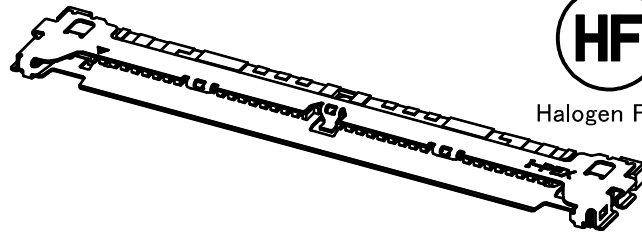


Recommended P/N20729-0**E-02

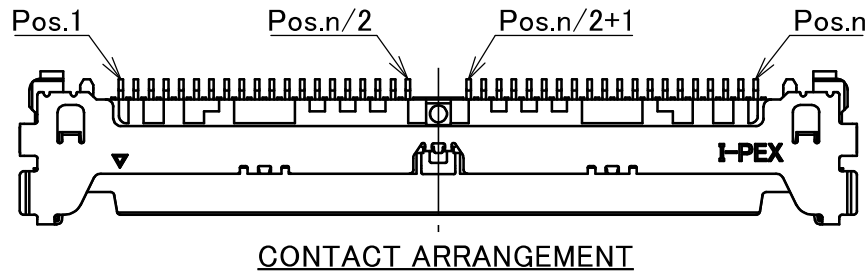
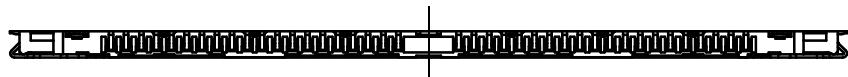
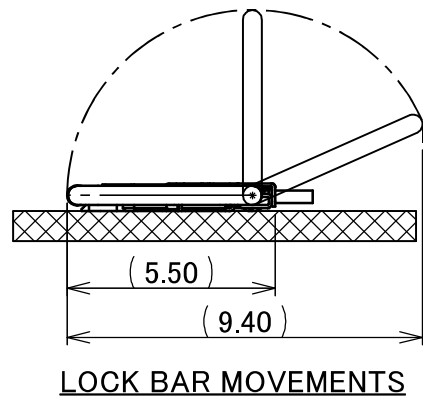
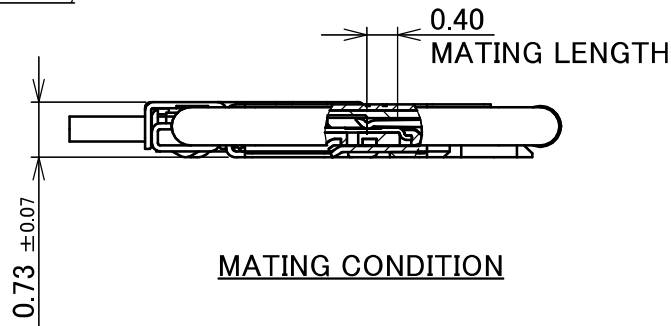
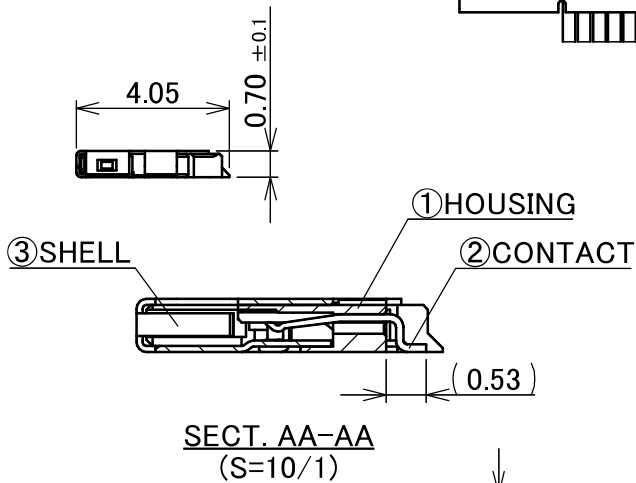
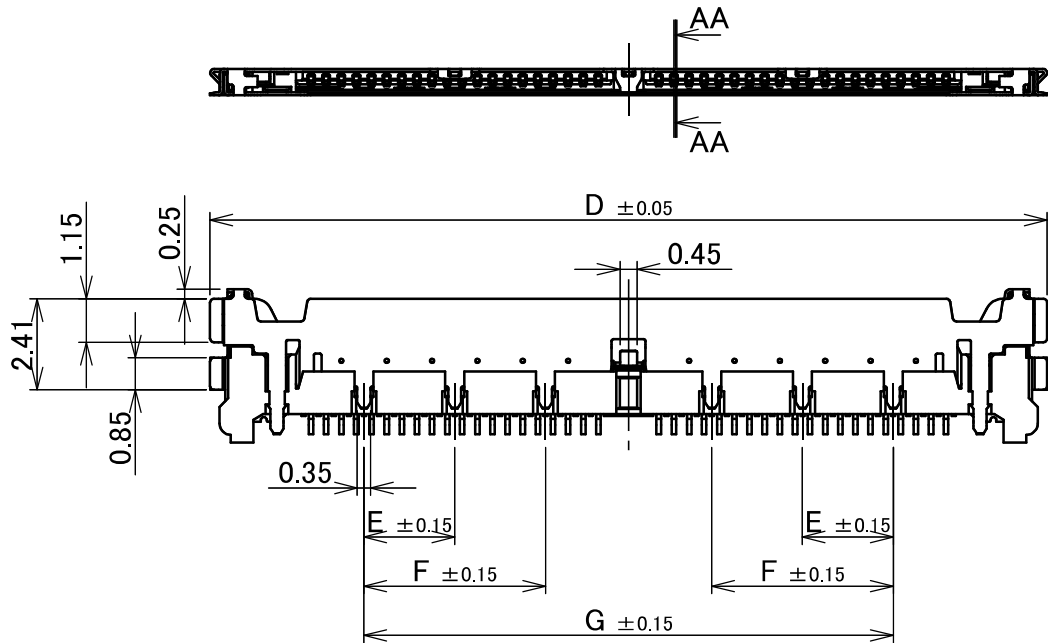
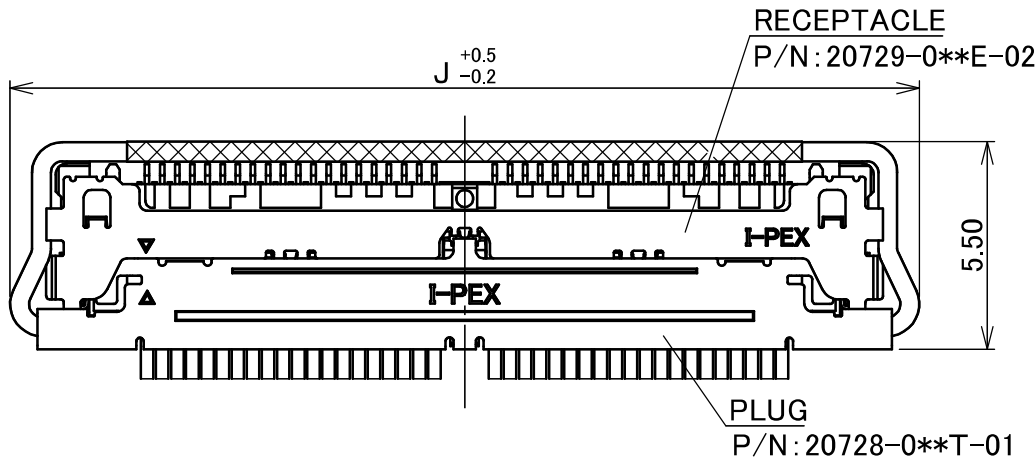
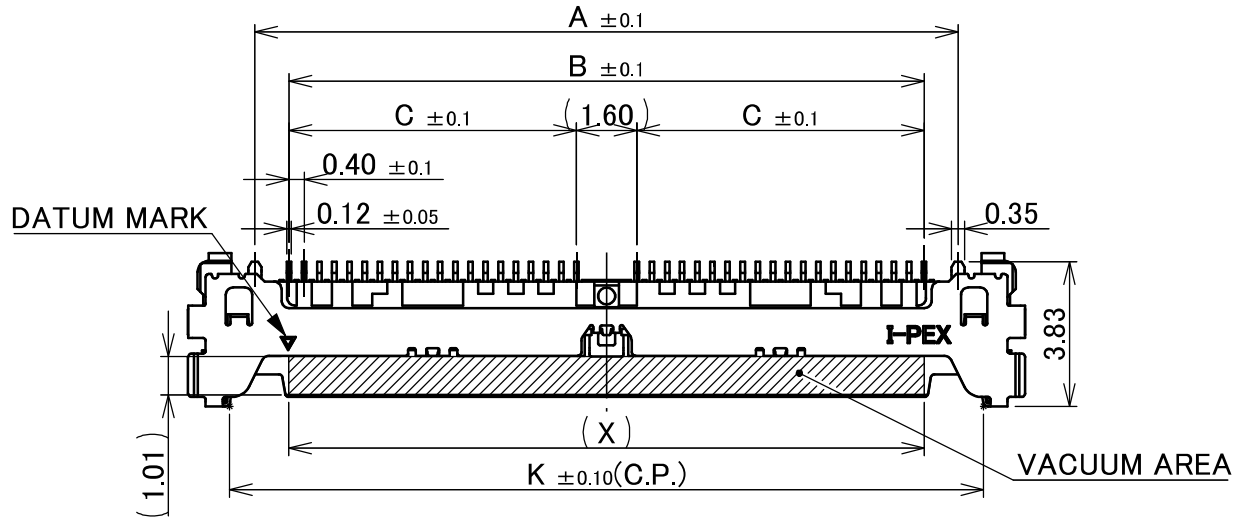
PART NO.	Pos.	A	B	C	D	E	F	G	J	K	X
20729-030E-02	30	14.60	12.80	5.60	18.14	-	2.80	10.00	20.05	15.95	12.81
20729-040E-02	40	18.60	16.80	7.60	22.14	2.40	4.80	14.00	24.05	19.95	16.81



Halogen Free



RoHS Compliant



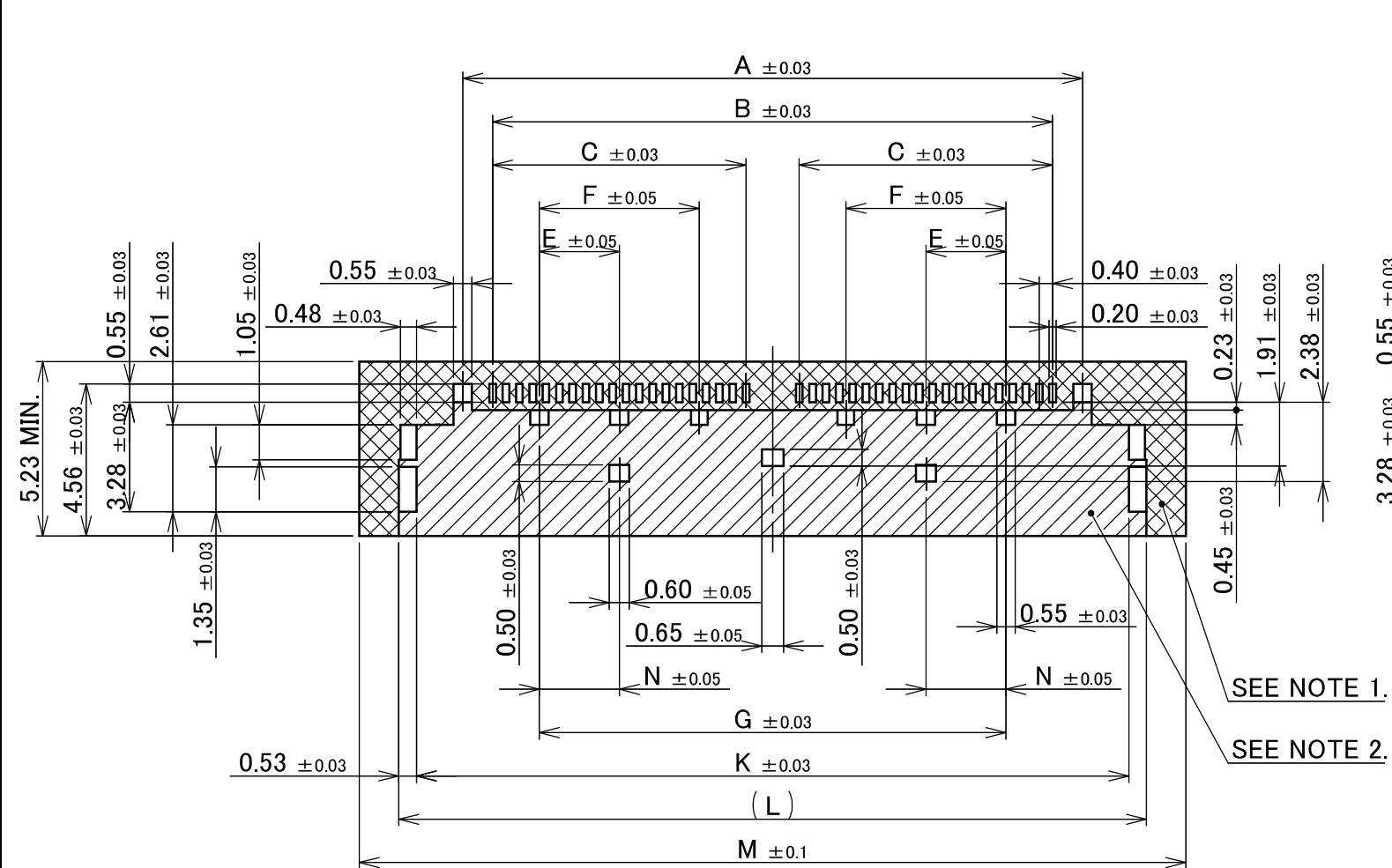
3	SHELL	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.02 μ m MIN.
2	CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. CONTACT & SOLDERING AREA : Au 0.03 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK, RED PHOSPHORUS FREE
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

10	ZC00075	R.H	2025/09/03	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY			
9	Z250428	R.H	2025/07/22	H.I	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R4				
8	Z240069	T.Ono	2024/01/17	T.M	GENERAL TOLERANCE.				TITLE CABLINE®-CAL RECEPTACLE ASSEMBLY		SCALE	I-PEX		
7	Z240026	R.H	2024/01/10	H.I	DWG.	DATE		5:1						
6	Z220248	TSU	2022/03/08	H.I	M.Ishimaru		2017/04/12	UNIT						
5	Z201253	S.Y	2020/12/07	Y.S	CHK.	—		mm						
REV.	ECN	BY	DATE	APP.	APP.	H.Ikari				DWG. No.	20729	SIZE	SHEET	REV.
REVISION RECORD										A3	1/5	10		

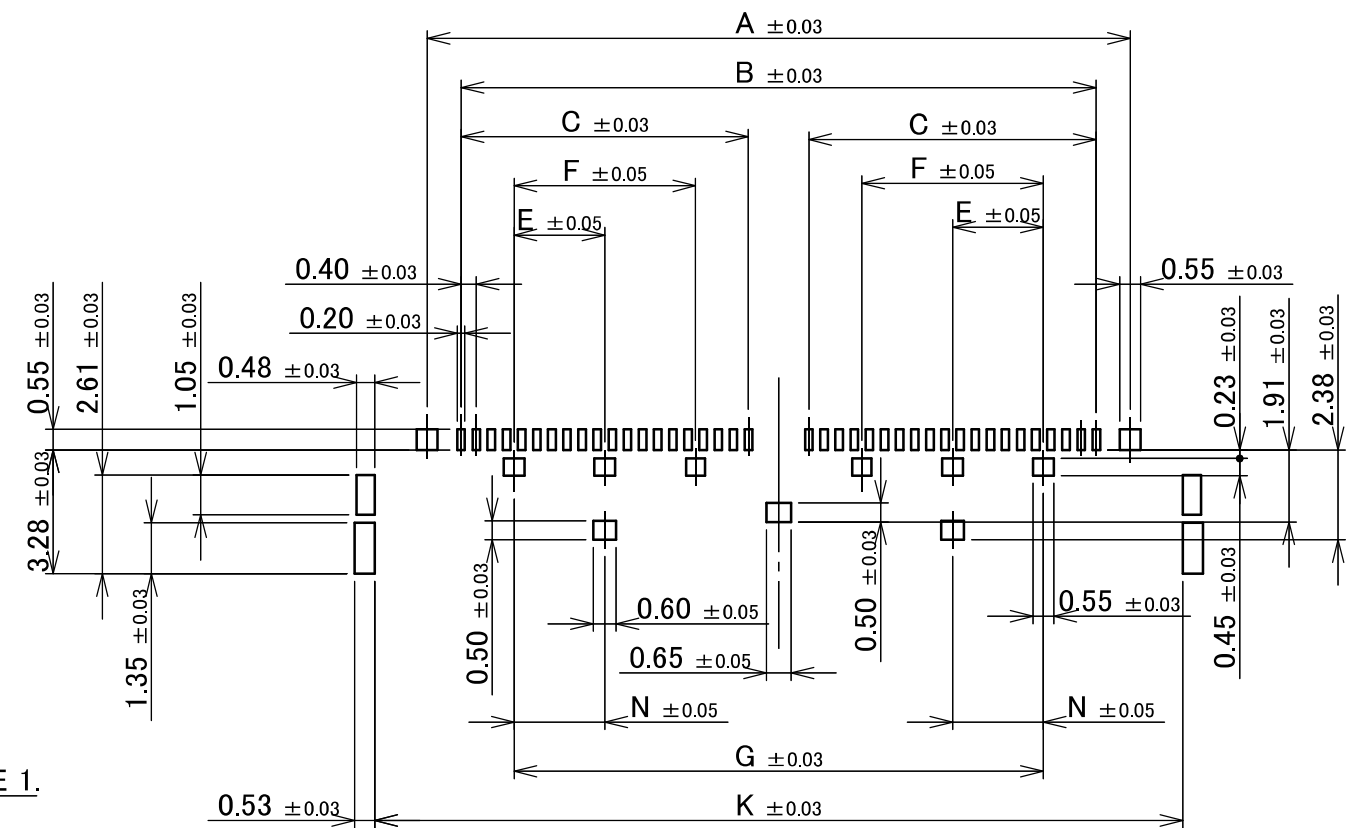
ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE: AWG# 38,40,42,44 DISCRETE WIRE : AWG# 34,36
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.15A AC/DC [AWG#44] PER CONTACT PIN/UP TO 40 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 40 CONTACTS 0.30A AC/DC [AWG#40] PER CONTACT PIN/UP TO 32 CONTACTS 0.50A AC/DC [AWG#38] PER CONTACT PIN, FOR POWER/UP TO 14 CONTACTS 0.80A AC/DC [AWG#36] PER CONTACT PIN, FOR POWER/UP TO 5 CONTACTS 1.00A AC/DC [AWG#34] PER CONTACT PIN, FOR POWER/UP TO 4 CONTACTS ※ TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	233~358K(-40℃~+85℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 180mohm MAX.(AWG#34) / AFTER TEST : $\triangle$ 40mohm MAX. 275mohm MAX.(AWG#36) 600mohm MAX.(AWG#40) 700mohm MAX.(AWG#42) 1080mohm MAX.(AWG#44)
GROUND SHELL RESISTANCE	INITIAL : 50mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	30P : 12.0N MAX. 40P : 16.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 1.80N MIN. 40P : 2.40N MIN.
CABLE RETENTION FORCE	30P : 11.8N MIN. 40P : 12.4N MIN
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2371
TEST REPORT	TR-17036
PACKING STANDARD	PST-17058
INSTRUCTION MANUAL	HIM-17010
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R4			
GENERAL TOLERANCE.					SCALE			
DWG.	DATE				5:1			
CHK.					UNIT			
APP.					mm			
				DWG. No.	20729	SIZE	SHEET	REV.
						A3	2/5	10

PART NO.	Pos.	A	B	C	E	F	G	K	L	M	N
20729-030E-02	30	14.60	12.80	5.60	-	2.80	10.00	17.38	18.44	20.80	1.40
20729-040E-02	40	18.60	16.80	7.60	2.40	4.80	14.00	21.38	22.44	24.80	2.40



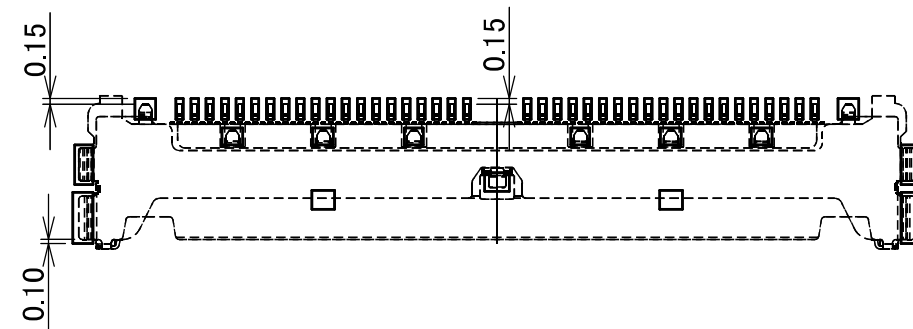
RECOMMENDED PCB LAYOUT



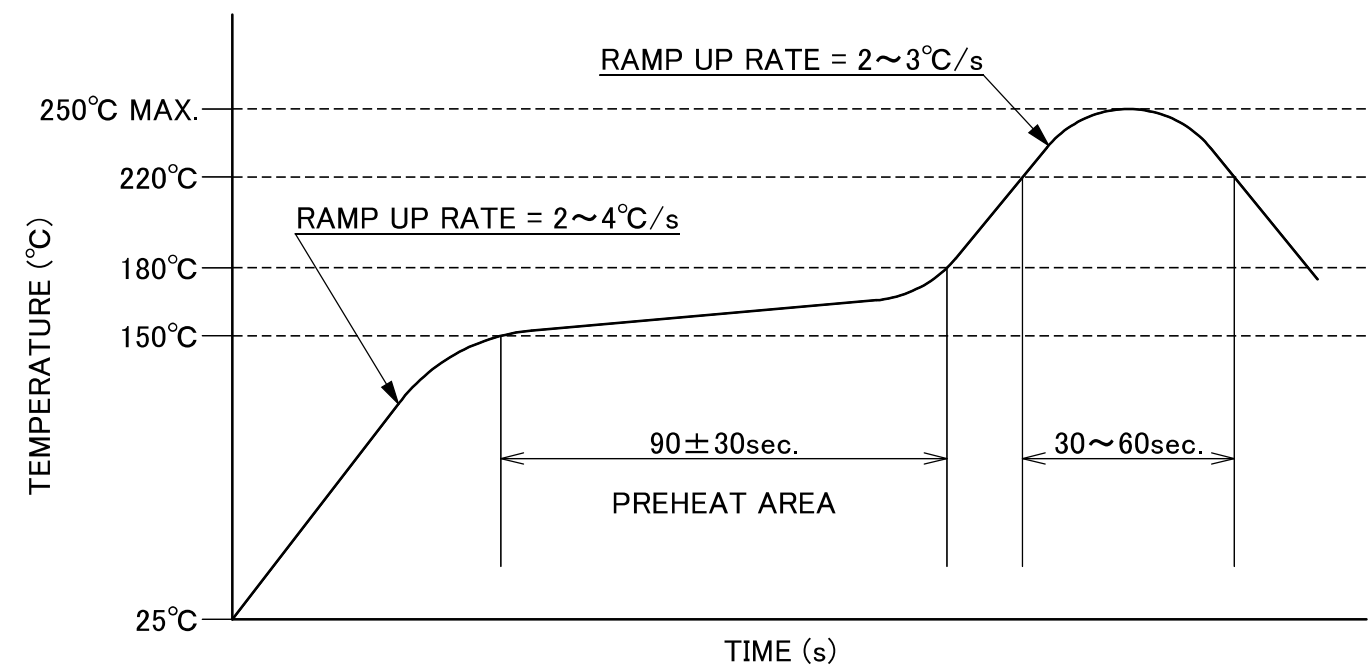
RECOMMENDED METAL MASK LAYOUT
METAL MASK THICKNESS : t=0.10 mm

NOTES.
1. DO NOT MOUNT ANOTHER COMPONENTS IN THIS AREA.
2. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R4				
GENERAL TOLERANCE.				TITLE CABLIN [®] -CAL RECEPTACLE ASSEMBLY		SCALE	I-PEX		
DWG.	DATE					5:1			
CHK.				UNIT					
APP.				DWG. No.	20729	mm	SIZE	SHEET	REV.
						A3	3/5	10	



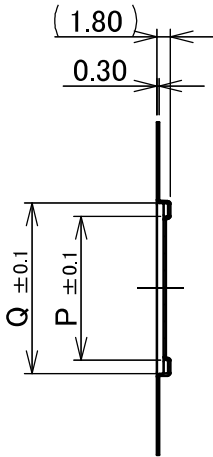
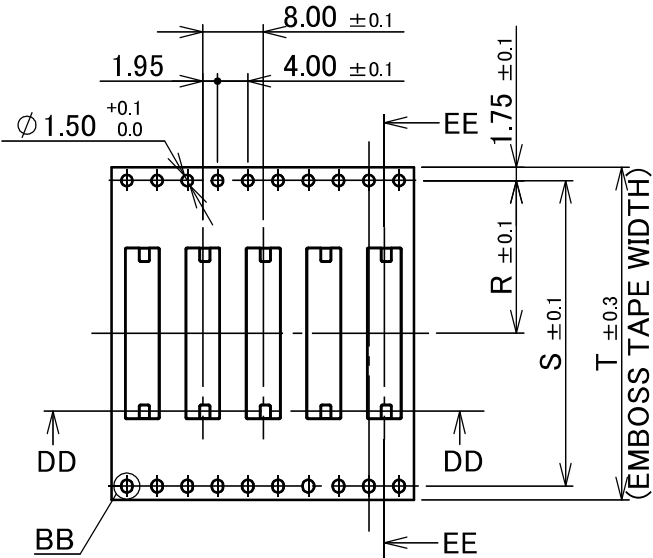
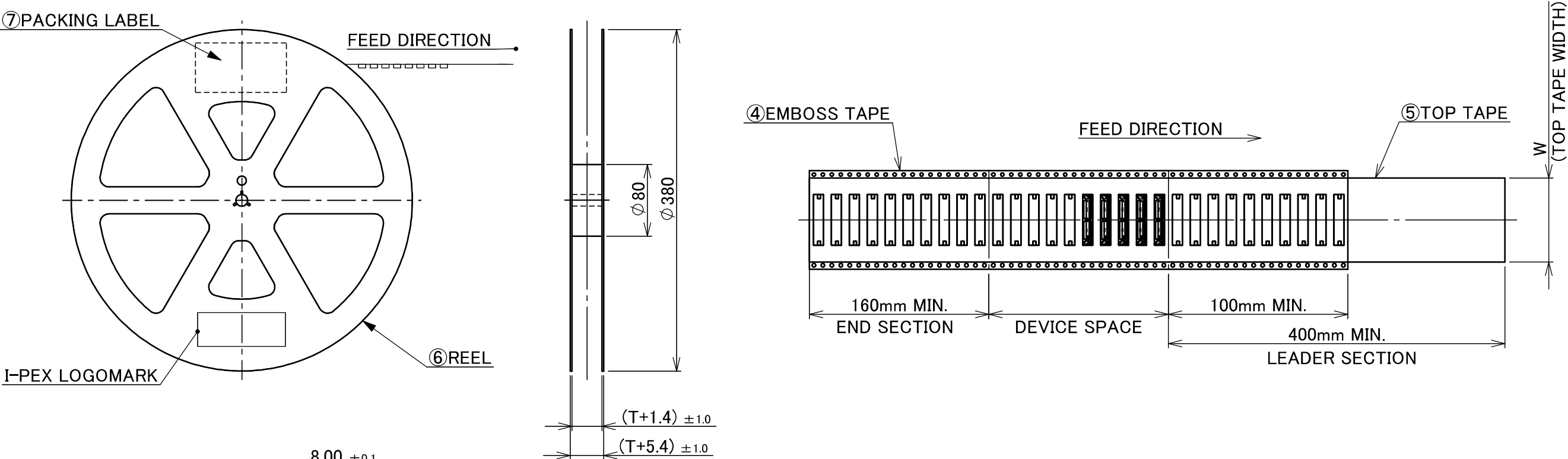
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



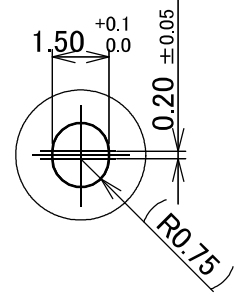
REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R4	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE®-CAL RECEPTACLE ASSEMBLY	SCALE 5:1	I-PEX		
DWG.		DATE	UNIT					
CHK.			mm					
APP.								
				DWG. No.	SIZE	SHEET	REV.	
				20729	A3	4/5	10	

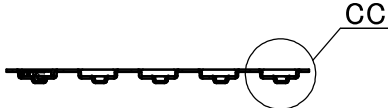
PART NO.	P	Q	R	S	T	W	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20729-030E-0#	15.00	18.54	14.20	28.40	32.00	25.50	6000/ REEL	4 / CARTON = 24000
20729-040E-0#	19.00	22.54	20.20	40.40	44.00	37.50		3 / CARTON = 18000



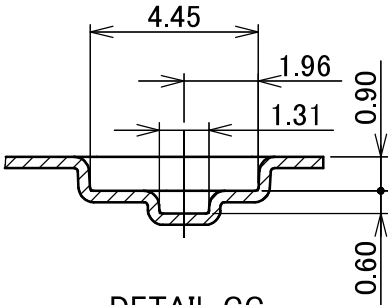
SECT. EE-EE



DETAIL BB
(S=10/1)



SECT. DD-DD



DETAIL CC
(S=5/1)

- 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.

7	PACKING LABEL	-	-
6	REEL	PS	ANTI-STATIC TYPE BLACK
5	TOP TAPE	PET TRANSPARENCY	ANTI-STATIC TYPE
4	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		R4			
GENERAL TOLERANCE.				TITLE CABLIN [®] -CAL RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					1:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20729	SIZE	SHEET	REV.
						A3	5/5	10