

Recommended P/N

20712-004E-01

PART No.

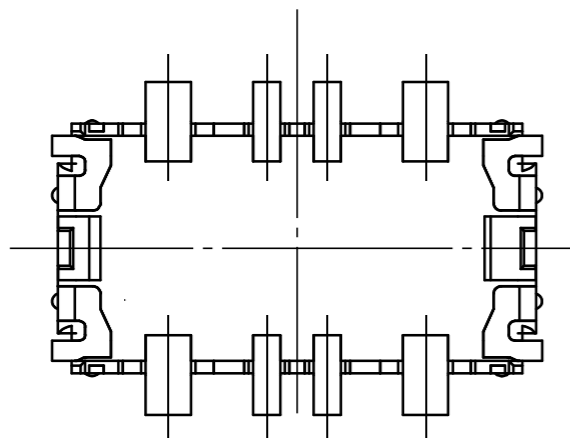
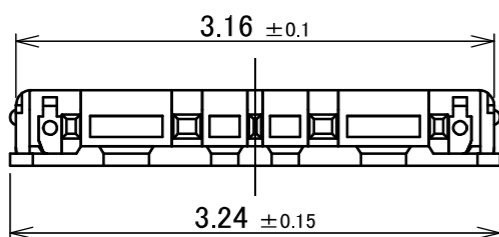
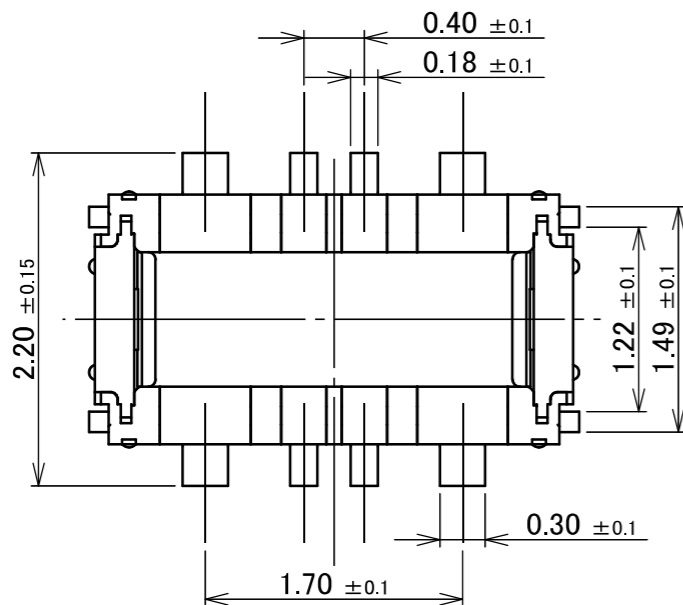
20712-004E-01



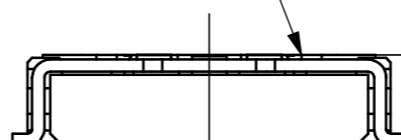
Halogen Free



RoHS Compliant



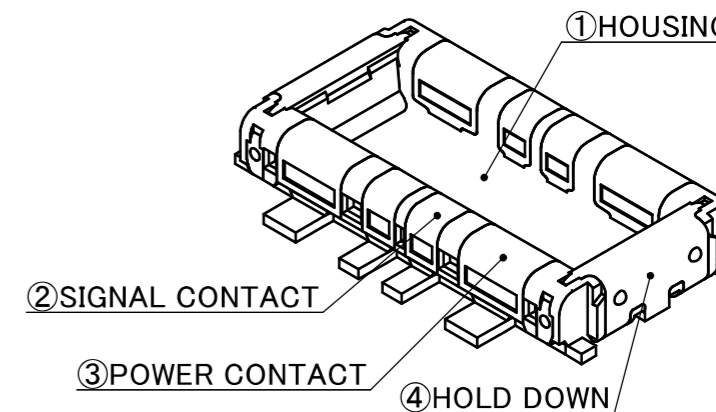
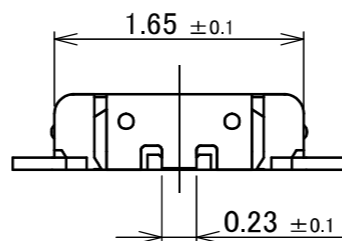
PLUG P/N :
20712-004E-01



RECEPTACLE P/N :
20713-004E-01

MATING CONDITION

Mating Height
0.60 ±0.1



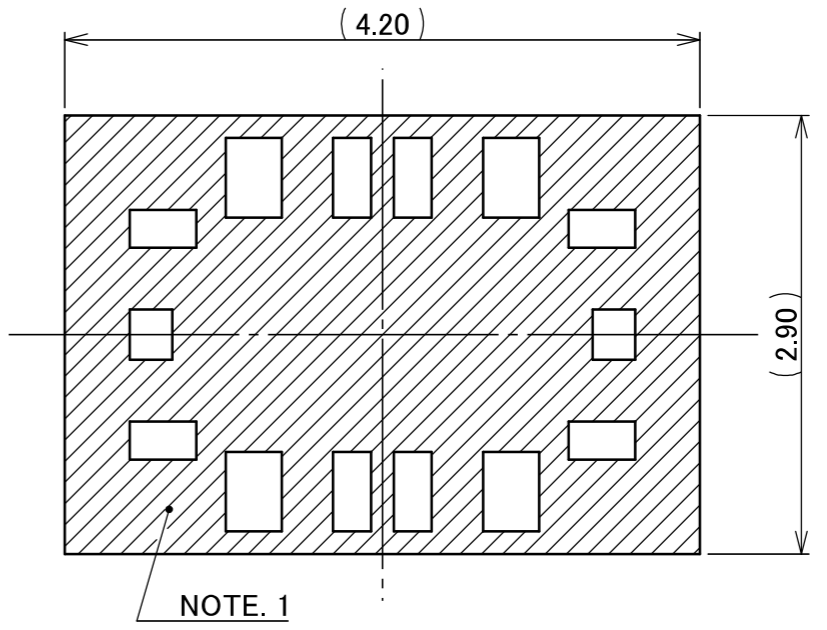
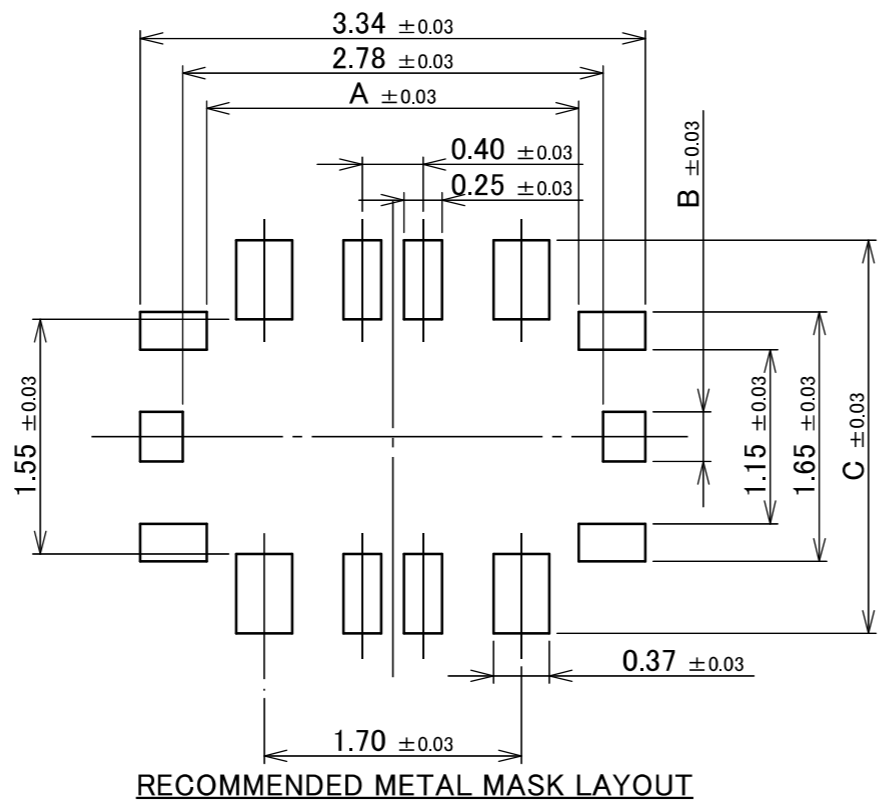
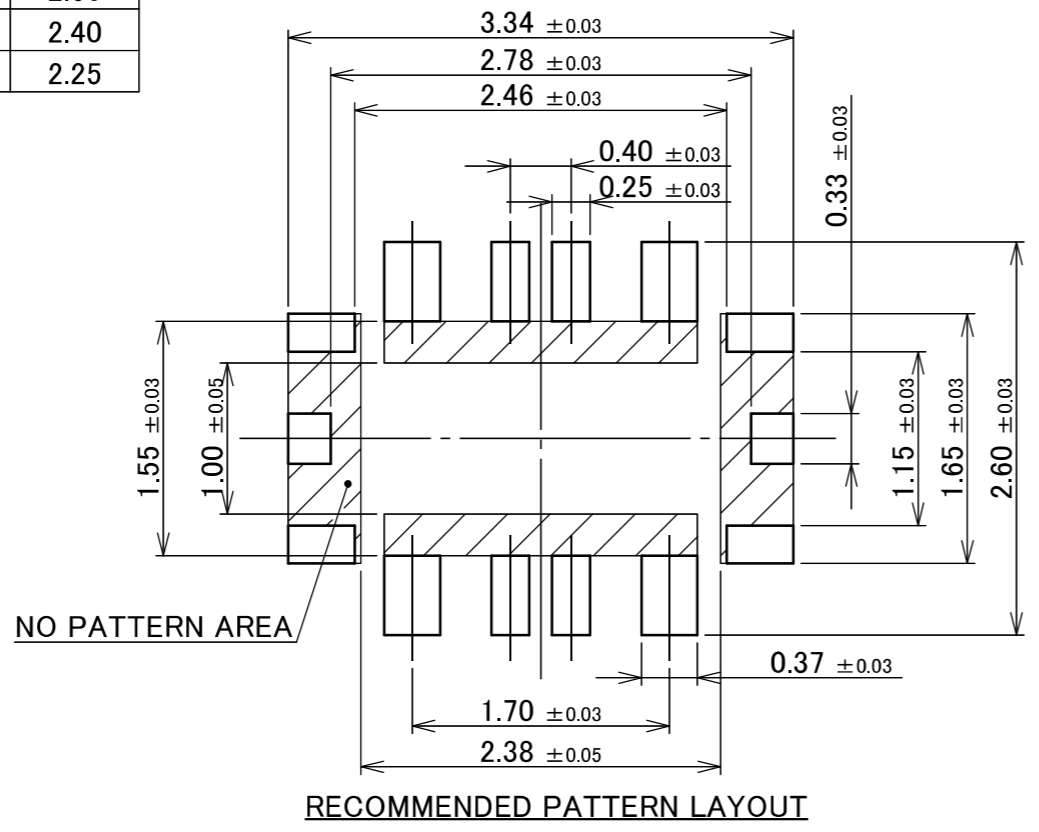
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
4	HOLD DOWN	PHOSPHOR BRONZE	ALL OVER Ni 1.27 μ m MIN. SOLDERING PART Au 0.02 μ m MIN.
3	POWER CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.05 μ m MIN./ SOLDERING PART Au 0.02 μ m MIN.
2	SIGNAL CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.05 μ m MIN./ SOLDERING PART Au 0.02 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK

REV.	ECN	BY	DATE	APP.	APP.	ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.	
7	ZC00643	S.Abe	2026/05/01	S.S	Y.Shimada	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	⊕	R7	NOVASTACK®-B PLUG ASSEMBLY	20:1	1/5	7	
6	Z241250	Haji	2024/09/17	S.S		GENERAL TOLERANCE.				DWG. No. 20712	R7	NOVASTACK®-B PLUG ASSEMBLY	20:1	1/5	7	
5	Z230413	Haji	2023/04/11	Y.H												
4	Z220205	K.W	2022/02/28	Y.H		DWG.		DATE	2016/08/09							
3	Z200713	H.H	2020/07/10	T.Y		CHK.										
2	Z180691	R.H	2018/05/30	TAK												
REVISION RECORD																

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20713-004E-0*
RATING VOLTAGE	50V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	1.0A AC/DC (PER CONTACT PIN)/ 4.0A AC/DC(TOTAL)
RATING AMPERAGE (FOR POWER CONTACT)	6.0A AC/DC (PER CONTACT PIN)/ 24.0A AC/DC(TOTAL)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 40mohm MAX. / AFTER TEST : \triangle 20mohm MAX.
CONTACT RESISTANCE (FOR POWER CONTACT)	INITIAL : 20mohm MAX. / AFTER TEST : \triangle 20mohm MAX.
INSULATION RESISTANCE	INITIAL : 1,000Mohm MIN. / AFTER TEST : 100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	40N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	INITIAL: 10N MIN. AFTER TEST: 7N MIN.
COPLANARITY	0.08 MAX.
PRODUCT SPECIFICATION	PRS-2284
TEST REPORT	TR-16098
PACKING STANDARD	PST-15122 (20K/REEL) PST-16056 (5K/REEL)
INSTRUCTION MANUAL	HIM-16033
APPEARANCE CRITERIA No.	QLS-A***

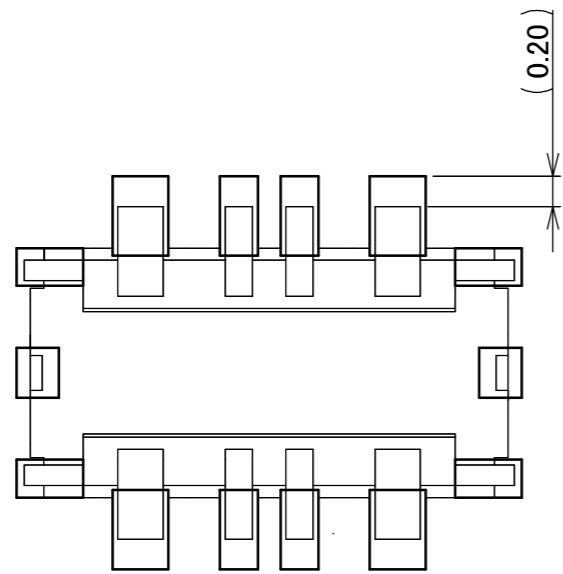
ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R7	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK®-B PLUG ASSEMBLY	SCALE 	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20712	SIZE A3	SHEET 2/5	REV. 7

MASK THICKNESS	A	B	C
t=0.08	2.46	0.33	2.60
t=0.1	2.63	0.27	2.40
t=0.12	2.75	0.22	2.25

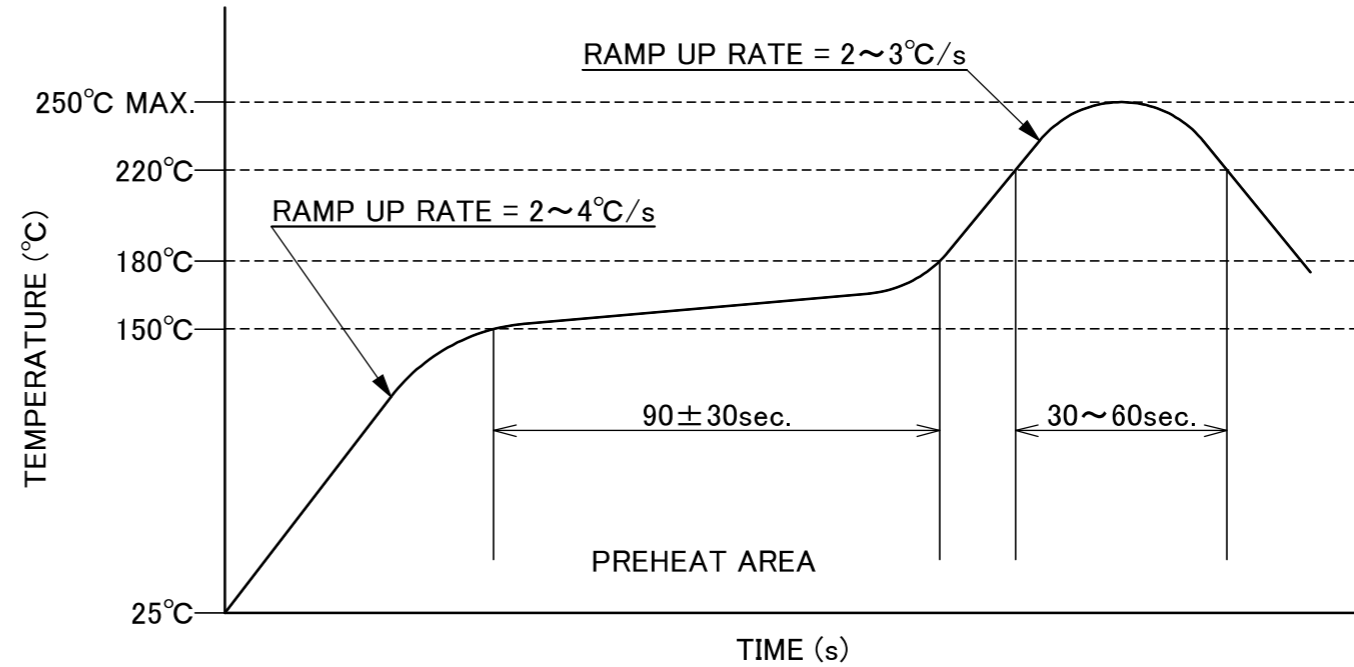


NOTES.
1. THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R7	CUSTOMER COPY			
	6 MAX.	±0.2	30 OVER 120 MAX.						±0.5
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX		
DWG.	DATE			NOVASTACK®-B PLUG ASSEMBLY		20:1			
CHK.						UNIT			
APP.				DWG. No. 20712		mm			
						SIZE	SHEET	REV.	
						A3	3/5	7	



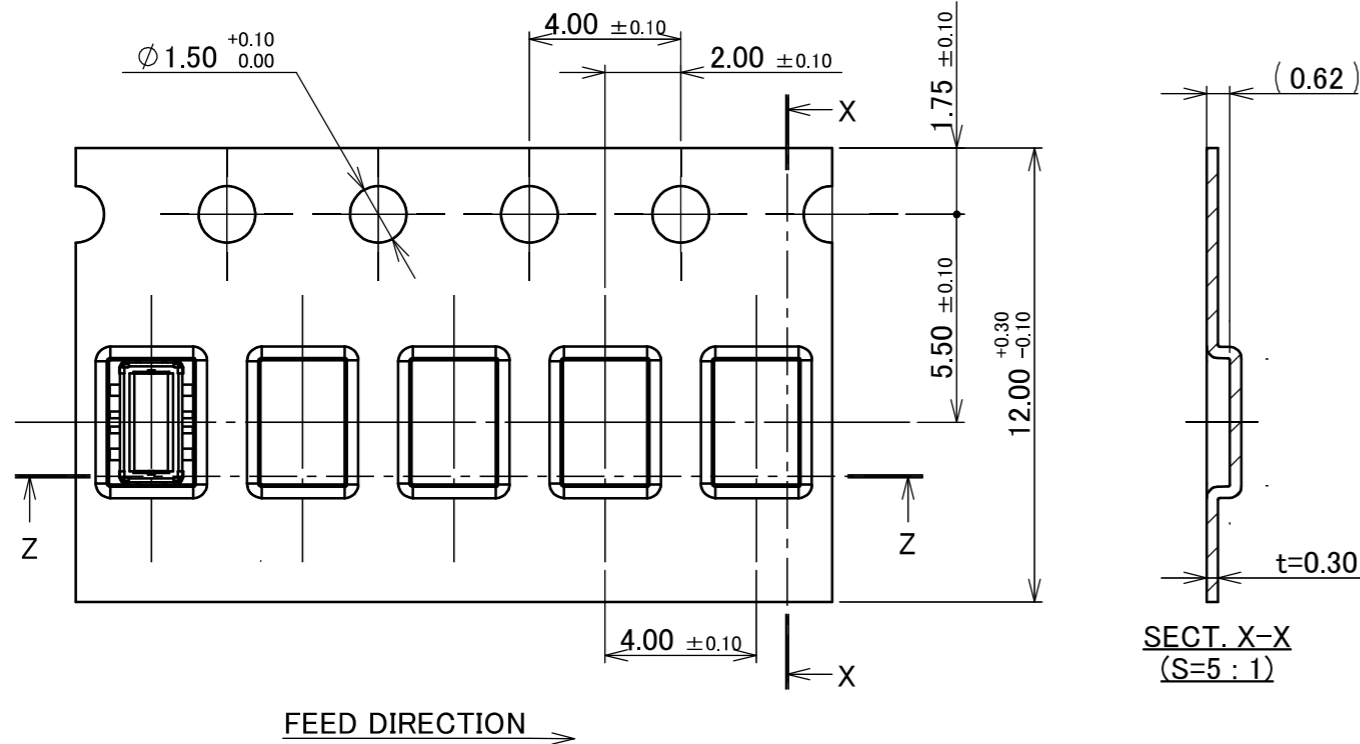
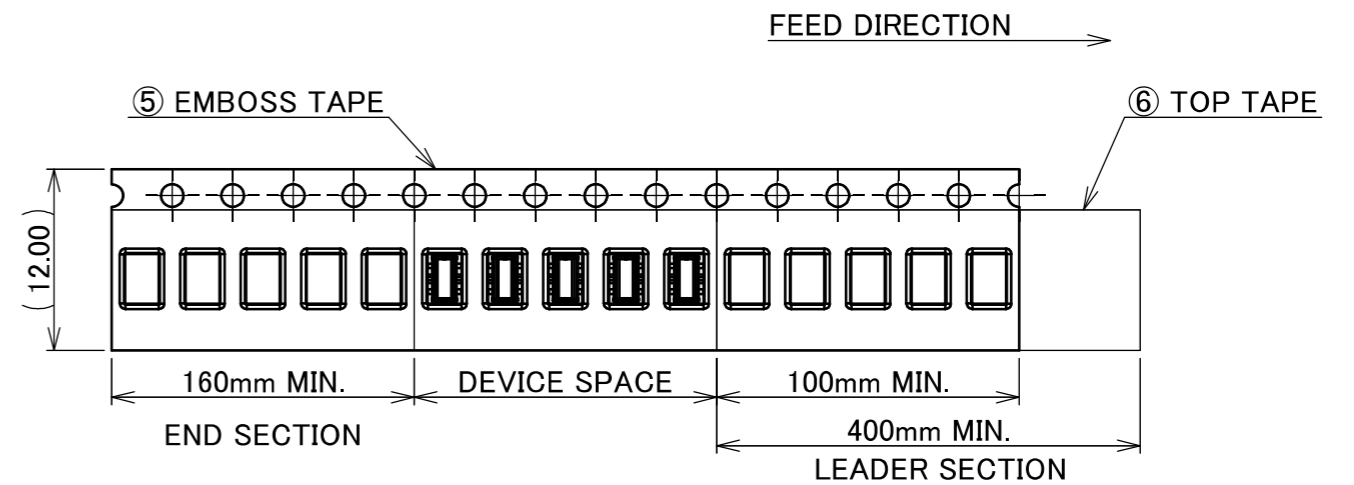
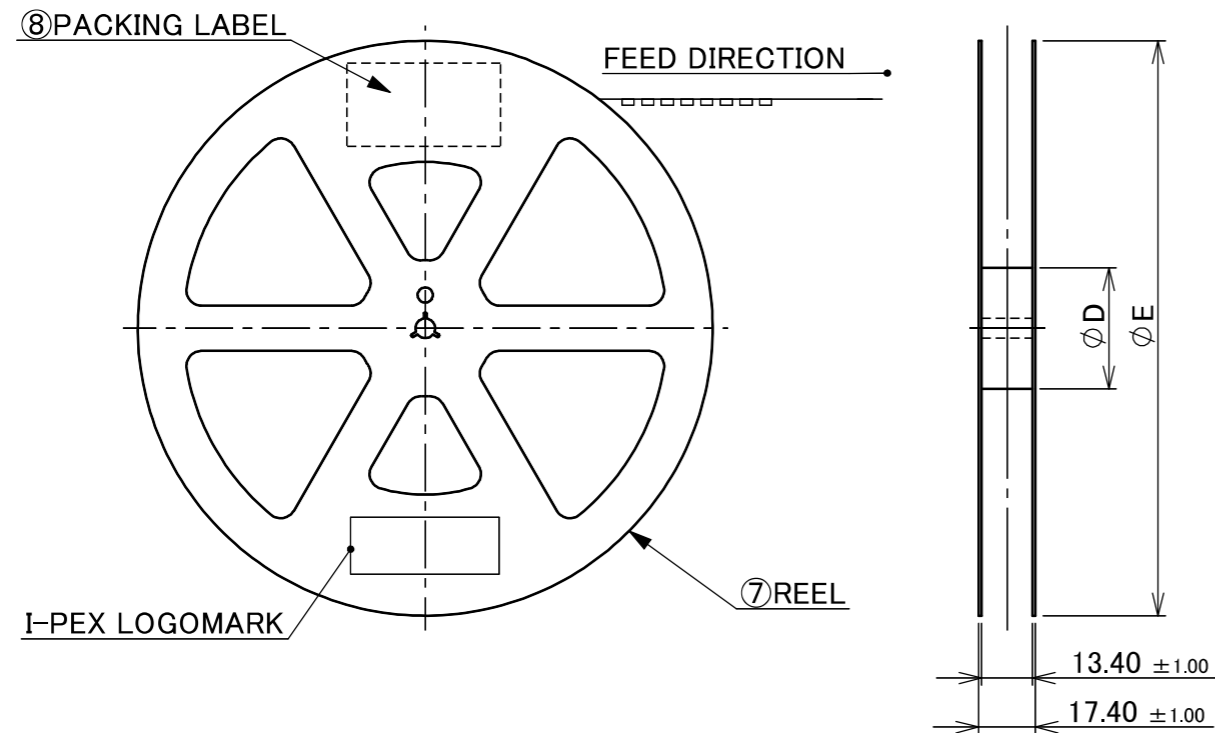
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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. R7	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE NOVASTACK®-B PLUG ASSEMBLY	SCALE 20:1	UNIT I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20712	SIZE A3	SHEET 4/5	REV. 7

PART NO.	D	E	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20712-004E-01	80	380	20,000 / REEL	20,000 × 8 REELS = 160,000



- 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.

NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS
8	PACKING LABEL	-	-
7	REEL	PS	ANTI-STATIC TYPE BLACK
6	TOP TAPE	PET t=0.062 TRANSPARENCY	ANTI-STATIC TYPE
5	EMBOSS TAPE	PS TRANSPARENCY	ANTI-STATIC TYPE

NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS
ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5

GENERAL TOLERANCE.		PROJECTION	SERIES No.	CUSTOMER COPY
DWG.	DATE		R7	
CHK.		TITLE		
APP.		NOVASTACK®-B PLUG ASSEMBLY		
		DWG. No.	20712	SCALE
				1:X
				UNIT
				mm
				SIZE
				A3
				SHEET
				5/5
				REV.
				7