

Recommended P/N 20455-0\*\*E-76 (30P/40P/50P) 20455-A20E-76 (20P)

PART NO.	Pos.	A	B	C	D	U
20455-020E-#2	20	9.50	11.30	16.25	14.47	10.20
20455-030E-##	30	14.50	16.30	21.25	19.47	15.20
20455-040E-##	40	19.50	21.30	26.25	24.47	20.20
20455-050E-##	50	24.50	26.30	31.25	29.47	25.20

P/N:20455-0 \*\* E-##

SEE TABLE.1

Pos.



Halogen Free



RoHS Compliant

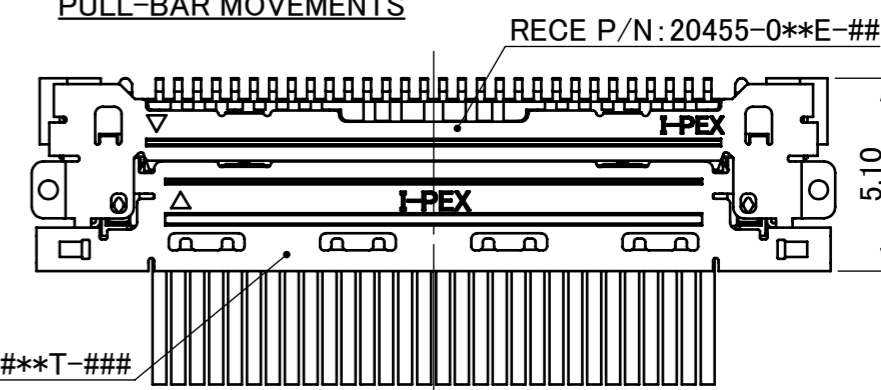
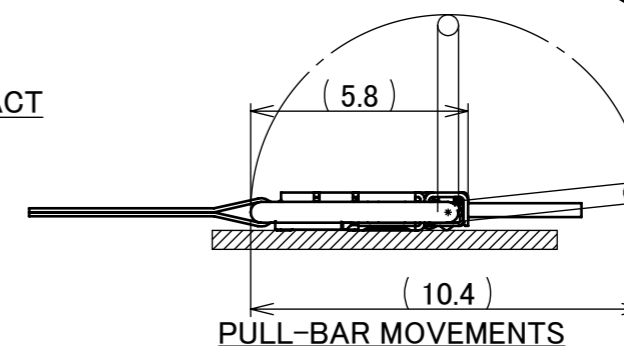
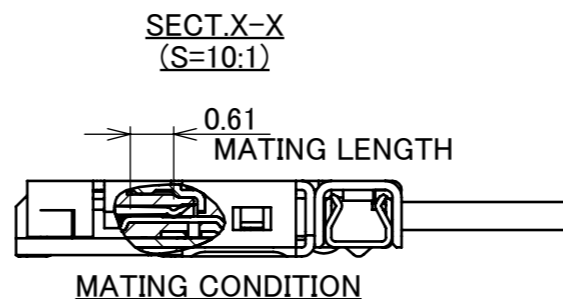
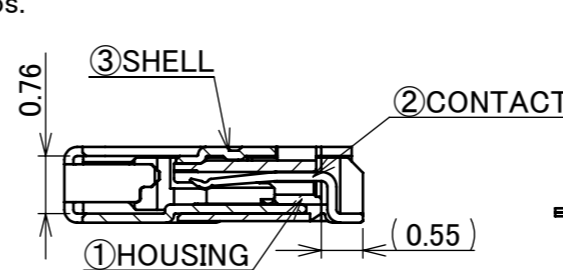
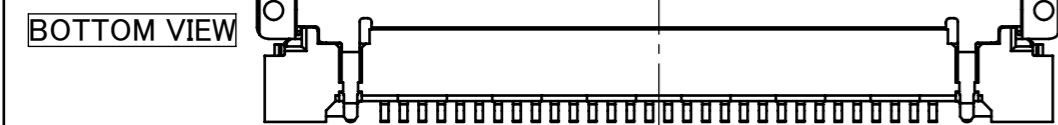
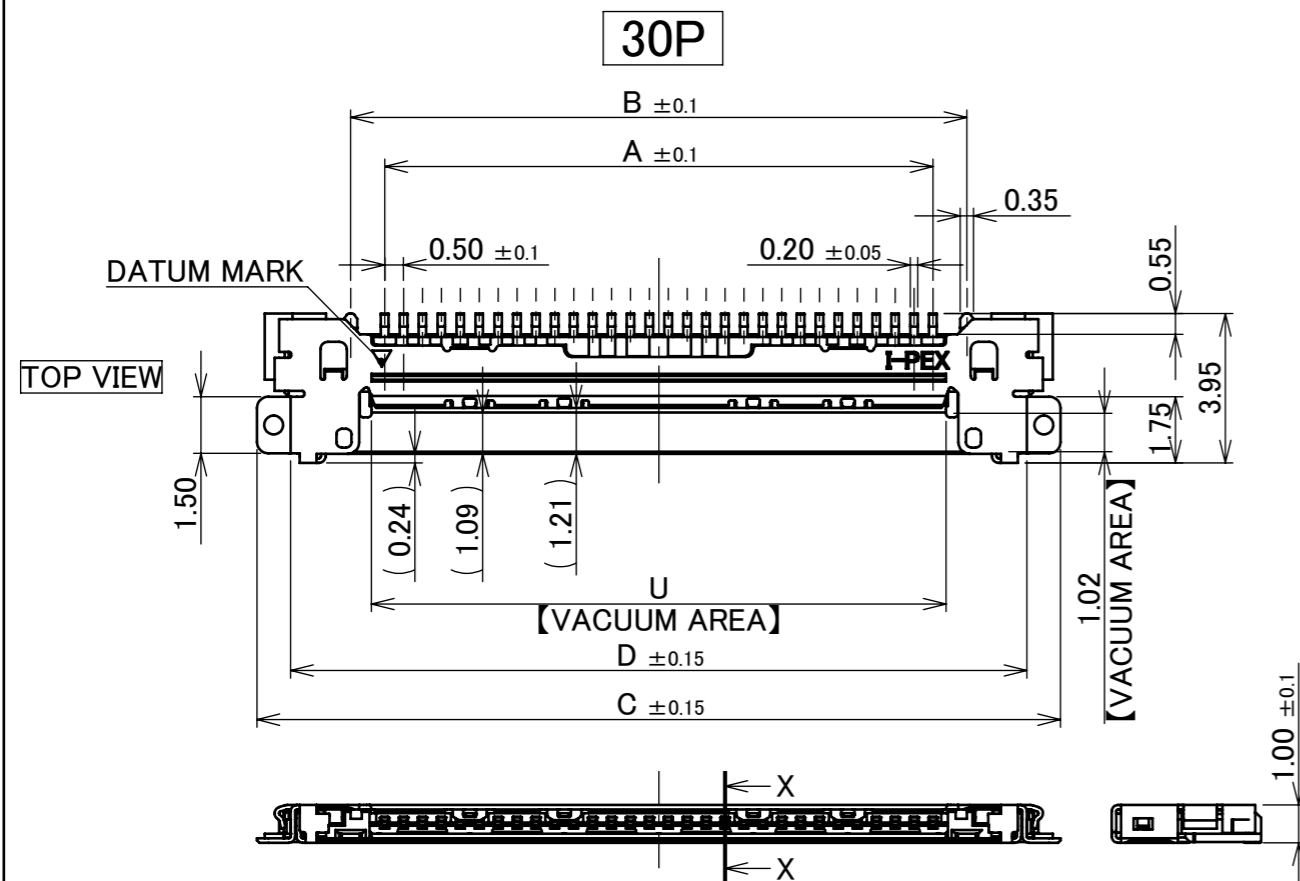
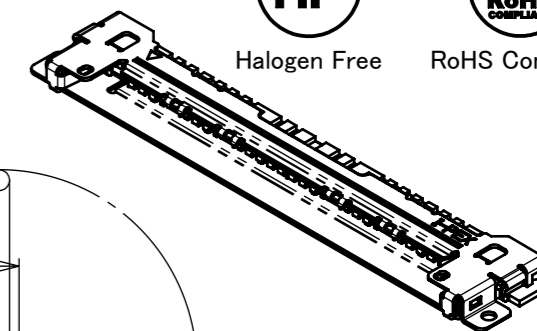


TABLE.1

PART NO.	DATUM MARK	CONTACT FINISH	SHELL FINISH
20455-0**E-02	WITH	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-0**E-12	WITHOUT	SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	
20455-0**E-66	WITH	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.01 μm MIN. OVER Ni 1.00 μm MIN.
20455-0**E-76	WITHOUT	SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	SHELL	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
1	HOUSING	LCP	UL94V-0, BLACK

REV.	ECN	BY	DATE	APP.	APP.	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.
31	Z231013	T.Ono	Sept./21/'23	T.M	ANGLE ±2° 6 OVER 30 MAX. ±0.3		R8	CABLINER <sup>®</sup> -VS RECEPTACLE ASSEMBLY	5:1	mm	I-PEX
30	Z220450	T.M	Apr./21/'22	H.I	6 MAX. ±0.2 30 OVER 120 MAX. ±0.5						
29	Z211259	R.M	Oct./18/'21	H.I	GENERAL TOLERANCE.						
28	Z201153	T.Ono	Nov./05/'20	H.I	DWG. H.Ikari DATE 2007/09/27						
27	Z190697	Y.Sasa	May/27/'19	H.I	CHK.						
26	Z181510	Y.M	Nov./19/'18	H.I							
REV.	ECN	BY	DATE	APP.	APP.	DWG. No.	20455		A3	1/6	31

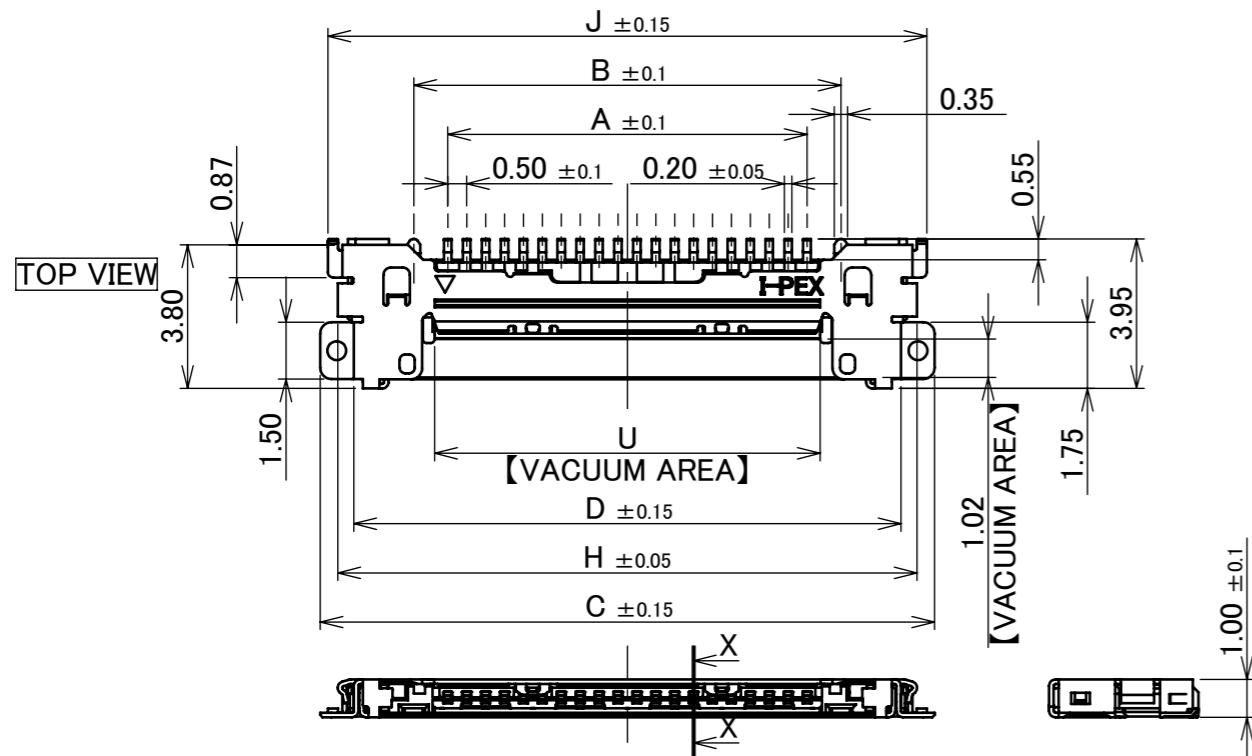
Recommended P/N 20455-0\*\*E-76 (30P/40P/50P) 20455-A20E-76 (20P)

PART NO.	Pos.	A	B	C	D	H	J	U
20455-A20E-##	20	9.50	11.30	16.25	14.47	15.32	15.84	10.20

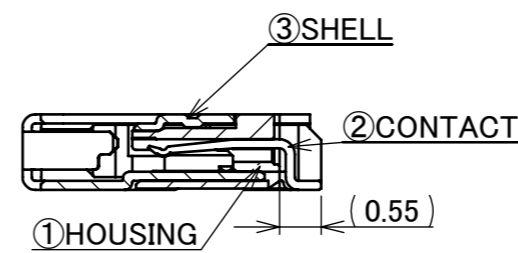
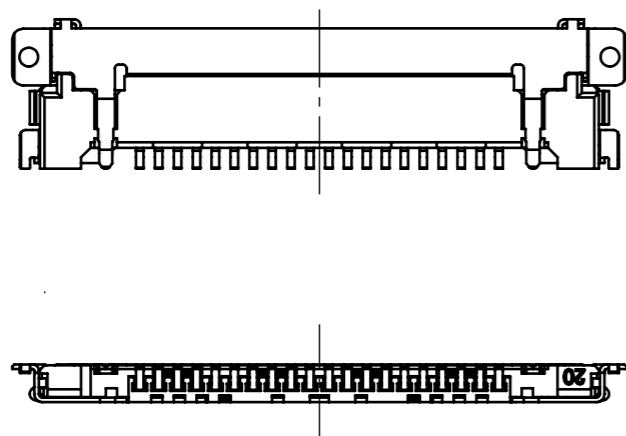
P/N:20455-A20E-##  
A : TYPE-A  
SEE TABLE.2



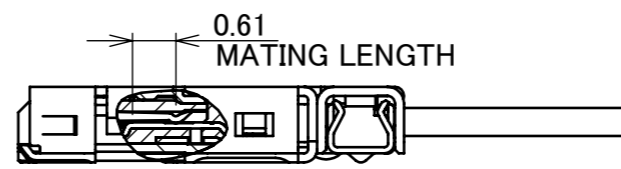
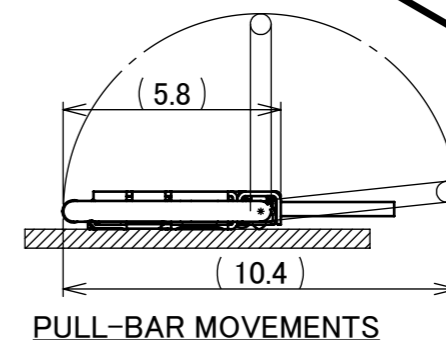
# TYPE-A



# BOTTOM VIEW



SECT X-X  
S= 10 : 1



MATING CONDITION

PLUG P/N: 20453-020T-##

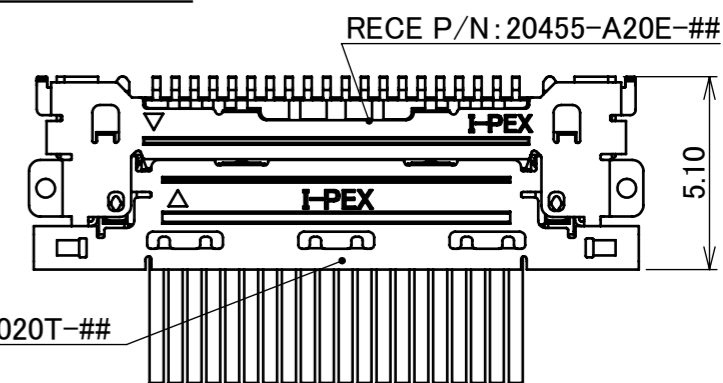


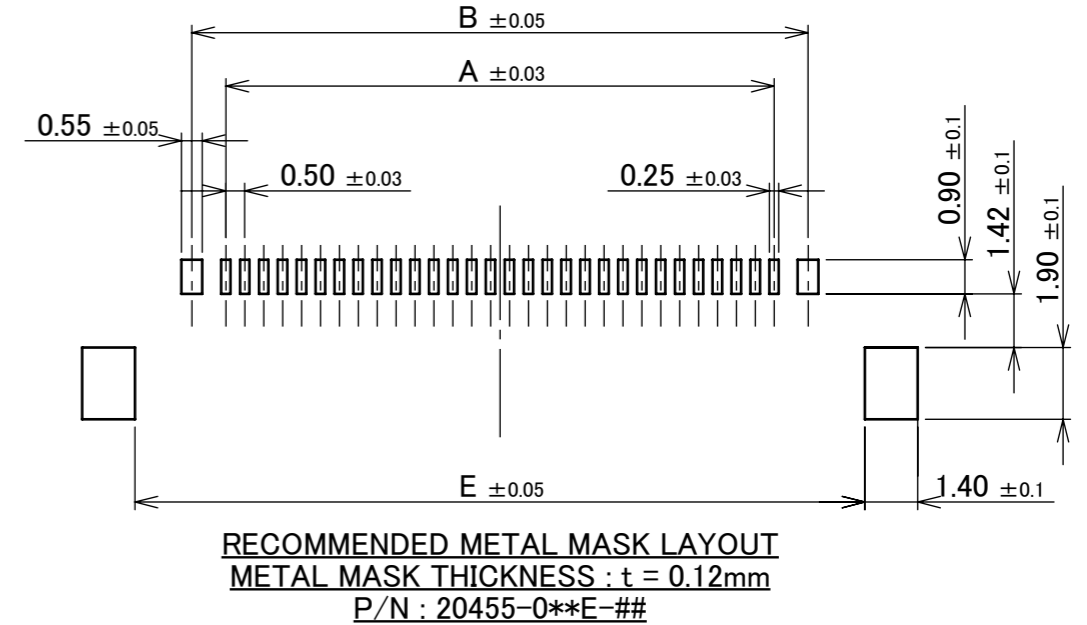
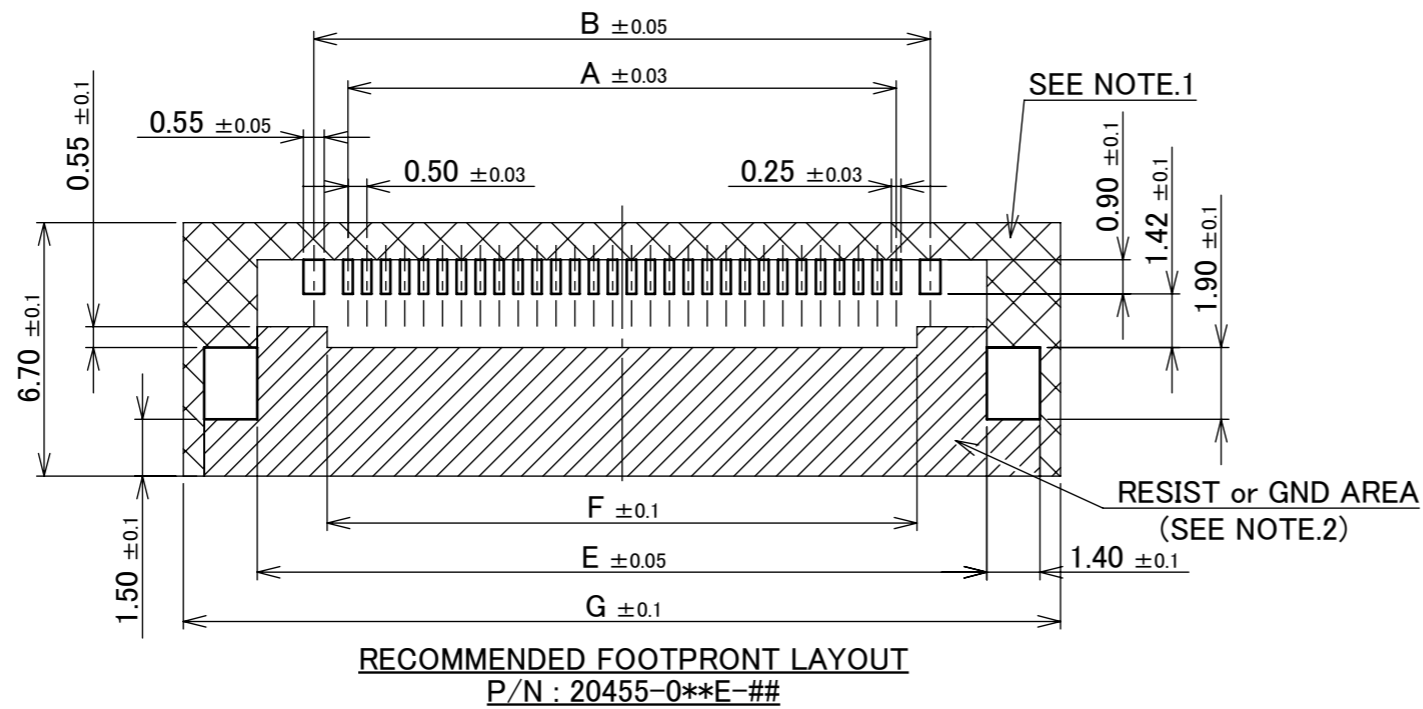
TABLE.2

PART NO.	DATUM MARK	CONTACT FINISH	SHELL FINISH
20455-A20E-02	WITH	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-A20E-66	WITH	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.01 μm MIN. OVER Ni 1.00 μm MIN.
20455-A20E-76	WITHOUT	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.01 μm MIN. OVER Ni 1.00 μm MIN.

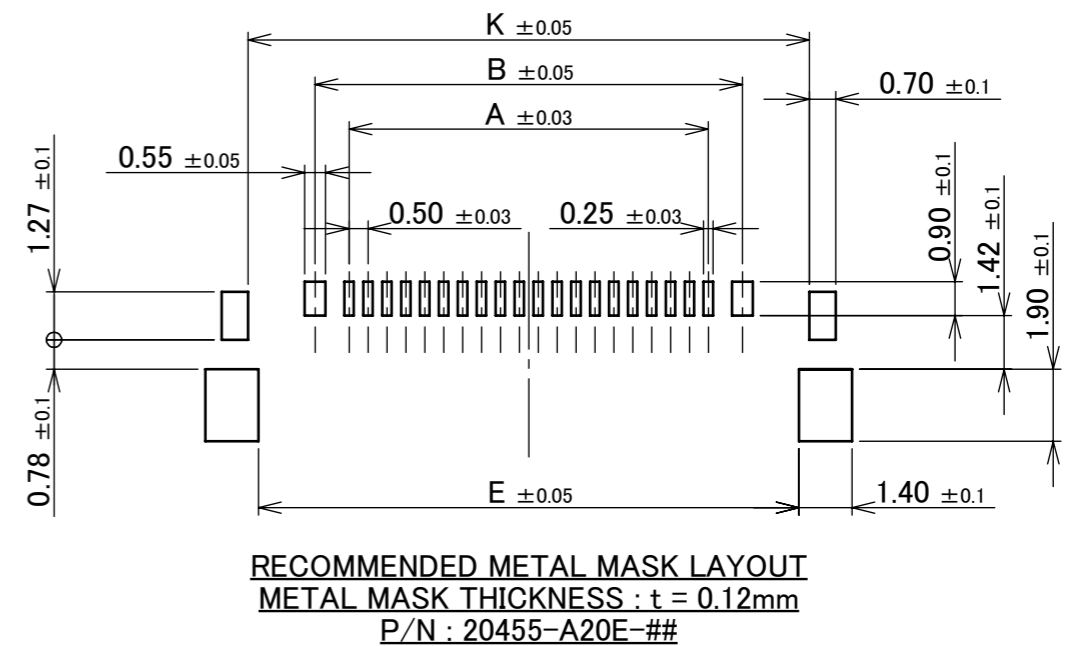
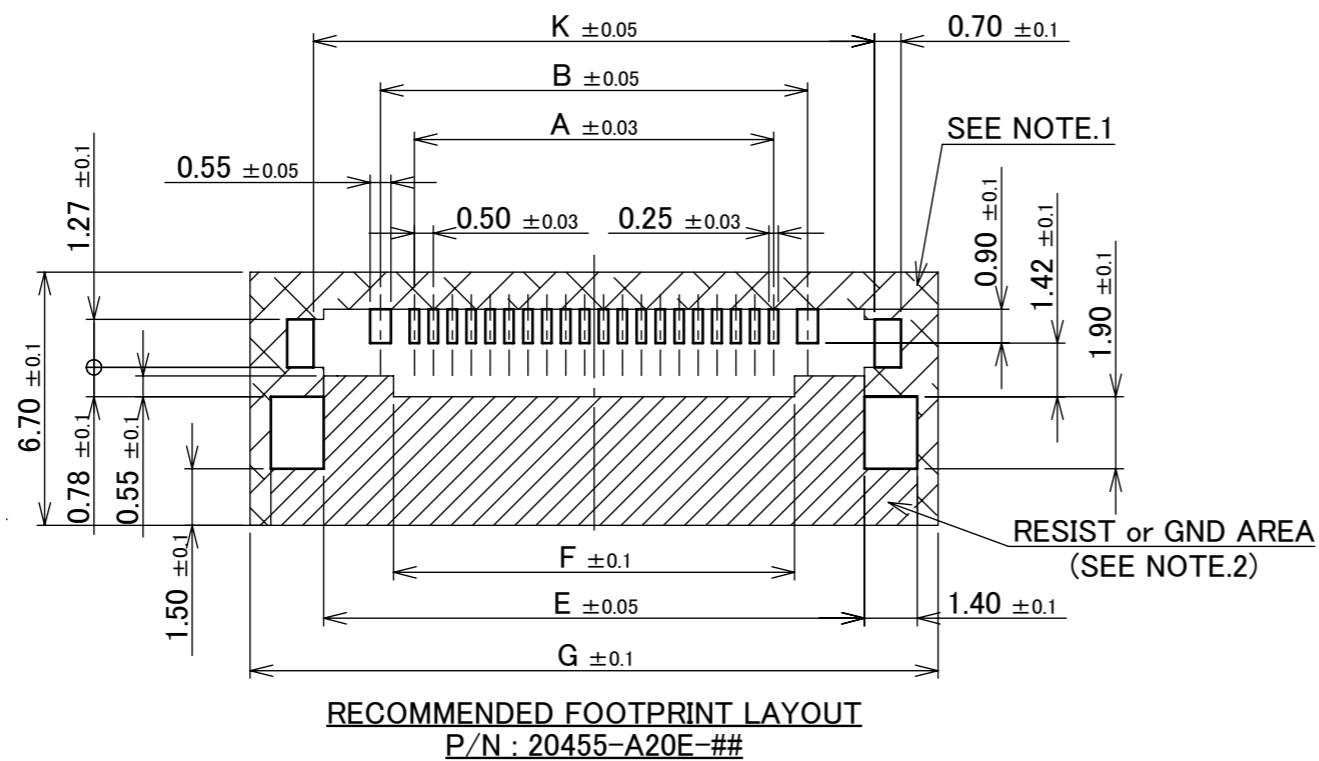
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	SHELL	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
1	HOUSING	LCP	UL94V-0, BLACK

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R8	CUSTOMER COPY			
	6 MAX.	±0.2	30 OVER 120 MAX.			±0.5	SCALE 5:1	I-PEX	
GENERAL TOLERANCE.						TITLE CABLINER <sup>®</sup> -VS RECEPTACLE ASSEMBLY	UNIT mm		
DWG.	DATE				DWG. No.	20455	SIZE A3	SHEET 2/6	REV. 31

PART NO.	Pos.	A	B	E	F	G	H	J	K
20455-#20E-##	20	9.50	11.30	14.30	10.60	18.20	15.32	15.84	14.84
20455-030E-##	30	14.50	16.30	19.30	15.60	23.20	-	-	-
20455-040E-##	40	19.50	21.30	24.30	20.60	28.20	-	-	-
20455-050E-##	50	24.50	26.30	29.30	25.60	33.20	-	-	-



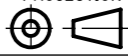
**TYPE-A**

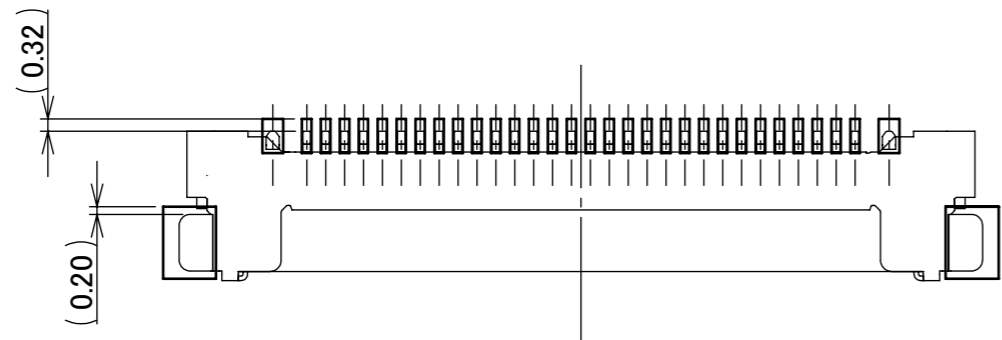


- NOTES.  
1. IN CASE OF PLUG WITH PULL-BAR, DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.  
2. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

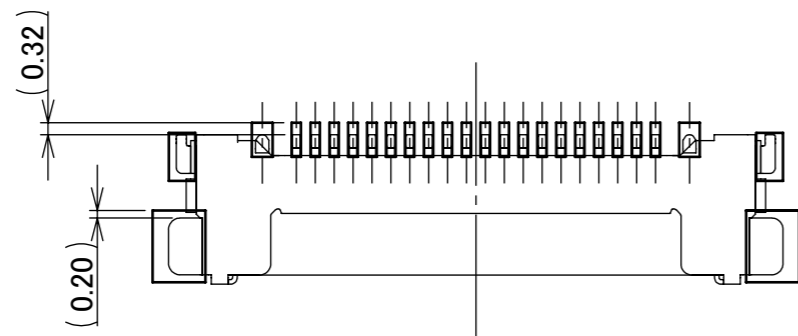
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R8	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLIN <sup>®</sup> -VS RECEPTACLE ASSEMBLY	SCALE 5:1	UNIT mm		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20455	SIZE A3	SHEET 3/6	REV. 31

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 44, 42, 40, 38, 36 DISCRETE WIRE : AWG# 36, 34, 32 TWINAX CABLE : AWG# 40
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING 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 14 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 10 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT PIN/UP TO 6 CONTACTS 1.0A AC/DC [AWG#32] PER CONTACT PIN/UP TO 6 CONTACTS TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPURECHER RISE MAY AFFECTED BY ACTUAL SITUATION.
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% R.H. MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 140mohm MAX.(AWG#32) / AFTER TEST : $\triangle$ 40mohm MAX. 180mohm MAX.(AWG#34) 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 TEST)	20P : 9.45N MAX. 30P : 12.15N MAX. 40P : 16.20N MAX. 50P : 20.25N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	20P : 2.0N MIN. 30P : 3.0N MIN. 40P : 4.0N MIN. 50P : 5.0N MIN.
CABLE RETENTION FORCE	20P : 9.80N MIN. 30P : 14.70N MIN. 40P : 19.60N MIN. 50P : 24.50N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-1427
TEST REPORT	TR-08047 (20455-***E-#2) TR-13084 (20455-***E-#6, 20455-0**E-#8)
PACKING STANDARD	300-643
INSTRUCTION MANUAL	HIM-08004
APPEARANCE CRITERIA NO.	QLS-A***

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	$\pm 0.3$	PROJECTION 	SERIES No. R8	CUSTOMER COPY			
	6 MAX.	$\pm 0.2$	30 OVER 120 MAX.			$\pm 0.5$	SCALE 5:1	<b>I-PEX</b>	
GENERAL TOLERANCE.						TITLE CABLIN <sup>®</sup> -VS RECEPTACLE ASSEMBLY	UNIT mm		
DWG.	DATE				DWG. No. 20455	SIZE A3	SHEET 4/6	REV. 31	
CHK.									
APP.									

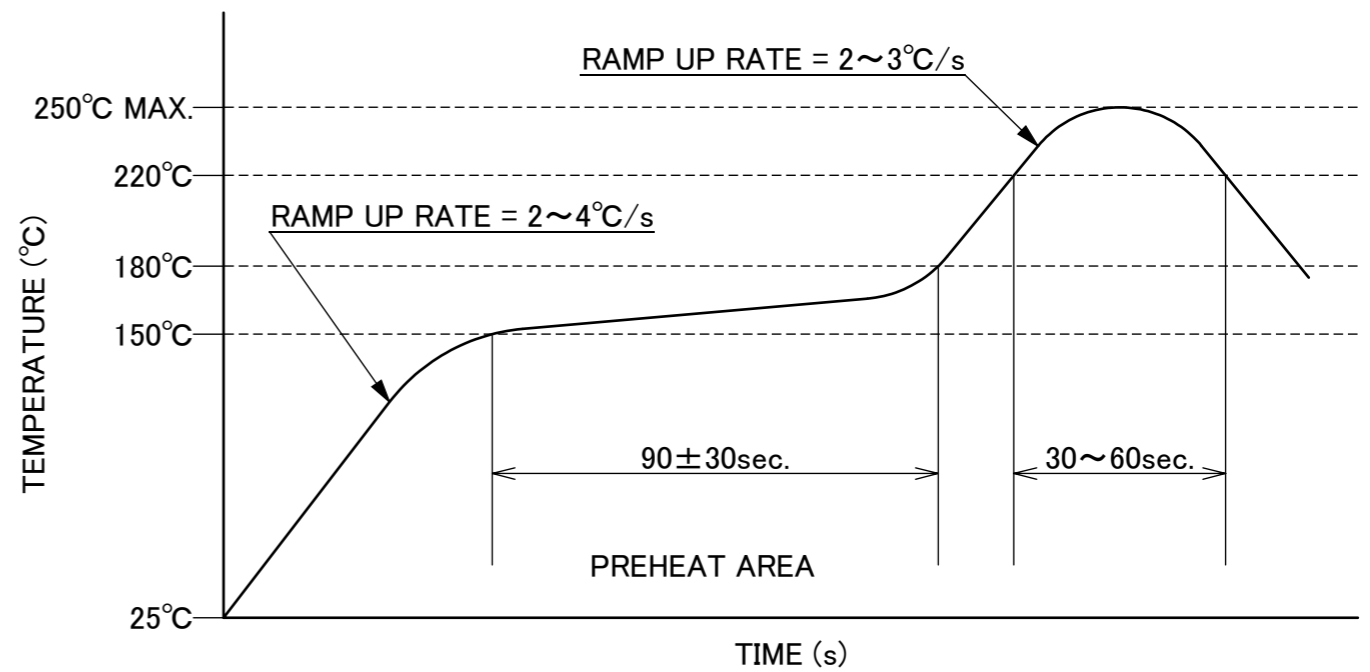


CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN  
P/N : 20455-0\*\*E-##



TYPE-A

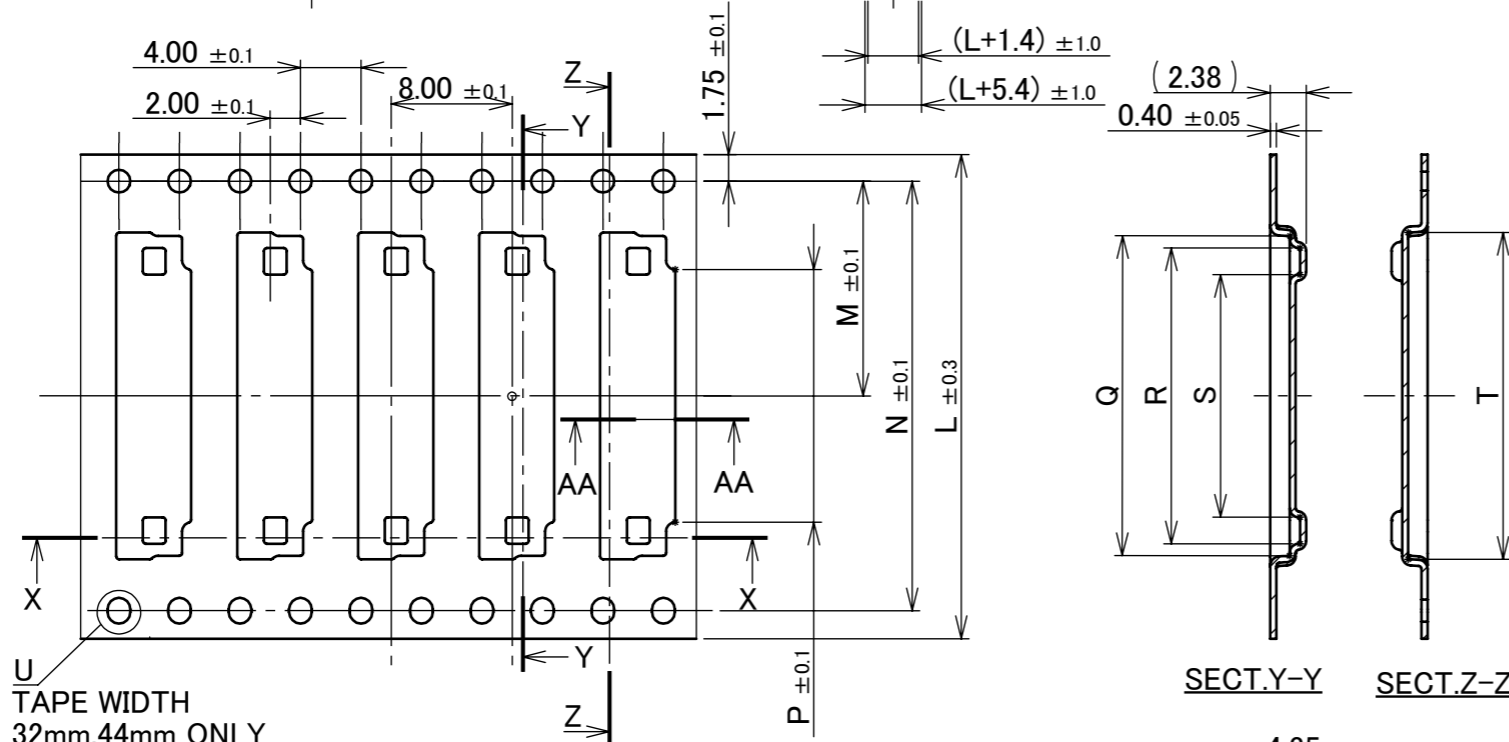
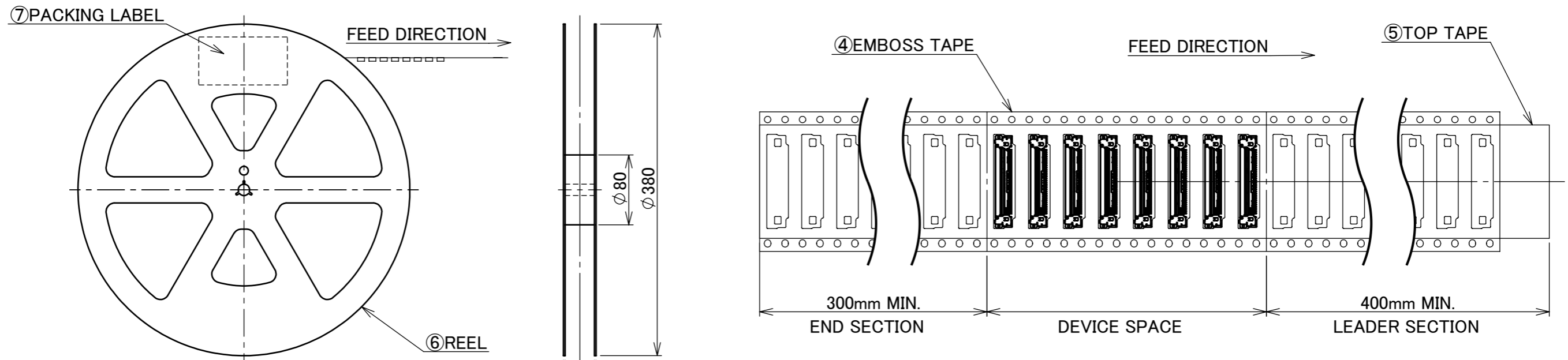
CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN  
P/N : 20455-A20E-##



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

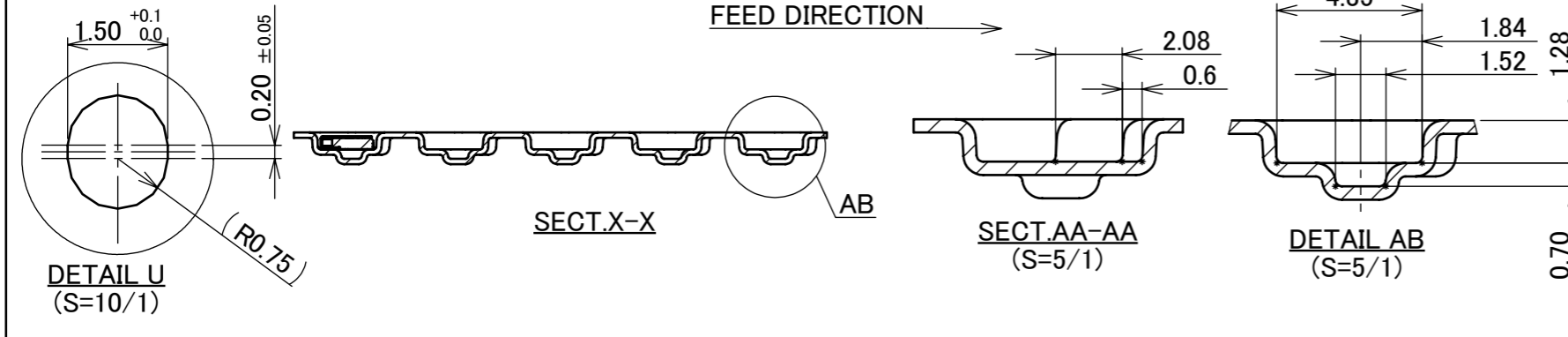
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R8	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
GENERAL TOLERANCE.				TITLE		SCALE	<b>I-PEX</b>		
DWG.	DATE			CABLIN <sup>®</sup> -VS RECEPTACLE ASSEMBLY		5:1			
CHK.						UNIT			
APP.						mm			
				DWG. No.	20455	SIZE	SHEET	REV.	
						A3	5/6	31	

PART NO.	L	M	N	P	Q	R	S	T	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20455-#20E-##	24.0	11.5	-	11.7	16.2	14.6	11.1	16.6	5000 / REEL	5 REELS / CARTON = 25000
20455-030E-##	32.0	14.2	28.4	16.7	21.2	19.6	16.1	21.6		3 REELS / CARTON = 15000
20455-040E-##	44.0	20.2	40.4	21.7	26.2	24.6	21.1	26.6		3 REELS / CARTON = 15000
20455-050E-##	44.0	20.2	40.4	26.7	31.2	29.6	26.1	31.6		3 REELS / CARTON = 15000



- 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.	DISCRIPTION	MATERIAL	FINISH , REMARKS
7	PACKING LABEL	-	-
6	REEL	PS	ANTI-STATIC TYPE BLACK
5	TOP TAPE	PET t=0.062 TRANSPARENCY	ANTI-STATIC TYPE
4	EMBOSS TAPE	PS t=0.3 TRANSPARENCY	ANTI-STATIC TYPE



ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R8	CUSTOMER COPY	
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5				
GENERAL TOLERANCE.				TITLE CABLIN® -VS RECEPTACLE ASSEMBLY	SCALE 5:1	UNIT mm	
DWG.	DATE						
CHK.							
APP.							
DWG. No. 20455				SIZE A3	SHEET 6/6	REV. 31	