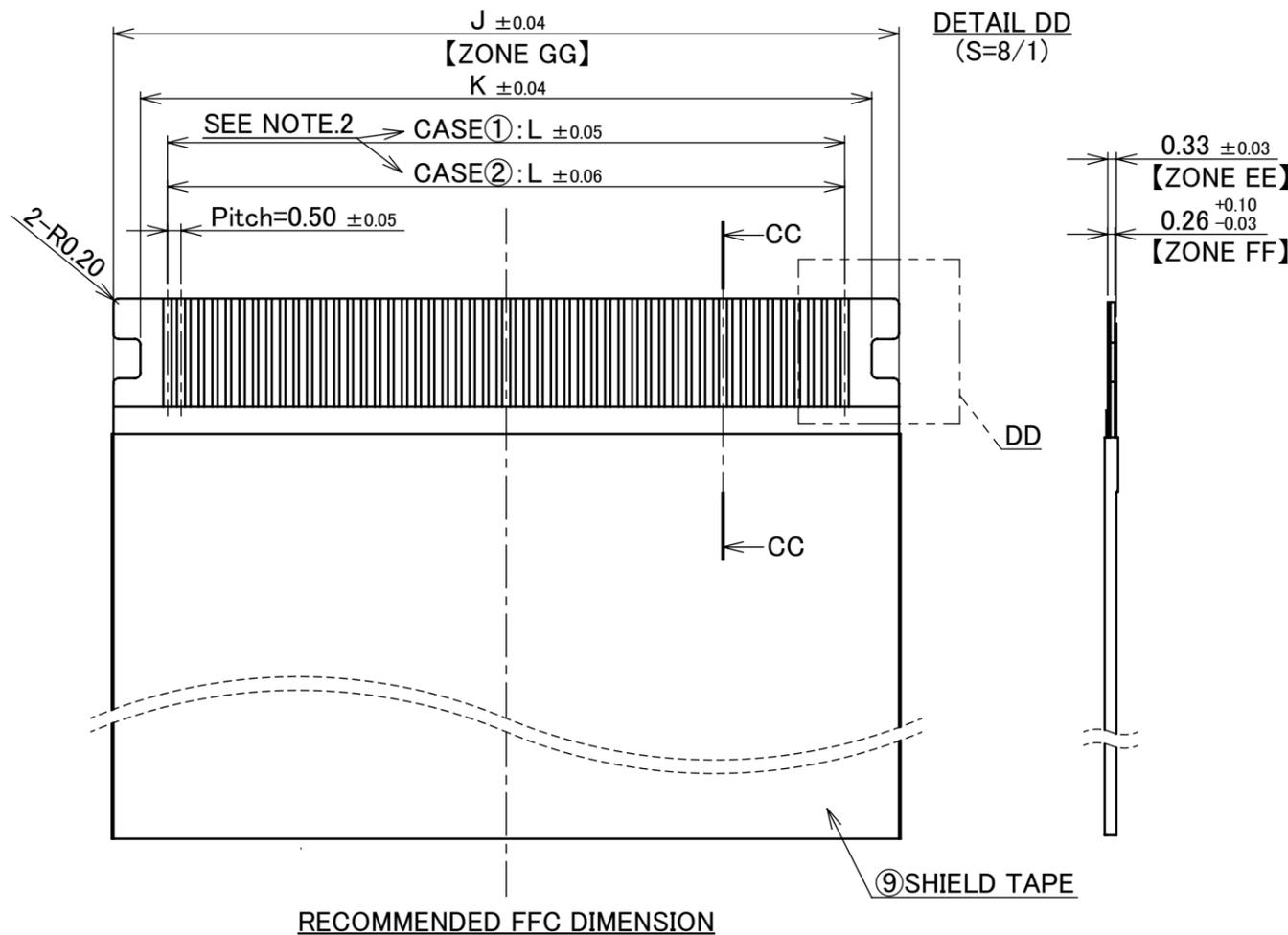
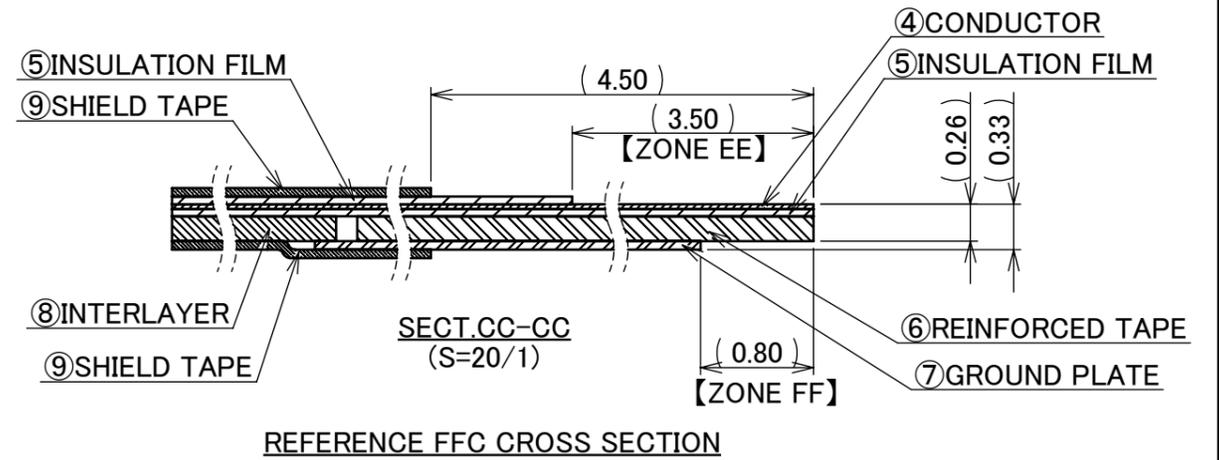
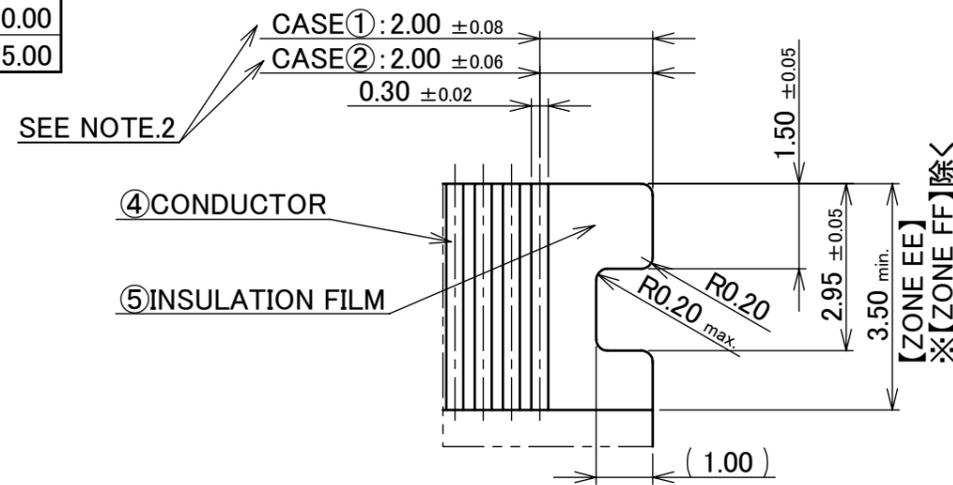
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	CONTACT	PHOSPHOR BRONZE	Au 0.03 μ mMIN. OVER Ni 1.00 μ mMIN.
2	SHELL	PHOSPHOR BRONZE	Sn 1.00 μ mMIN. OVER Ni 1.00 μ mMIN.
1	HOUSING	LCP	UL94V-0, BLACK

REV.	ECN	BY	DATE	APP.	ANGLE	PROJECTION	SERIES No.	CUSTOMER COPY
1	Z220253	K.H	Mar./09/'22	H.I	±2° 6 OVER 30 MAX. ±0.3		R0	CUSTOMER COPY
0	Z200923	S.Sh	Sept./04/'20	CHK.	6 MAX. ±0.2 30 OVER 120 MAX. ±0.5			
REVISION RECORD					GENERAL TOLERANCE.		TITLE	SCALE
					DWG. S.Shigekoshi	DATE 2020/09/04	EVAFLEX® 5	5:1
					APP. Y.Shimada			UNIT
								mm
								SIZE
								A3
								SHEET
								1/5
								REV.
								1

ITEMS	SPECIFICATION
RATING VOLTAGE	200V AC/DC (PER CONTACT PIN)
RATING AMPERAGE	0.3A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : \triangle 40mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / 30 CYCLES)	41P : 29.2N MAX. / 51P : 30.0N MAX.
UNMATING FORCE (INITIAL / 30 CYCLES)	41P : 4.25N MIN. / 51P : 5.00N MIN.
FFC RETENTION FORCE	41P : 22N MIN./ 51P : 25N MIN.
COPLANARITY	0.10mm MAX.
PRODUCT SPECIFICATION	PRS-2671
TEST REPORT	TR-20035
PACKING STANDARD	300-980
INSTRUCTION MANUAL	HIM-12001
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	$\pm 2^\circ$	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 EVAFLEX® 5	SCALE	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20818	SIZE A3	SHEET 2/5	REV. 1

PART NO.	Pos.	J	K	L
20818-041E	41P	24.00	22.00	20.00
20818-051E	51P	29.00	27.00	25.00



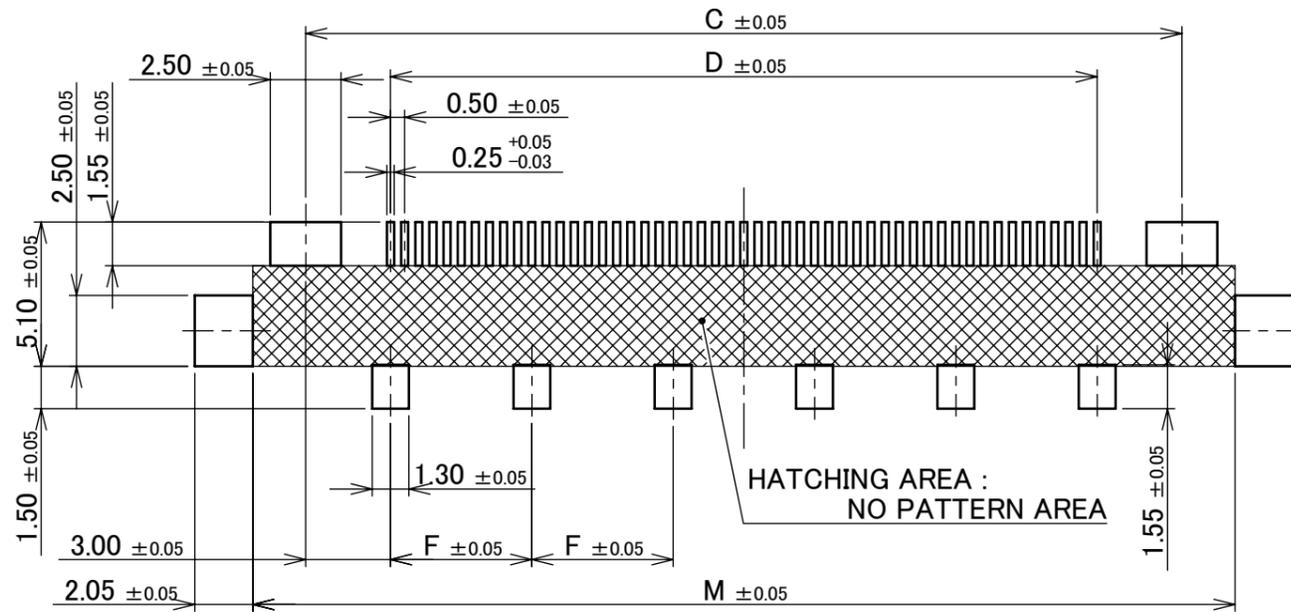
NOTES

1. DIFFERENTIAL IMPEDANCE : 100 ± 10 Ω
2. MANUFACTURE CASE① or CASE②
3. SELECT A MATERIAL WITH A SOFTENING TEMPERATURE OF 85°C OR HIGHER FOR THE PATTERN ADHESIVE PART OF FFC.

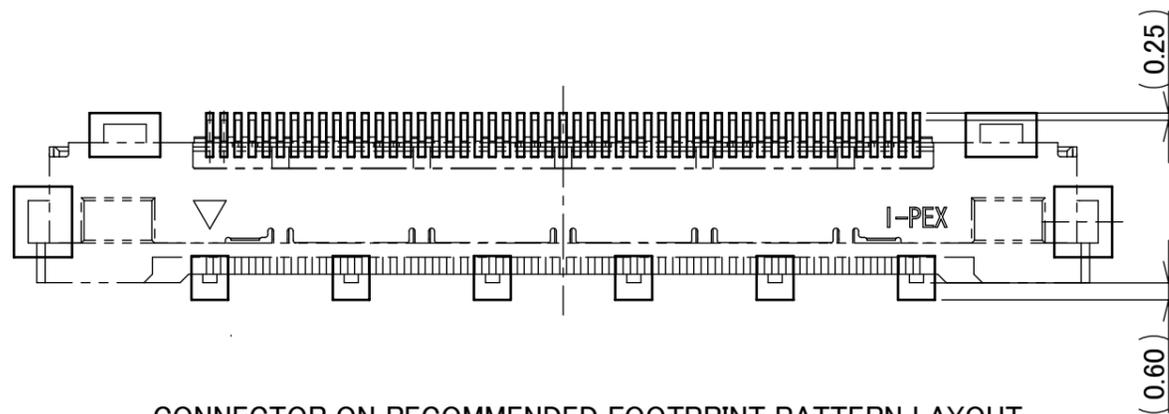
9	SHIELD TAPE	METALIC FILM	
8	INTERLAYER	ARBITRARY	
7	GROUND PLATE	METALIC FILM	POLISH or HALF POLISH Sn PLATING
6	REINFORCED TAPE	ARBITRARY	
5	INSULATION FILM	ARBITRARY	
4	CONDUCTOR	COPPER ALLOY	CONTACT AREA: Au 0.05 μ m MIN. OVER Ni 0.5 μ m MIN.
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

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 EVAFLEX® 5	SCALE 4:1	I-PEX			
DWG.	DATE								UNIT mm
CHK.									
APP.									SIZE SHEET A3 3/5
				DWG. No.	20818				

PART NO.	Pos.	C	D	F	M
20818-041E	41P	26.00	20.00	4.00	29.75
20818-051E	51P	31.00	25.00	5.00	34.75



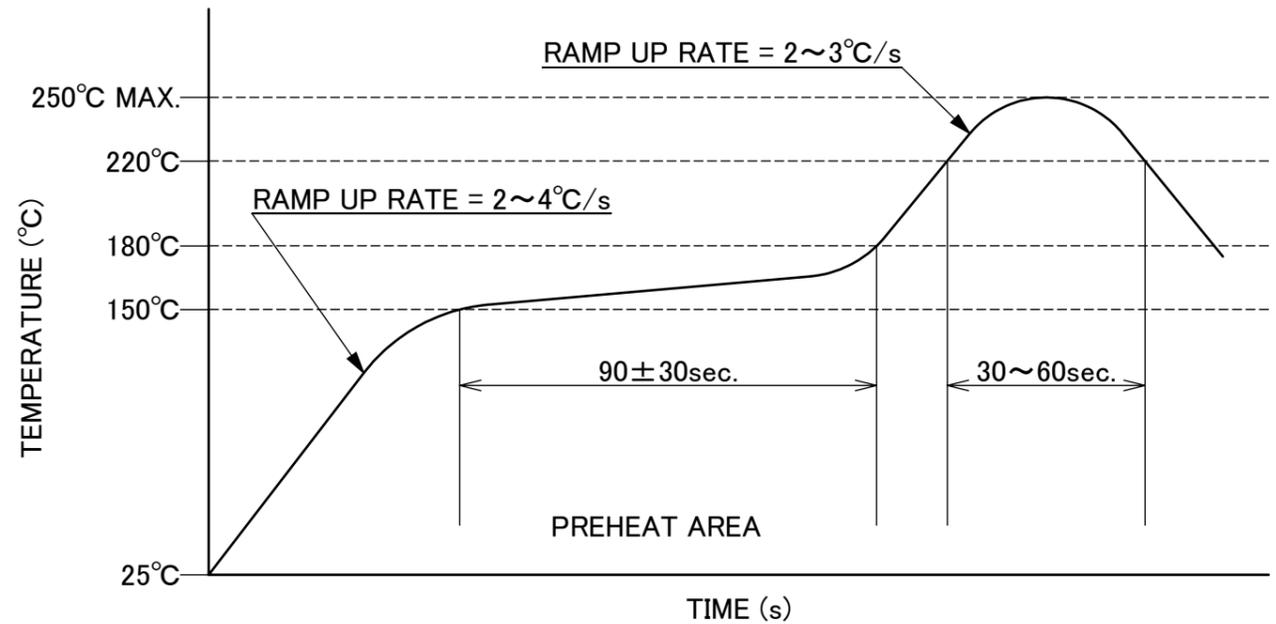
RECOMMENDED PCB LAYOUT & METAL MASK LAYOUT
METAL MASK THICKNESS : t=0.12mm



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN LAYOUT

NOTES.

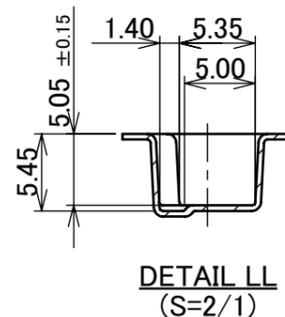
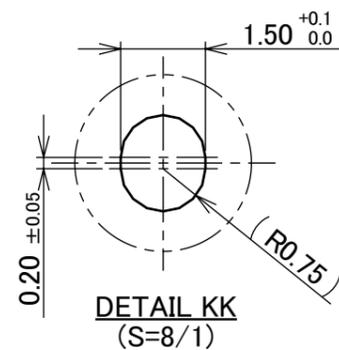
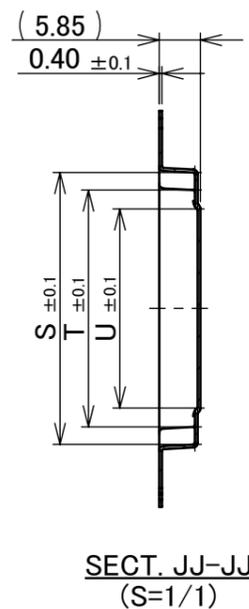
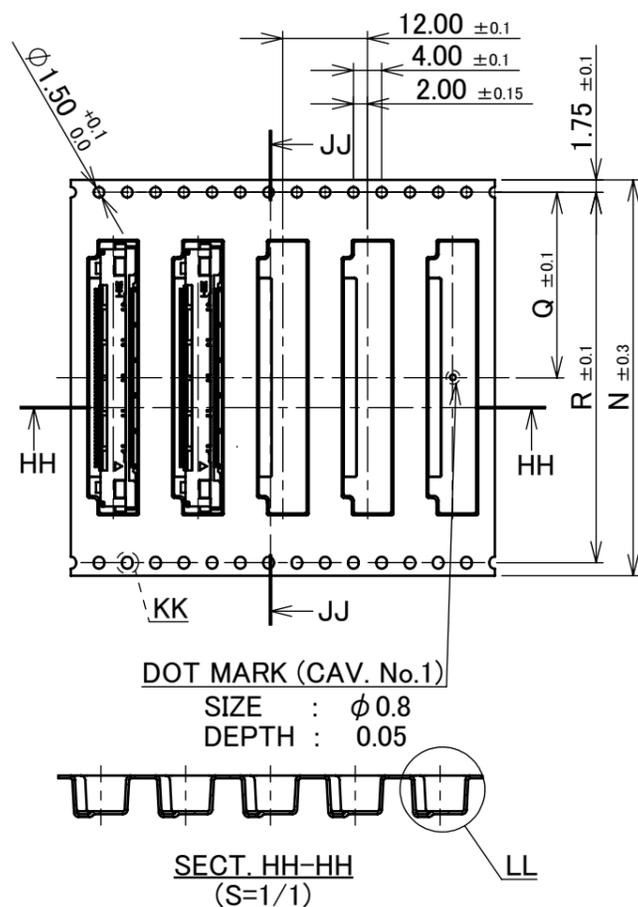
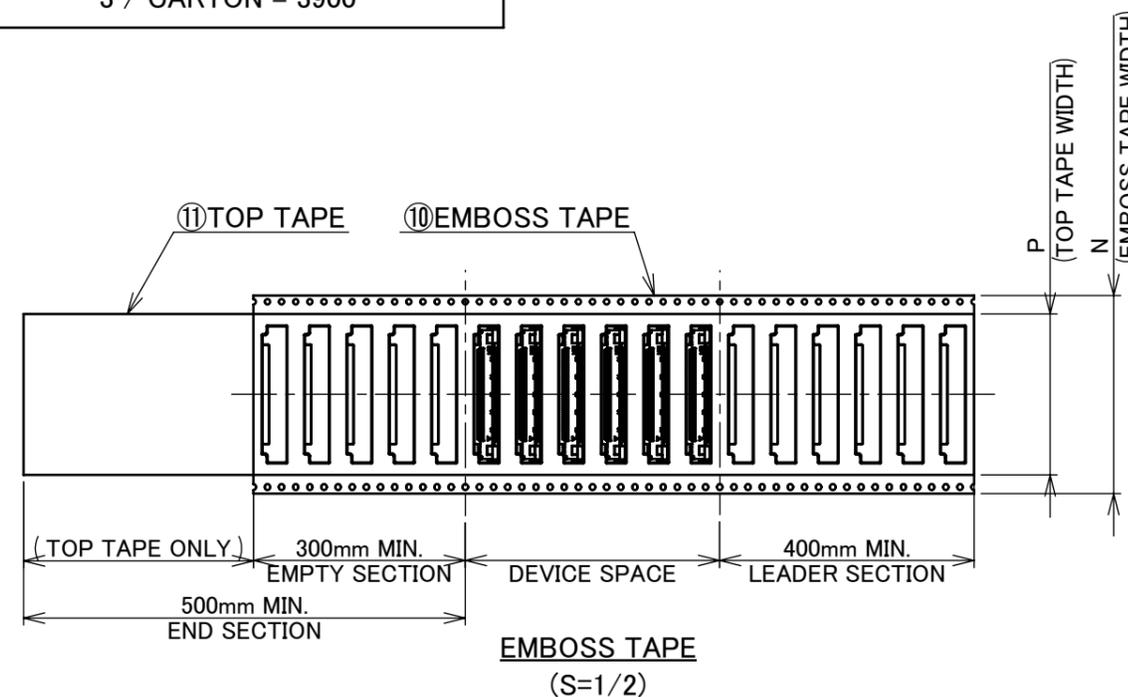
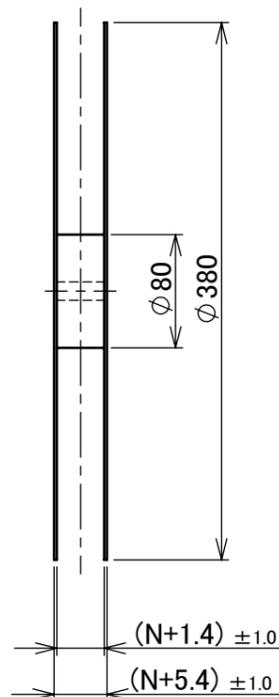
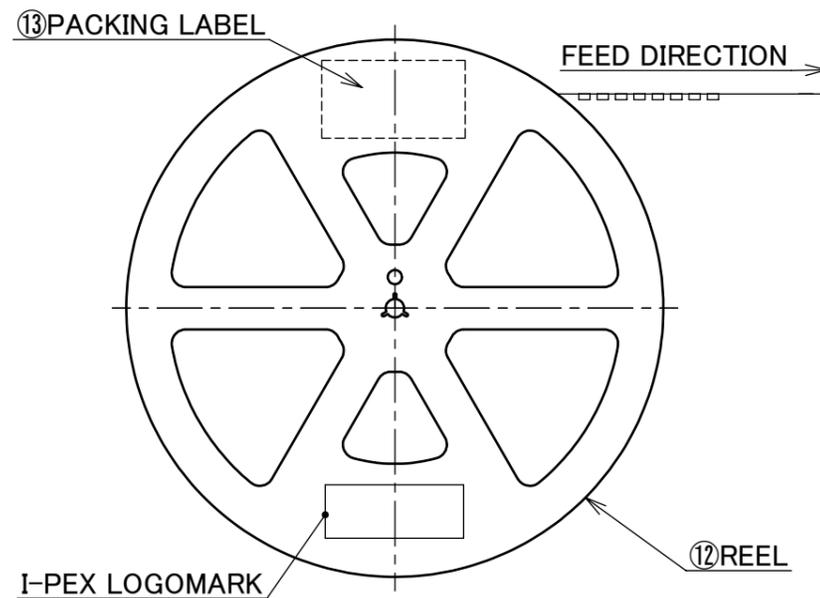
- THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.
- SOLDER RESIST SHALL BE APPLIED TO PREVENT SHORT CIRCUITS WHEN PLACING SIGNAL LINES ON GROUND AREA.



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 EVAFLEX® 5	SCALE 5:1	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20818	SIZE A3	SHEET 4/5	REV. 1

DEVICE P/N	N	P	Q	R	S	T	U	QTY. PER EMOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20818-041E	44.00	37.60	20.20	40.40	33.45	28.50	23.10	1300 / REEL	3 / CARTON = 3900
20818-051E	56.00	49.60	26.20	52.40	38.45	33.50	28.10		



- 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 EMOSS TAPE.
 - TOP TAPE SHALL NOT COVER FEED HOLE.

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
13	PACKING LABEL	-	-
12	REEL	PS	BLACK
11	TOP TAPE	PET t=0.061 TRANSPARENCY	ADHESIVE TYPE
10	EMBOSS TAPE	PS t=0.4 TRANSPARENCY	-

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY						
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R0	SCALE	I-PEX					
GENERAL TOLERANCE.						TITLE				EVAFLEX® 5		
DWG.	DATE			CHK.	DWG. No.	UNIT				mm		
APP.					20818	SIZE	SHEET	REV.				
						A3	5/5	1				