

PART NO.	Pos.	A	B	C	D	E	J	K	L	U
20682-020E-02	20	9.40	7.60	12.43	13.20	4.80	2.40	5.60	2.00	10.01
20682-030E-02	30	13.40	11.60	16.43	17.20	9.60	2.40	12.00	1.60	14.01
20682-040E-02	40	17.40	15.60	20.43	21.20	12.00	2.40	14.40	1.60	18.01
20682-050E-02	50	21.40	19.60	24.43	25.20	16.80	2.80	18.40	1.60	22.01

P/N : 20682-0 ** E- 02

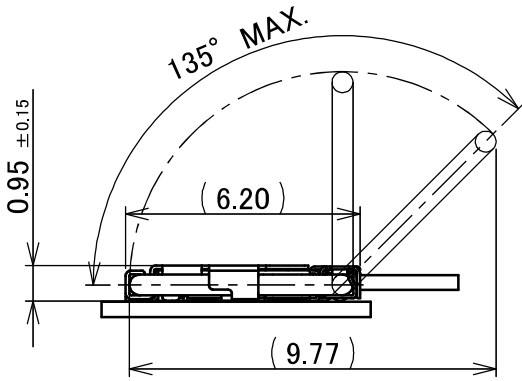
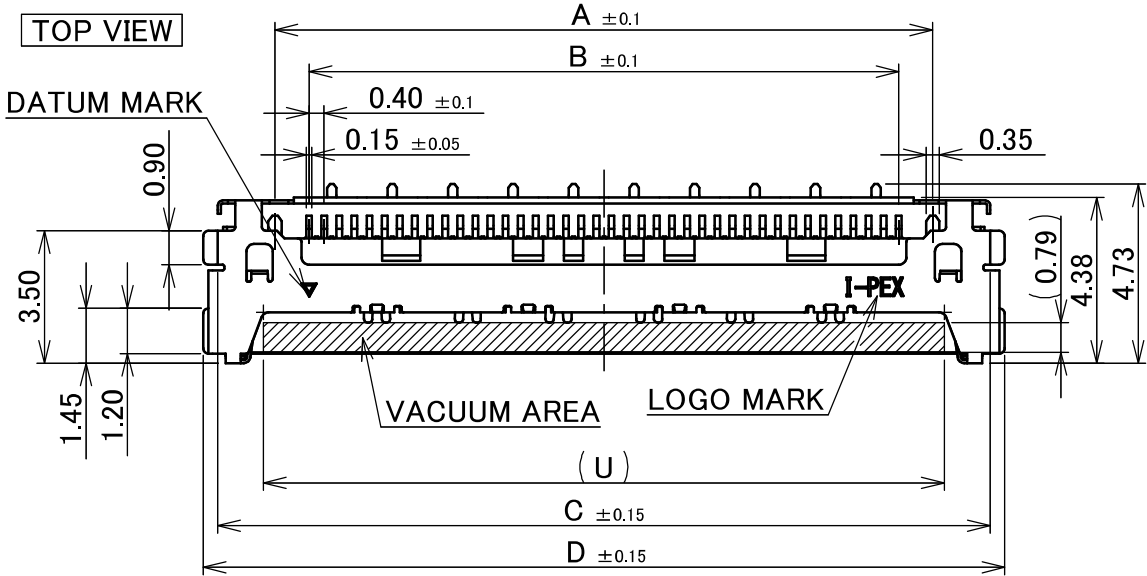
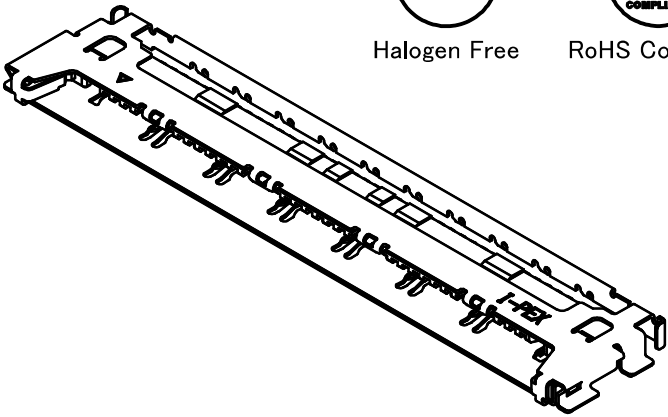
Pos.



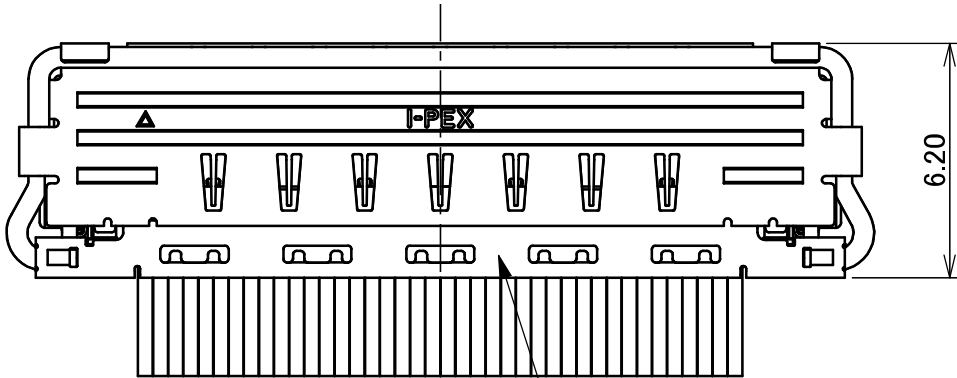
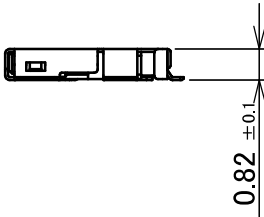
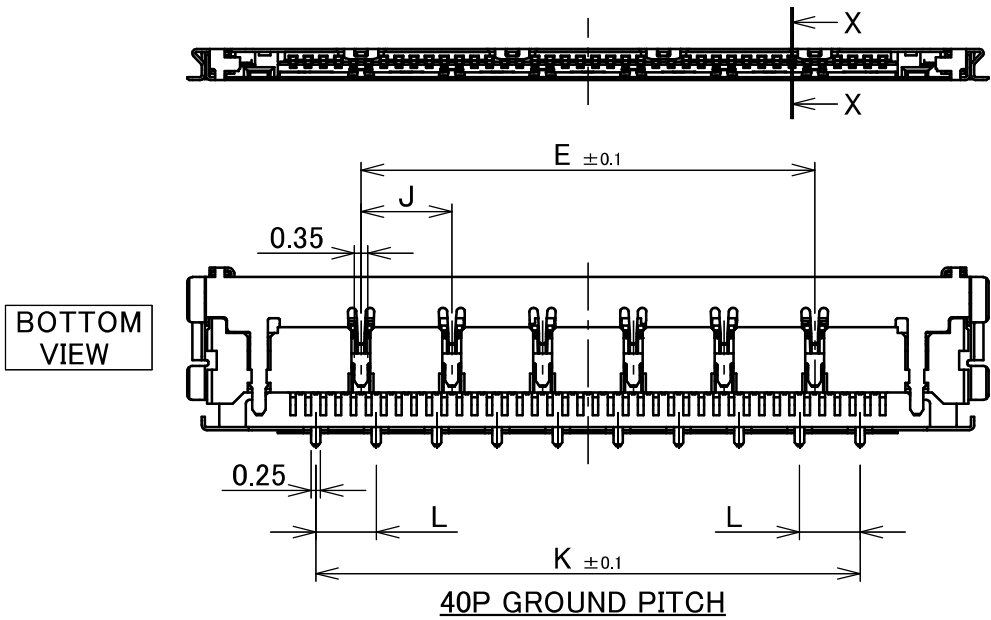
Halogen Free



RoHS Compliant



LOCK BAR MOVEMENTS



MATING CONDITION

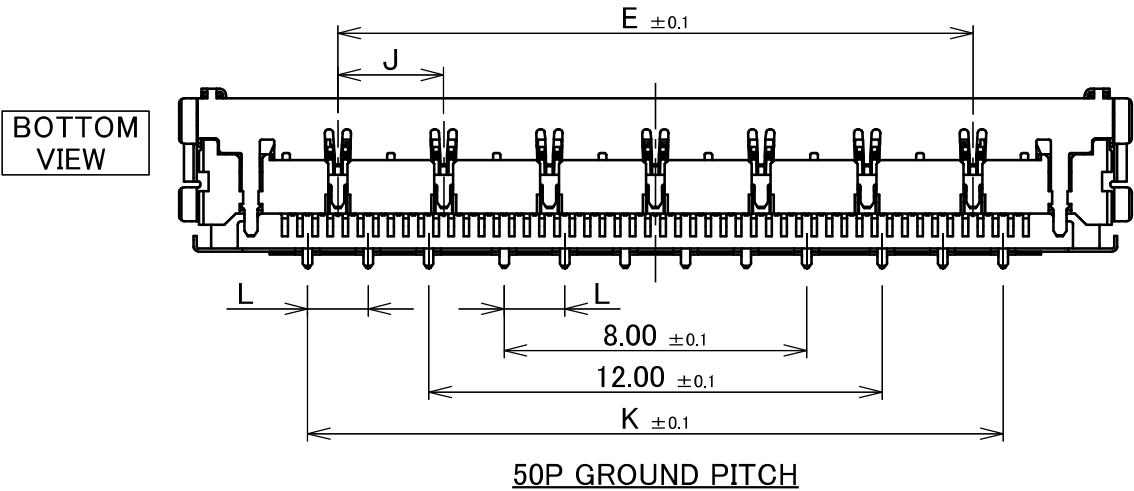
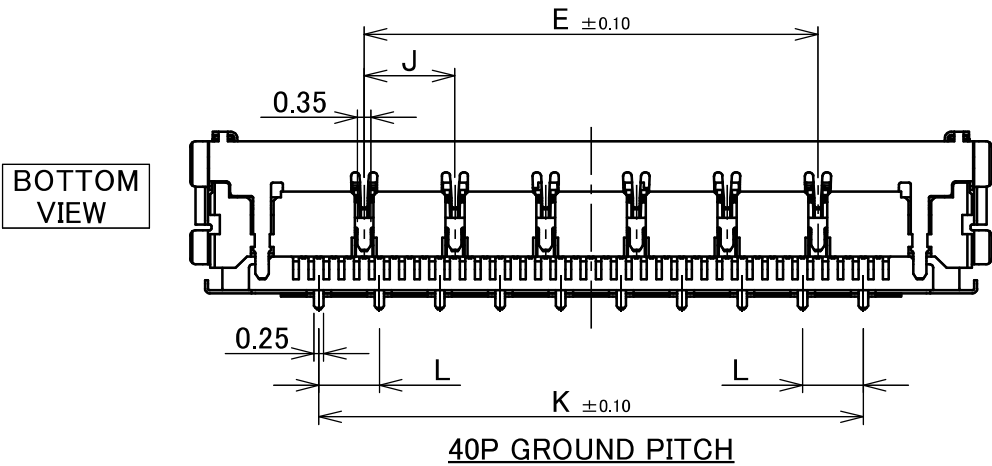
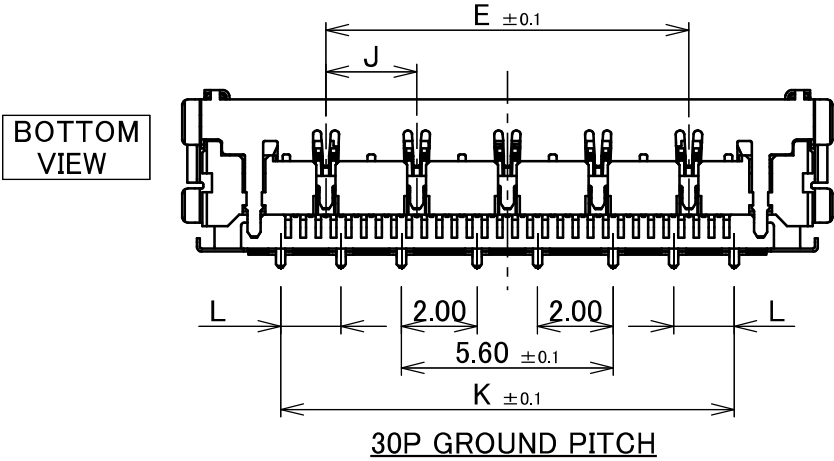
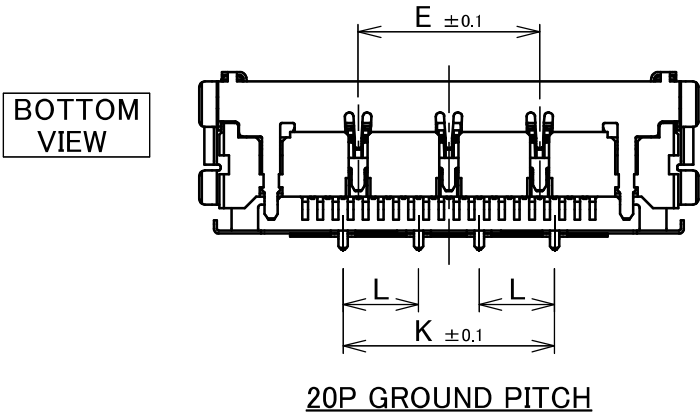
3	SHELL	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.02 μ m MIN.
2	CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. CONTACT & SOLDERING AREA : Au 0.03 μ m MIN.
1	HOUSING	LCP	UL94V-0 ,BLACK
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

18	ZC00394	K.Hara	2026/01/05	T.M	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R1	CUSTOMER COPY		
17	Z250835	K.W	2025/06/04	M.T	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
16	Z250425	K.Hara	2025/03/13	H.I	GENERAL TOLERANCE.				TITLE CABLIXE® -CA II RECEPTACLE ASSEMBLY		SCALE		
15	Z241785	K.Hara	2024/12/13	H.I	DWG.	DATE					5:1		
14	Z241093	K.Hara	2024/8/20	H.I	T.Masunaga			2015/03/24			UNIT		
					CHK.								
13	Z240029	K.Hara	2024/01/12	H.I	J.Tateishi						mm		
REV.	ECN	BY	DATE	APP.	APP.				DWG. No.		SIZE	SHEET	REV.
REVISION RECORD					E.Kawabe				20682		A3	1/8	18

PATENT REGISTERED

PART NO.	Pos.	E	J	K	L
20682-020E-02	20	4.80	2.40	5.60	2.00
20682-030E-02	30	9.60	2.40	12.00	1.60
20682-040E-02	40	12.00	2.40	14.40	1.60
20682-050E-02	50	16.80	2.80	18.40	1.60

PATENT REGISTERED



ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE®-CA II RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20682		SIZE	SHEET	REV.
						A3	2/8	18

FOR CABLINE-CA II PLUG CABLE ASSEMBLY (DWG. NO. 20679)

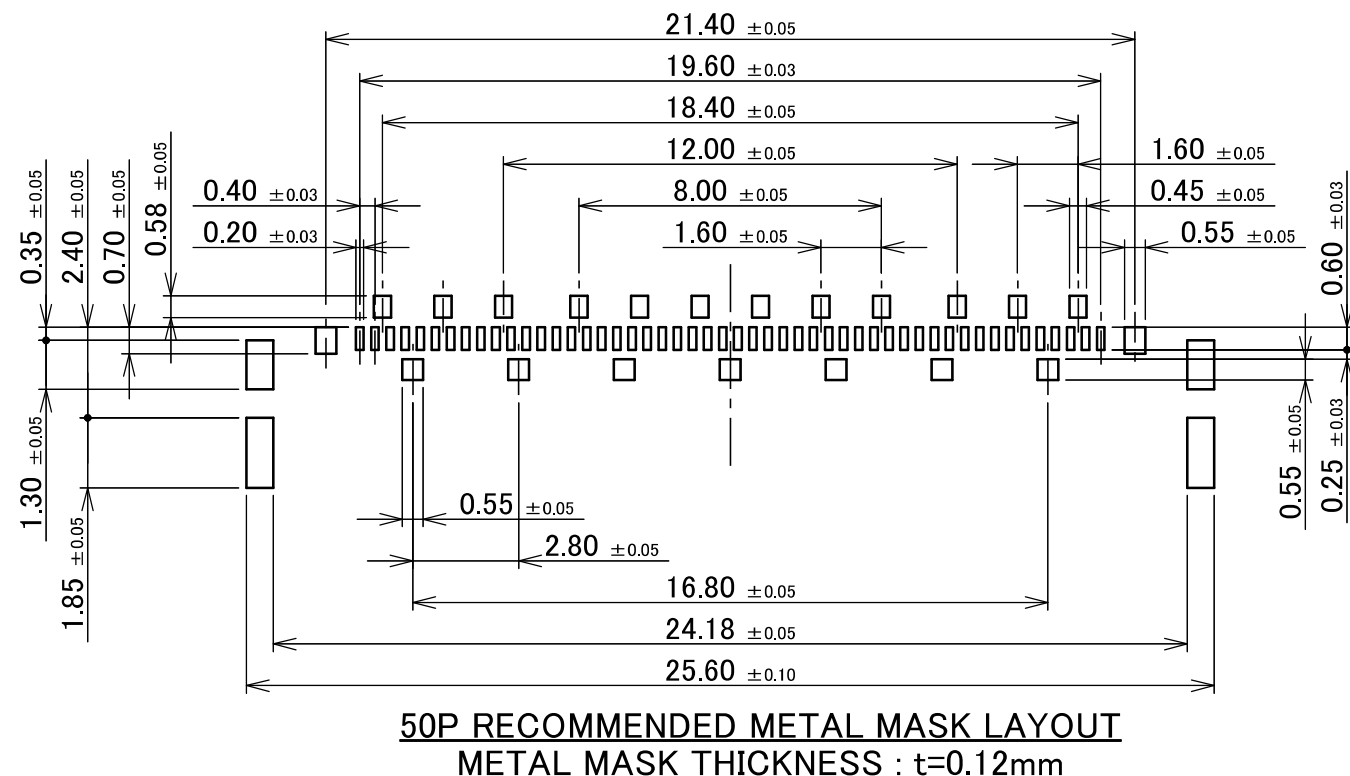
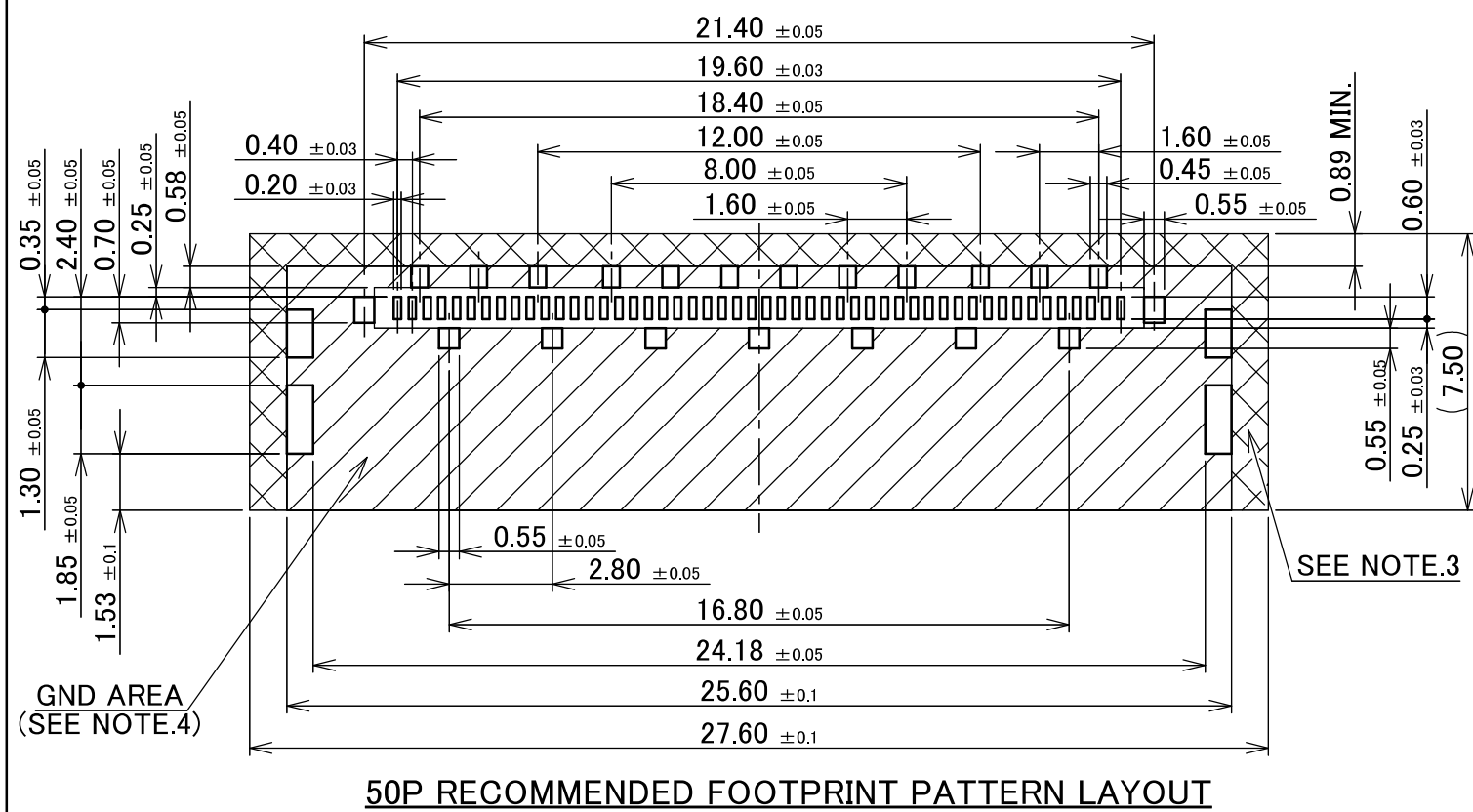
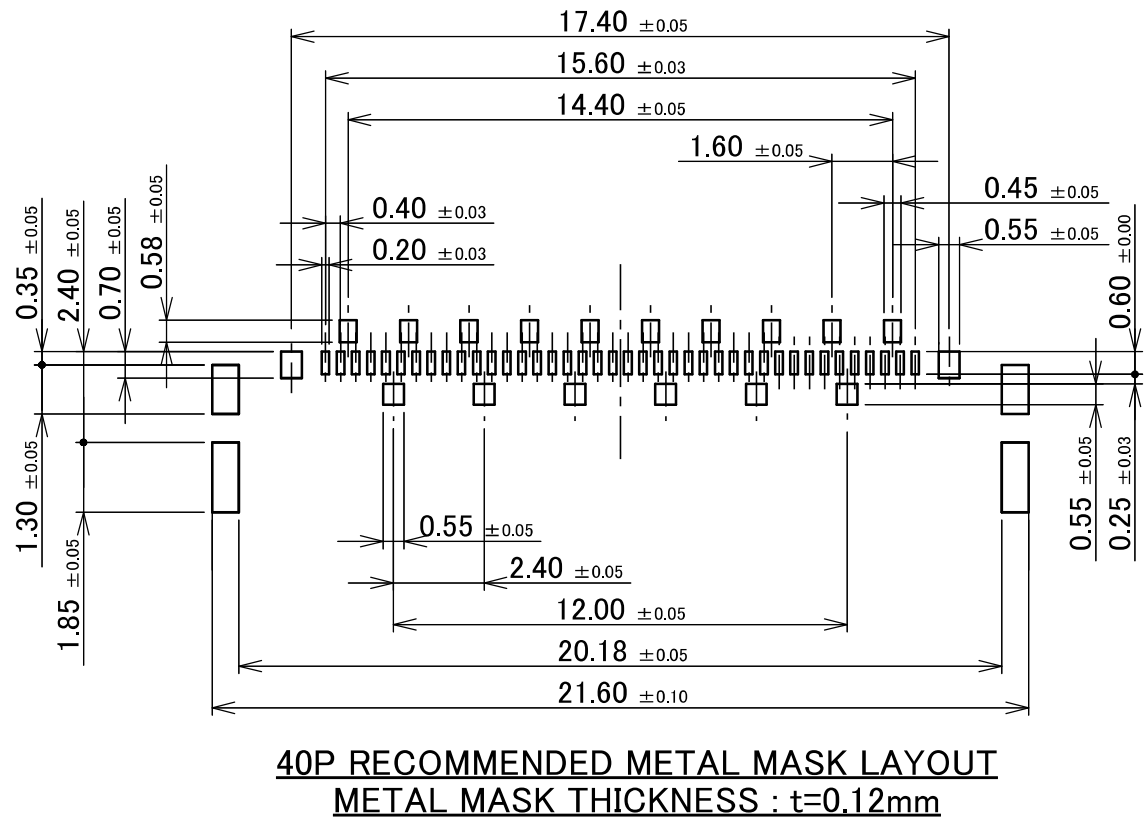
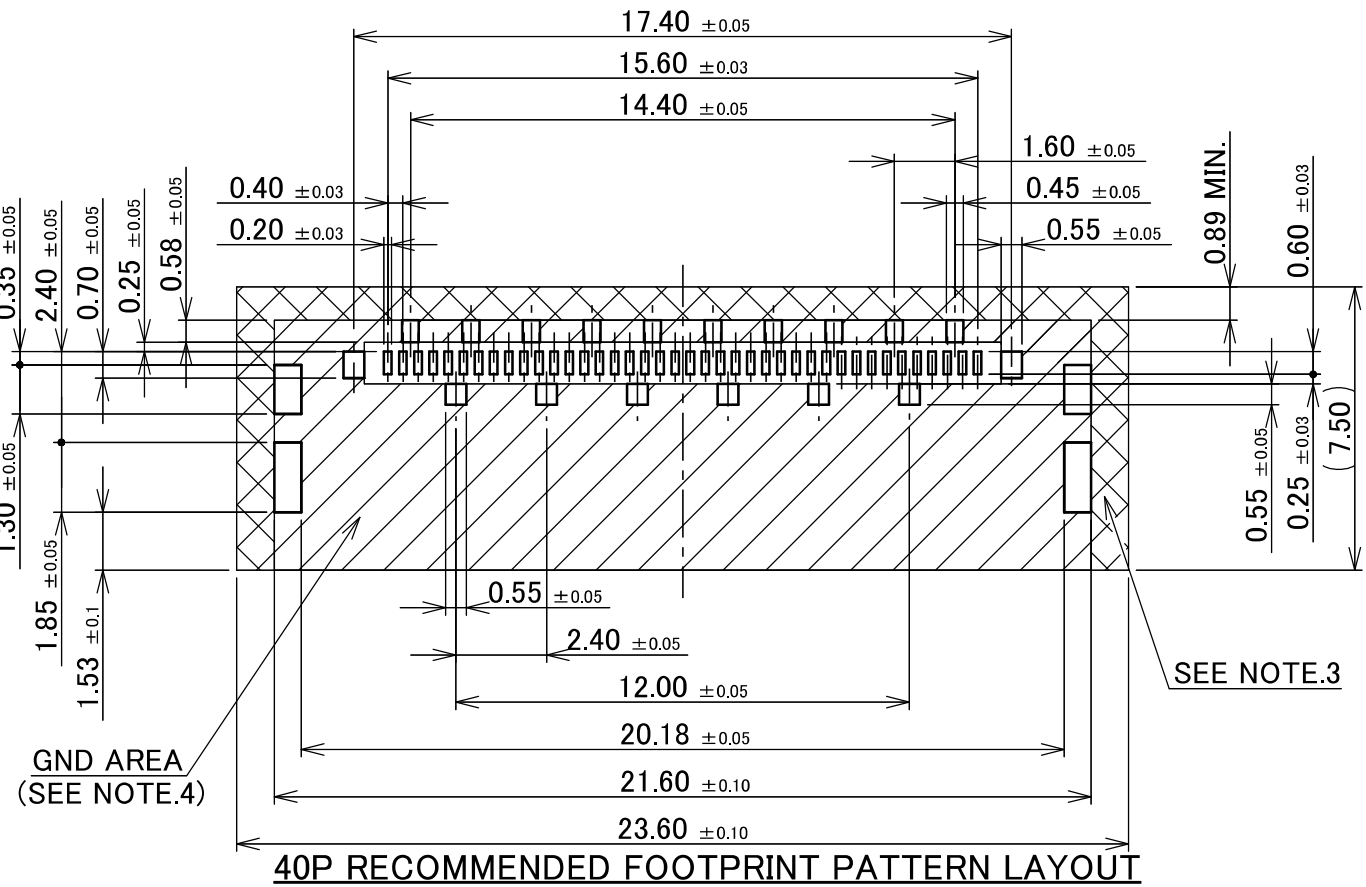
ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL : AWG #44 , 42 , 40 , 38 , 36 DISCRETE WIRE : AWG #36 , 34 TWINAXIAL CABLE : AWG #40 , 42
RATED VOLTAGE	100V AC (PER CONTACT PIN) ※THIS IS THE RATED VOLTAGE OF THE CONNECTOR. PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED.
RATED AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG #44] PER CONTACT PIN/UP TO 50 CONTACTS 0.24A AC/DC [AWG #42] PER CONTACT PIN/UP TO 50 CONTACTS 0.3A AC/DC [AWG #40] PER CONTACT PIN/UP TO 50 CONTACTS 0.5A AC/DC [AWG #38] PER CONTACT PIN/UP TO 18 CONTACTS 0.8A AC/DC [AWG #36] PER CONTACT PIN/UP TO 6 CONTACTS 1.0A AC/DC [AWG #34] PER CONTACT PIN/UP TO 6 CONTACTS ※TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERTURE RISE MAY AFFECTED BY ACTUAL SITUATION.
OPERATING TEMPERATURE	233 TO 378K (−40°C TO 105°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE	INITIAL : 180mohm MAX.(AWG #34) / AFTER TEST : $\triangle$ 40mohm MAX. 275mohm MAX.(AWG #36) 360mohm MAX.(AWG #38) 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 30 CYCLES)	20P : 9.70N MAX. 30P : 14.55N MAX. 40P : 19.40N MAX. 50P : 24.25N MAX.
UN-MATING FORCE (INITIAL / AFTER 30 CYCLES)	20P : 2.0N MIN. 30P : 3.0N MIN. 40P : 4.0N MIN. 50P : 5.0N MIN.
CABLE RETENTION FORCE	20P : 9.80N MIN. 30P : 14.55N MIN. 40P : 19.40N MIN. 50P : 24.25N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2163
TEST REPORT	TR-15103
INSTRUCTION MANUAL	HIM-15033
PACKING STANDARD	PST-15027
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE®-CA II RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					—		
CHK.						UNIT		
APP.						mm		
				DWG. No.	SIZE	SHEET	REV.	
				20682	A3	3/8	18	

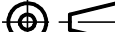
FOR CABLINE-CA IIF PLUG SHELL ASSEMBLY (DWG. NO. 20856)

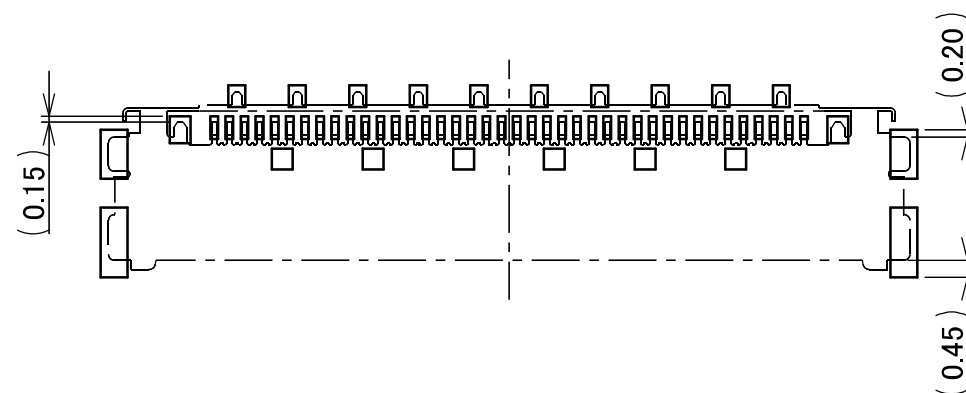
ITEMS	SPECIFICATION
RATED VOLTAGE	100V AC (PER CONTACT PIN)
RATED AMPERAGE (FOR SIGNAL CONTACT)	0.3A AC/DC (PER CONTACT PIN) ※TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERTURE RISE MAY AFFECTED BY ACTUAL SITUATION.
OPERATING TEMPERATURE	233 TO 358K(-40°C TO +85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 60mohm MAX. / AFTER TEST : $\triangleleft$ 40mohm MAX.
GROUND SHELL RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : $\triangleleft$ 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 : 13.5N MAX. 40P : 18.0N MAX. 50P : 22.5N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 1.44N MIN. 40P : 1.92N MIN. 50P : 2.40N MIN.
PRODUCT SPECIFICATION	PRS-2418
TEST REPORT	TR-17079
PACKING STANDARD	PST-17104
INSTRUCTION MANUAL	HIM-17029
ASSEMBLY MANUAL	ASM-17006
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE®-CA II RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					-		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20682		SIZE A3	SHEET 4/8	REV. 18

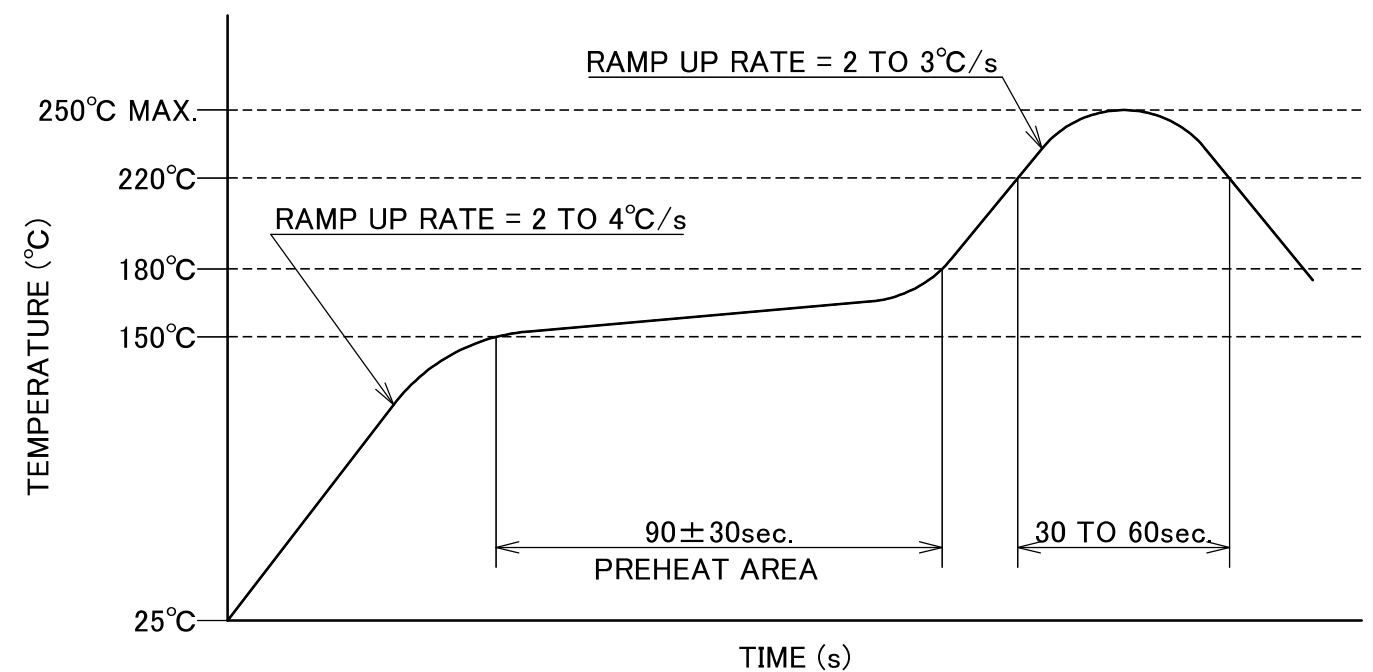


NOTES.
3. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.
4. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLIN [®] -CA II RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20682		SIZE A3	SHEET 6/8	REV. 18



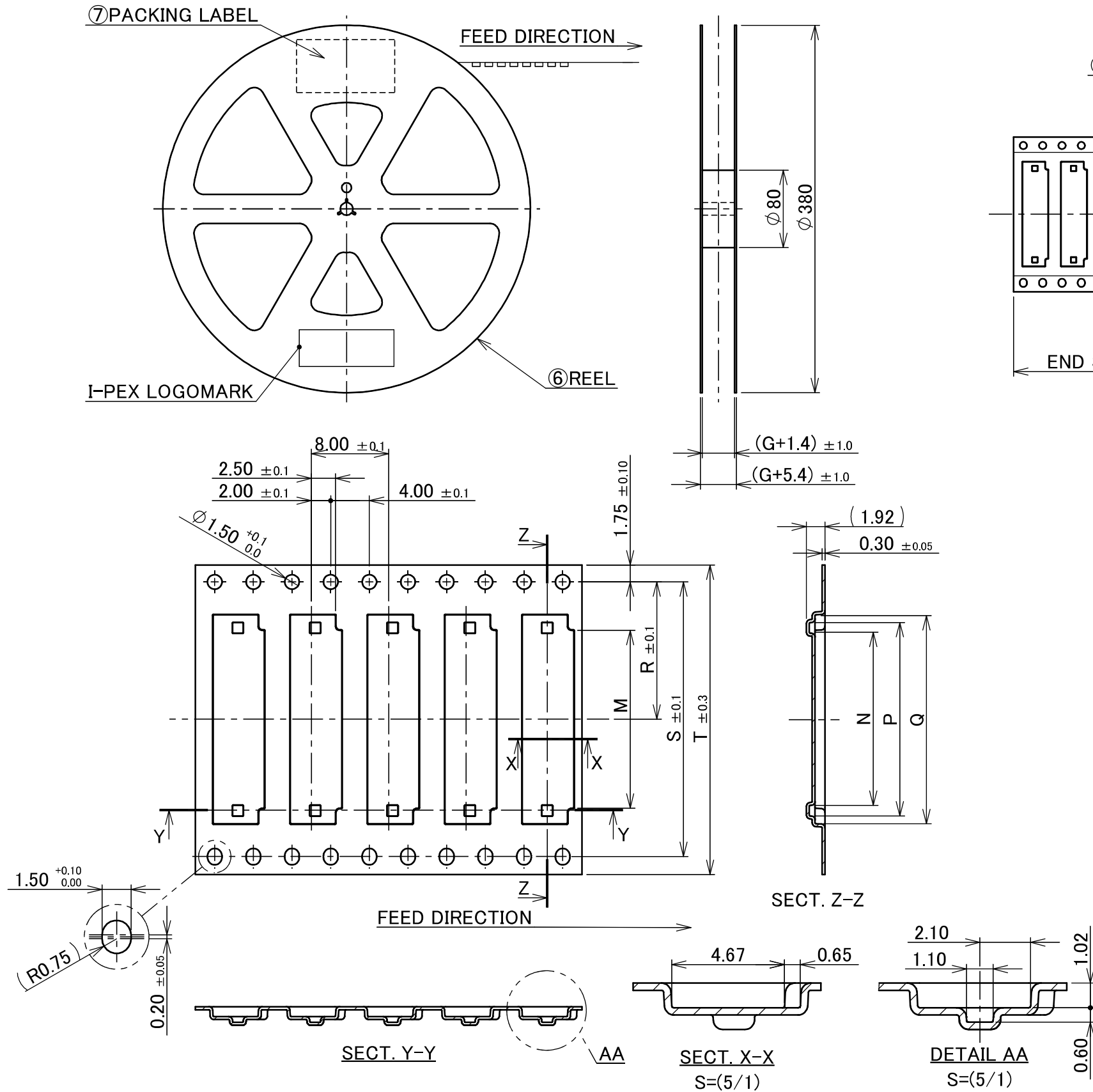
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.					TITLE CABLINE®-CA II RECEPTACLE ASSEMBLY	SCALE		
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	SIZE	SHEET	REV.	
				20682	A3	7/8	18	

PART NO.	G	M	N	P	Q	R	S	T	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20682-020E-02	24.00	7.60	9.80	12.00	13.60	11.50	-	24.00	5500 / REEL	5 / CARTON = 27500
20682-030E-02	32.00	14.40	13.80	16.00	17.60	14.20	28.40	32.00		4 / CARTON = 22000
20682-040E-02	32.00	18.40	17.80	20.00	21.60	14.20	28.40	32.00		3 / CARTON = 16500
20682-050E-02	44.00	22.40	21.80	24.00	25.60	20.20	40.40	44.00		



- NOTES.
- TAPING SPECIFICATION FOLLOWS JIS C 0806 (IEC 60286-3).
 - EMPTY SECTION OF LEADER AND END ON EACH END OF THE TAPE FOLLOW JIS C 0806 (IEC 60286-3).
 - 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. R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLIN®-CA II RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
			mm					
APP.				DWG. No.	SIZE	SHEET	REV.	
				20682	A3	8/8	18	