

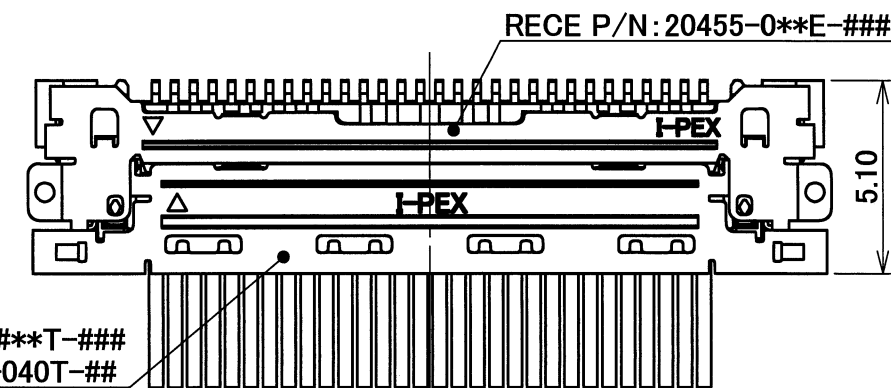
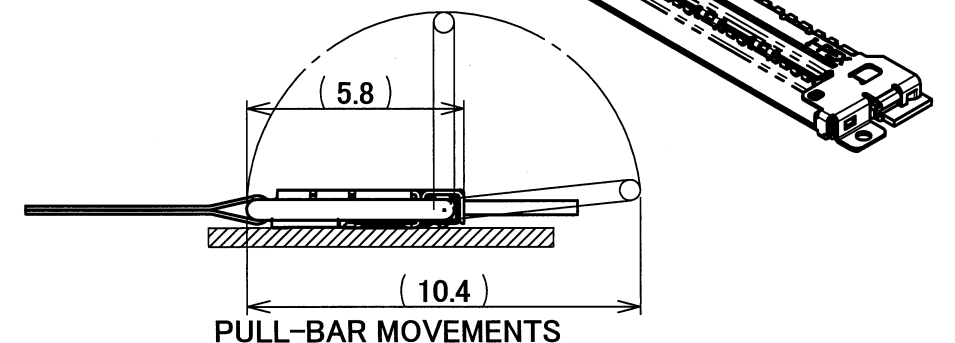
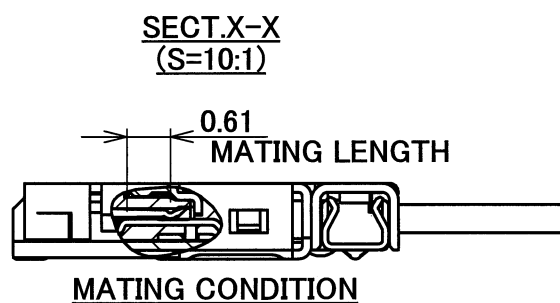
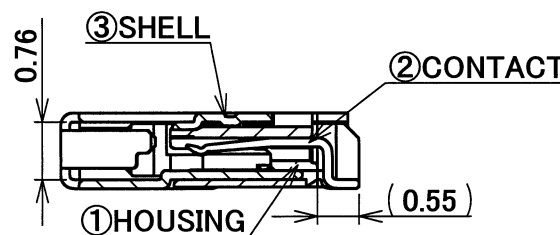
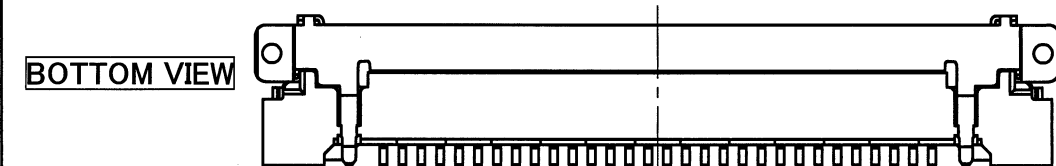
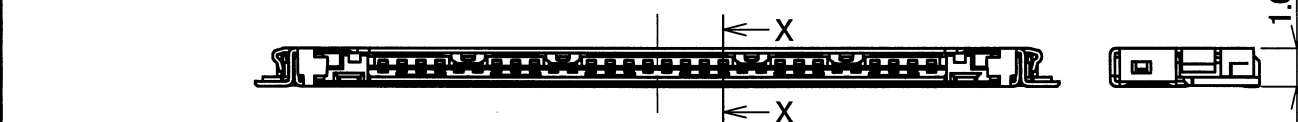
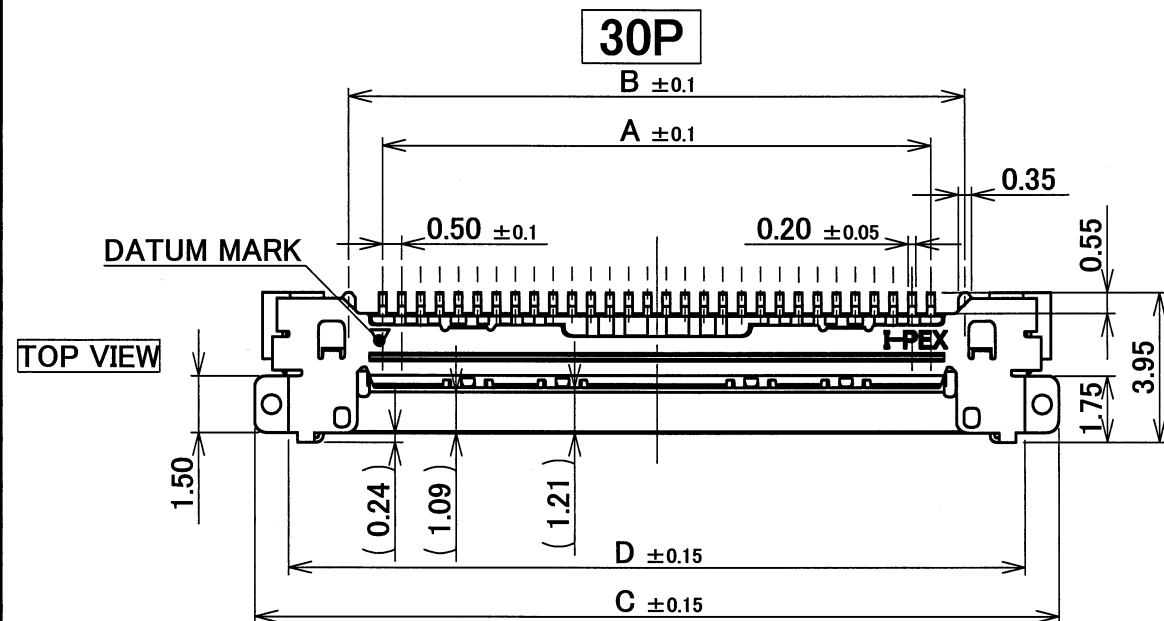
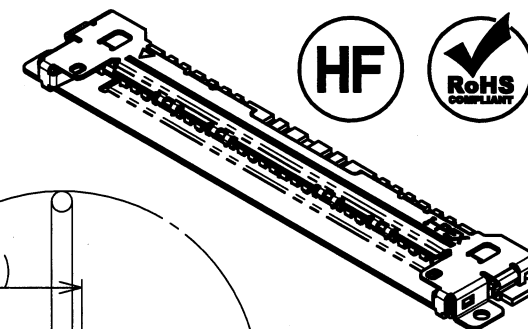
PART NO.	Pos.	A	B	C	D
20455-020E-#2#	20	9.50	11.30	16.25	14.47
20455-030E-###	30	14.50	16.30	21.25	19.47
20455-040E-###	40	19.50	21.30	26.25	24.47
20455-050E-###	50	24.50	26.30	31.25	29.47

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

NOTHING : PACKING QTY. IS 5000 IN REEL
-S : PACKING QTY. IS 500 IN REEL

SEE TABLE.1

Pos.



PLUG P/N: 20453-***T-###
20508-040T-##

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. SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-0**E-12#	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.
20455-0**E-66#	WITH	CONTACT AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	ALL OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-0**E-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.	
20455-0**E-89#	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.	
20455-0**E-99#	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.	

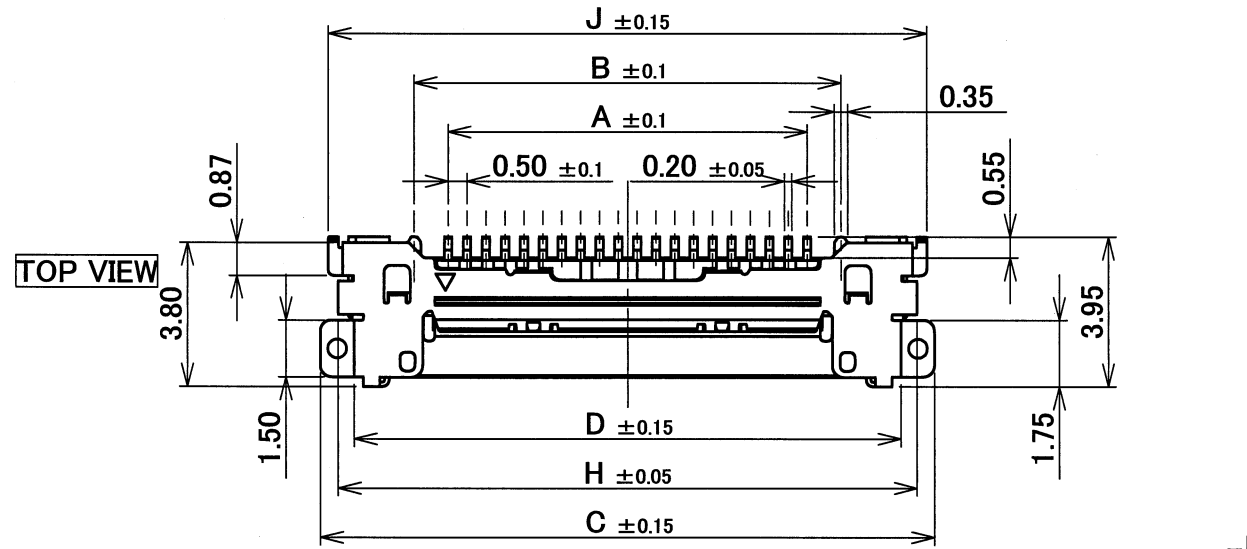
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	SHELL	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
1	HOUSING	LCP	UL94V-0, BLACK

REV.	ECN	BY	DATE	APP.	ANGLE	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY
27	Z190697	Y.Sasa	May/27/'19		±2°	6 OVER 30 MAX.	±0.3		R7	CUSTOMER COPY
26	Z181510	Y.M	Nov./19/'18	H.I	6 MAX. ±0.2	30 OVER 120 MAX.	±0.5			
25	Z181146	Y.M	Aug./31/'18	H.I	GENERAL TOLERANCE.				R7	SCALE 5:1 UNIT mm SIZE A3 SHEET 1/6 REV. 27
24	Z181018	A.K	Aug./02/'18	H.I	DWG.	DATE	Sept./27/'07			
23	Z180963	A.K	July/24/'18	H.I	H.Ikari	DATE				
22	Z180796	A.K	June/20/'18	H.I	CHK.	DATE				
REV.	ECN	BY	DATE	APP.	APP.	DATE	DWG. No.	20455		

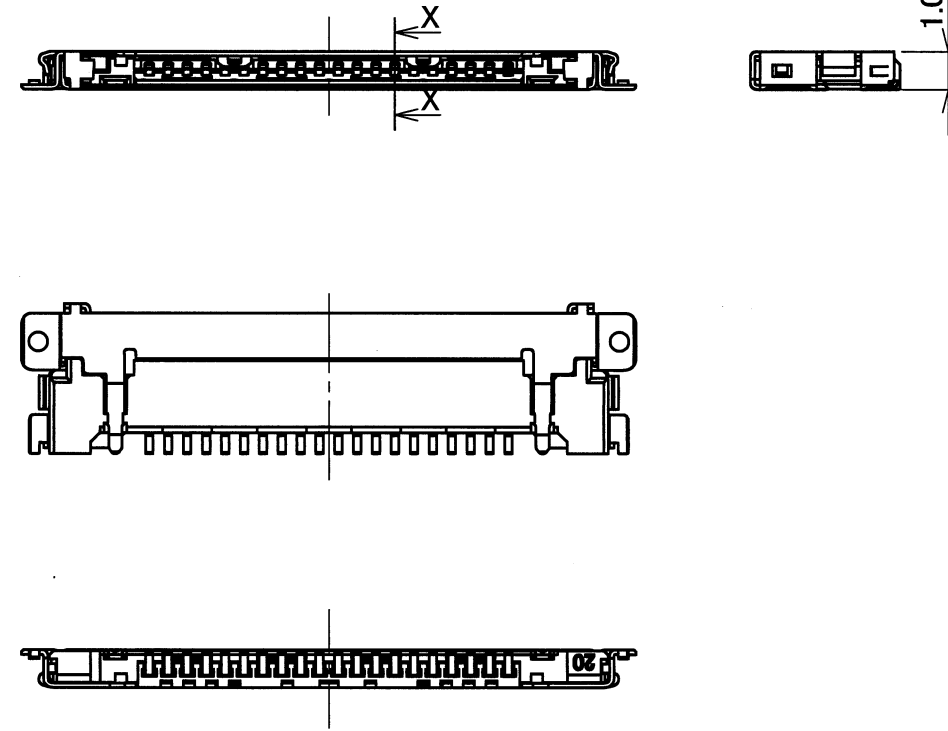
Recommended P/N 20455-0**E-99 (30P/40P/50P) 20455-A**E-99 (20P)

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

TYPE-A



BOTTOM VIEW



P/N:20455-A20E-## #
 A : TYPE-A
 NOTHING : PACKING QTY. IS 5000 IN REEL
 -S : PACKING QTY. IS 500 IN REEL
 SEE TABLE.2

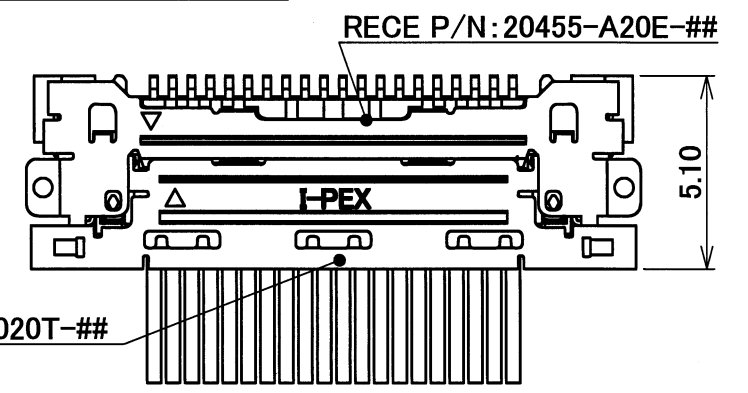
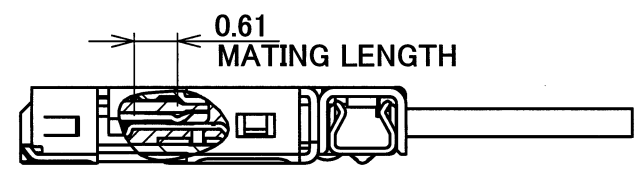
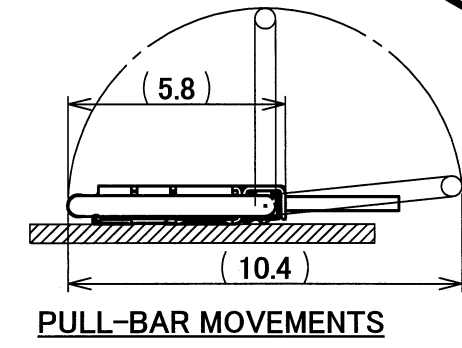
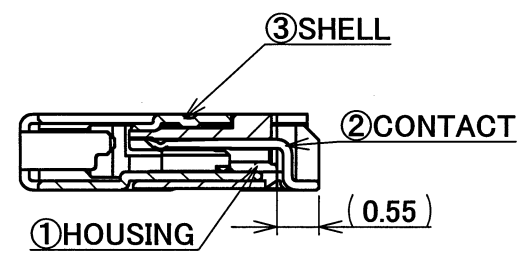
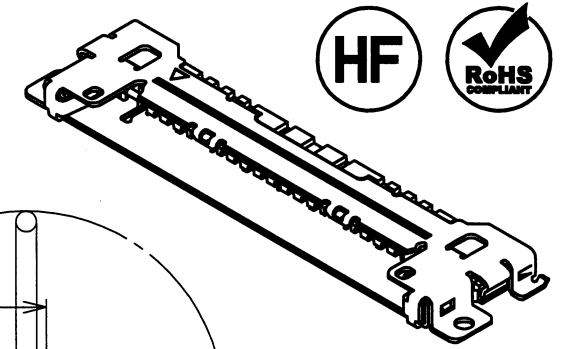


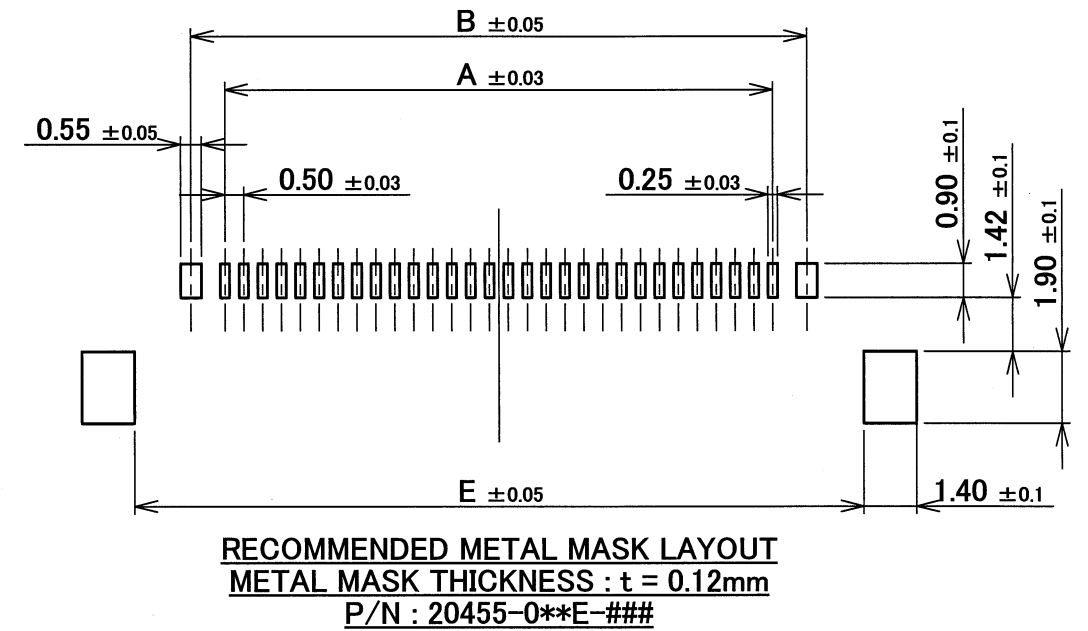
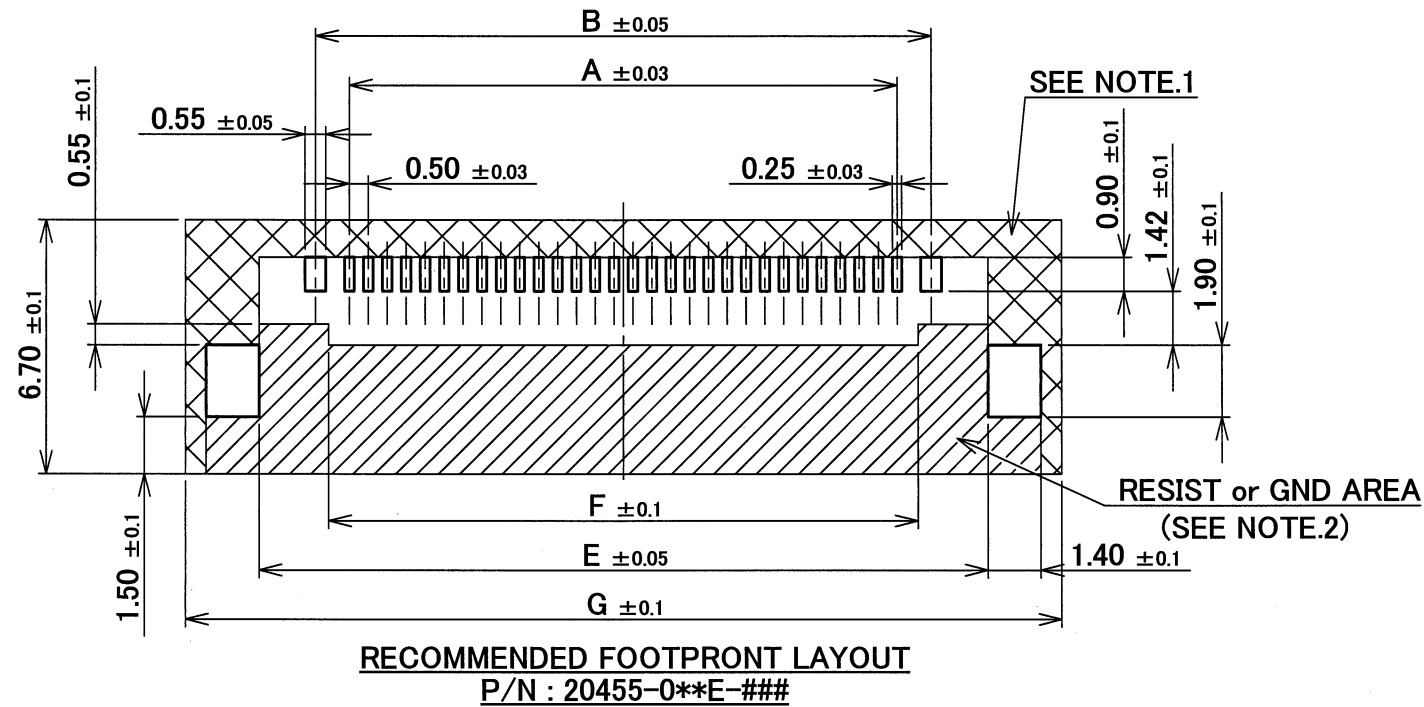
TABLE.2

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-12#	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.
20455-A20E-66#	WITH	CONTACT AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	ALL OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-A20E-76#	WITHOUT	CONTACT AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-A20E-89#	WITH	CONTACT AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.
20455-A20E-99#	WITHOUT	CONTACT AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	Au 0.02 μm MIN. OVER Ni 1.00 μm MIN.

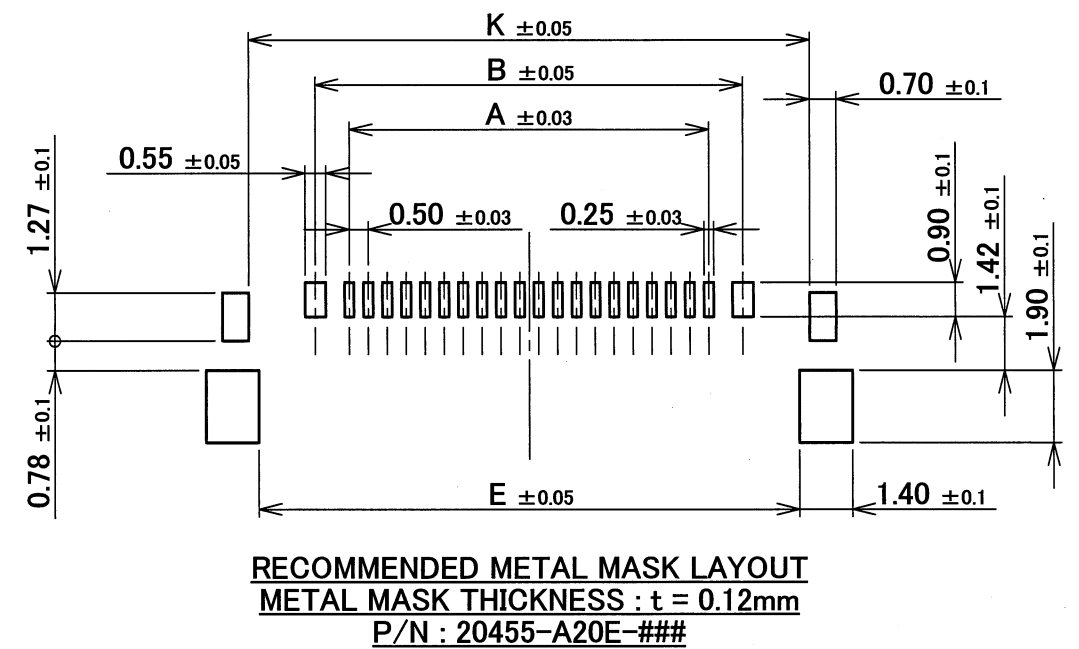
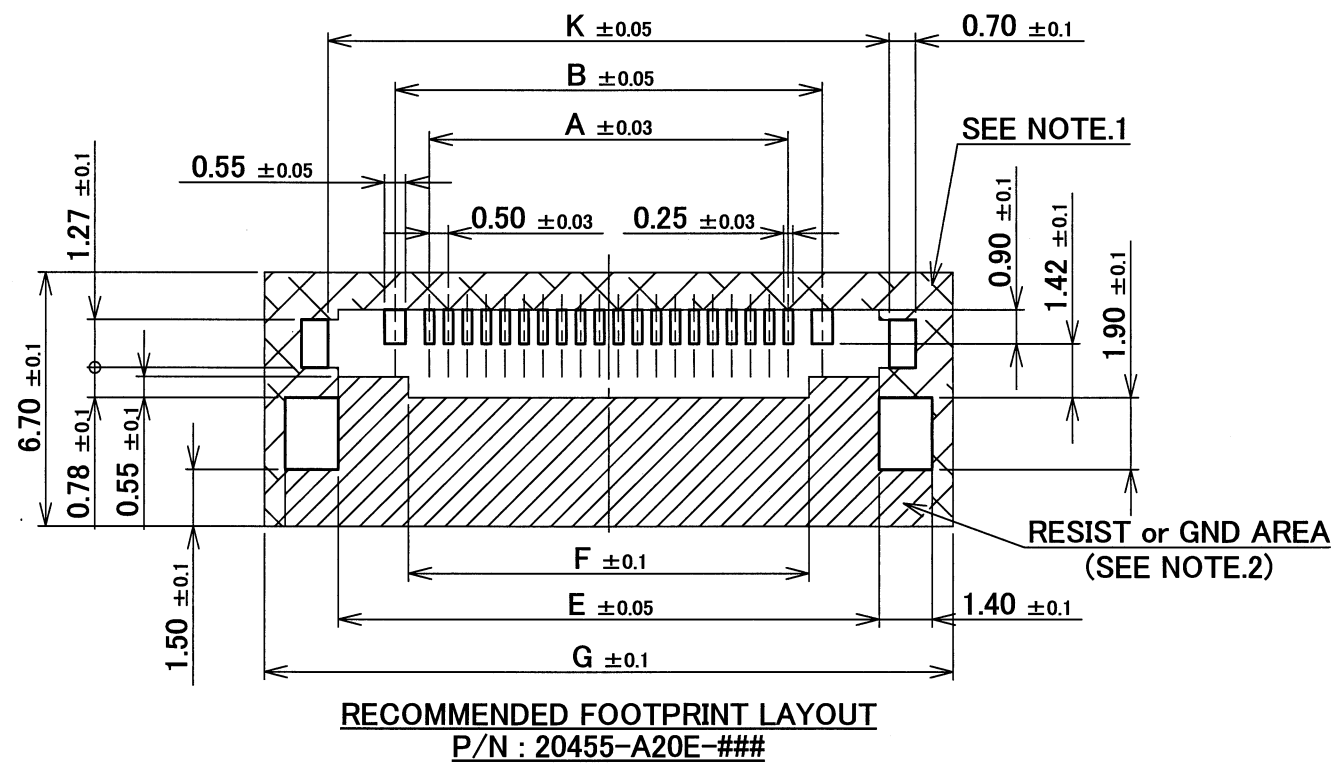
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	SHELL	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
1	HOUSING	LCP	UL94V-0, BLACK

REVISION RECORD					ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R7	CUSTOMER COPY	
						6 MAX.	±0.2	30 OVER 120 MAX.				±0.5
REVISION RECORD					GENERAL TOLERANCE.				TITLE CABLIN®-VS RECE ASS'Y	SCALE 5:1	UNIT mm	SIZE A3
					DWG.	DATE						
REVISION RECORD					CHK.	DATE			DWG. No. 20455	SHEET 2/6	REV. 27	
					APP.	DATE						

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	-	-	-



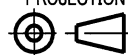
TYPE-A



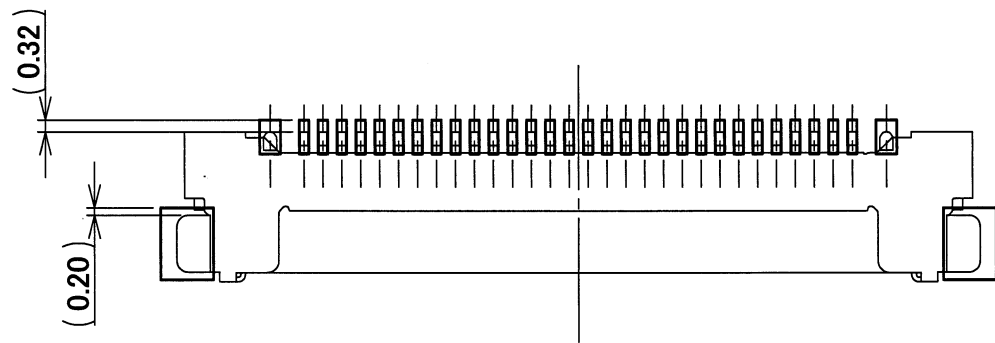
- NOTES.
1. IN CASE OF PLUG WITH PULL-BAR, THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.
 2. SOLDER RESIST SHALL BE APPLIED TO PREVENT SHORT CIRCUITS WHEN PLACING SIGNAL LINES ON GROUND AREA.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R7	
GENERAL TOLERANCE.				TITLE	SCALE	
DWG.	DATE			CABLIN [®] -VS RECE ASS'Y	5:1	
CHK.	DATE				UNIT	
APP.	DATE			DWG. No.	SIZE	
				20455	A3	SHEET 3/6 REV. 27

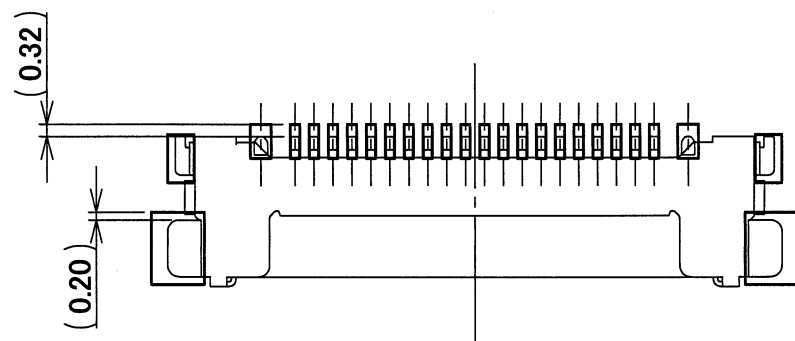
ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO COAX : AWG# 44, 42, 40, 38, 36 DISCRETE : AWG# 36, 34, 32 TWINCOAX : AWG# 40
RATING VOLTAGE	100V AC (PER CONTACT)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT/UP TO 50 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT/UP TO 50 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT/UP TO 50 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT/UP TO 14 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT/UP TO 10 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT/UP TO 6 CONTACTS 1.0A AC/DC [AWG#32] PER CONTACT/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#) TR-16002 (20455-***E-#9#)
PACKING STANDARD	300-643
INSTRUCTION MANUAL	HIM-08004

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R7	CUSTOMER COPY
	6 MAX.	± 0.2	30 OVER 120 MAX.			
GENERAL TOLERANCE.				TITLE		SCALE
DWG.	DATE			CABLIN [®] -VS RECE ASS'Y		5:1
CHK.	DATE					UNIT
APP.	DATE					mm
				DWG. No.	20455	SIZE
						A3
						SHEET 4/6 REV. 27



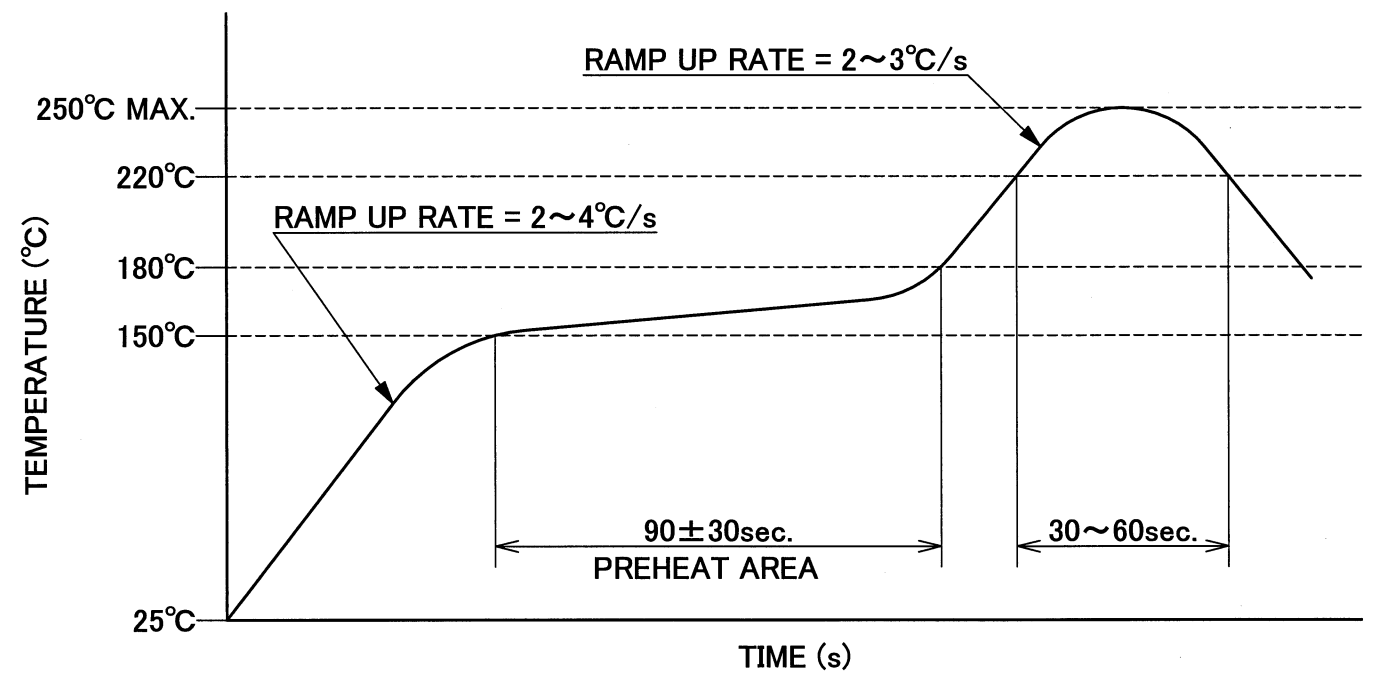


CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN
P/N : 20455-0**E-###



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

TYPE-A

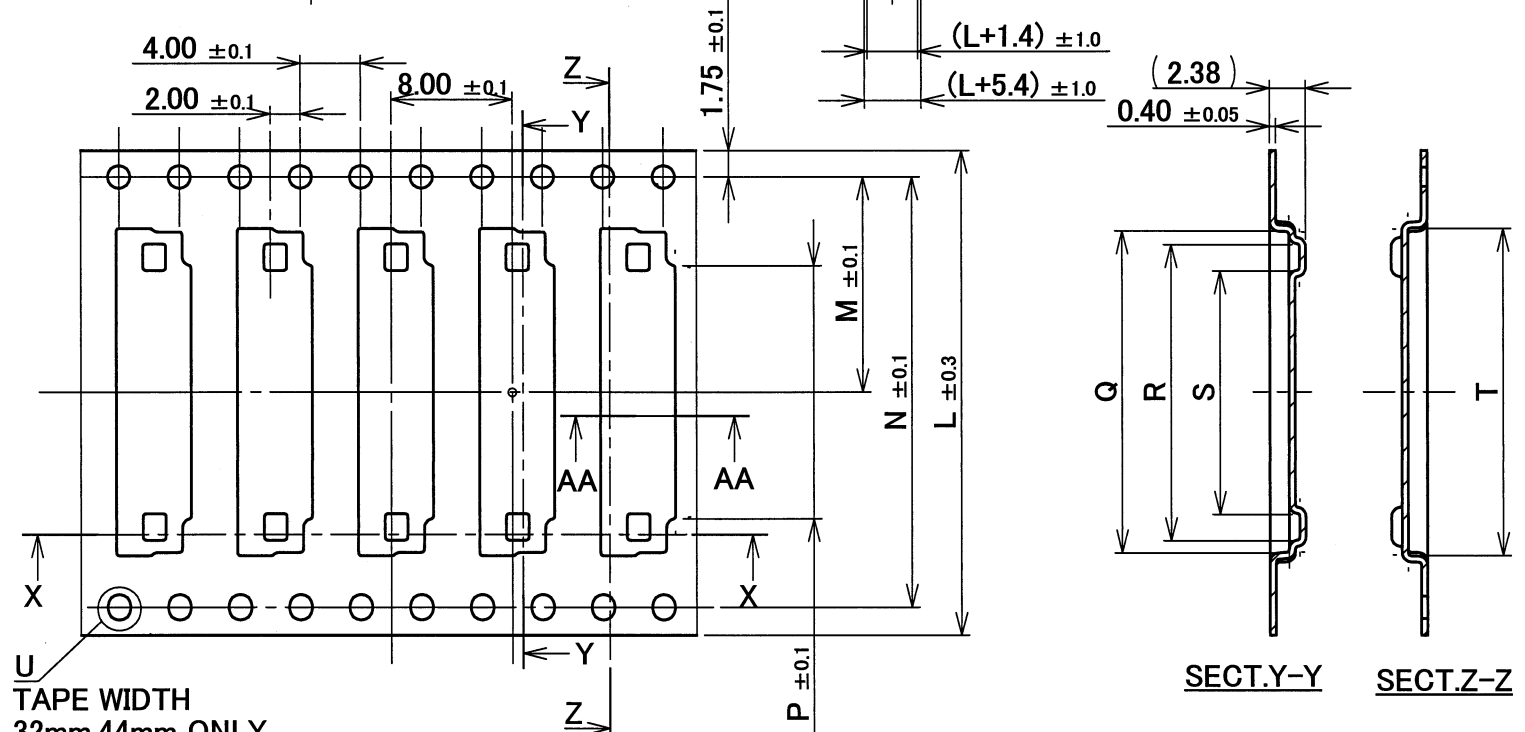
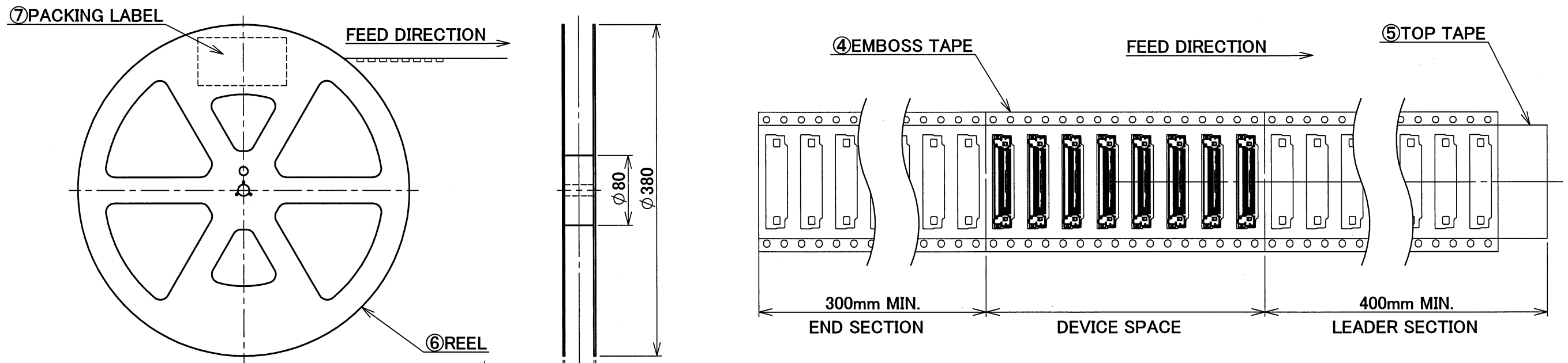


REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

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 CABLIN [®] -VS RECE ASS'Y	SCALE 5:1	UNIT mm
DWG.	DATE					
CHK.	DATE					
APP.	DATE					
				DWG. No.	20455	SIZE A3
						SHEET 5/6 REV. 27

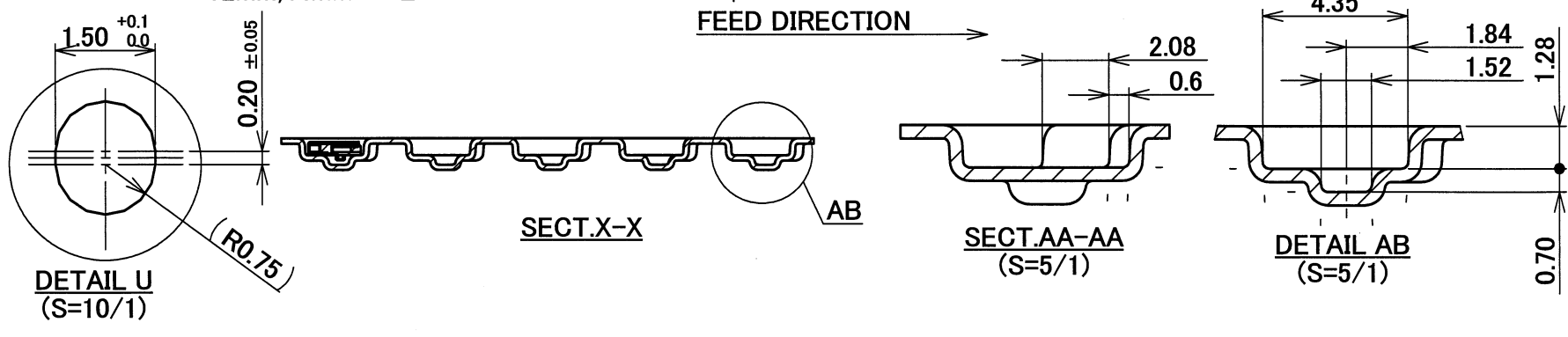


PART NO.	L	M	N	P	Q	R	S	T	QTY. PER EMOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)	PART NO.	QTY. IN EMOSS TAPE (1 REEL)	QTY. IN PACKING CARTON (1 CARTON)
20455-#20E-##	24.0	11.5	-	11.7	16.2	14.6	11.1	16.6	5000 / REEL	5 REELS / CARTON = 25000	20455-#20E-##-S	500 / REEL	5 REELS / CARTON = 2500
20455-030E-##	32.0	14.2	28.4	16.7	21.2	19.6	16.1	3 REELS / CARTON = 15000		20455-030E-##-S	3 REELS / CARTON = 1500		
20455-040E-##	44.0	20.2	40.4	21.7	26.2	24.6	21.1	3 REELS / CARTON = 15000		20455-040E-##-S	3 REELS / CARTON = 1500		
20455-050E-##	44.0	20.2	40.4	26.7	31.2	29.6	26.1	31.6		3 REELS / CARTON = 15000	20455-050E-##-S		3 REELS / CARTON = 1500



- 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
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. R7	CUSTOMER COPY	
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5				
GENERAL TOLERANCE.				TITLE CABLIN®-VS RECE ASS'Y	SCALE 5:1	UNIT mm	
DWG.	DATE						
CHK.	DATE						
APP.	DATE			DWG. No. 20455	SIZE A3	SHEET 6/6	REV. 27