

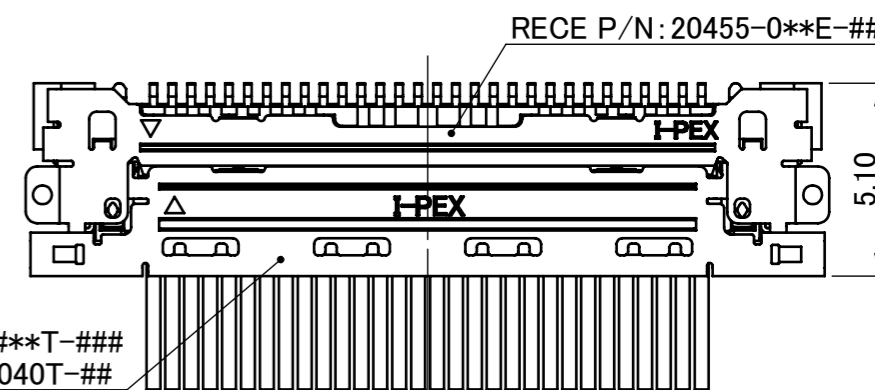
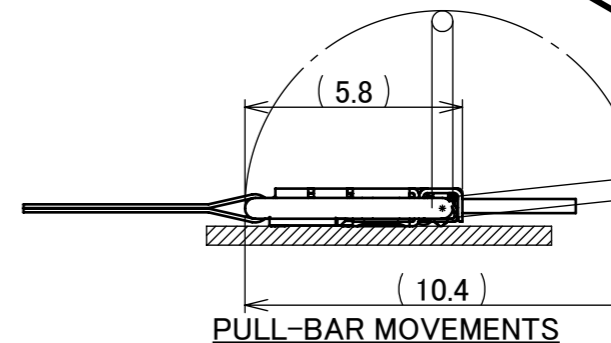
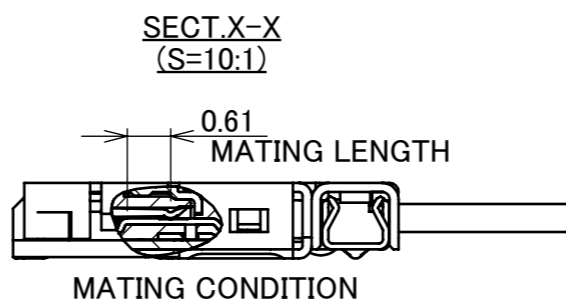
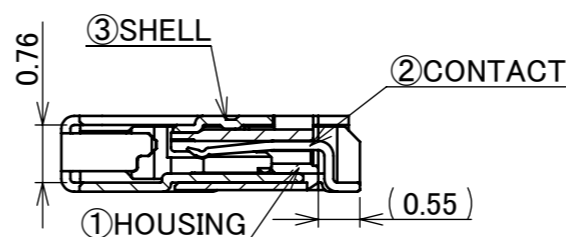
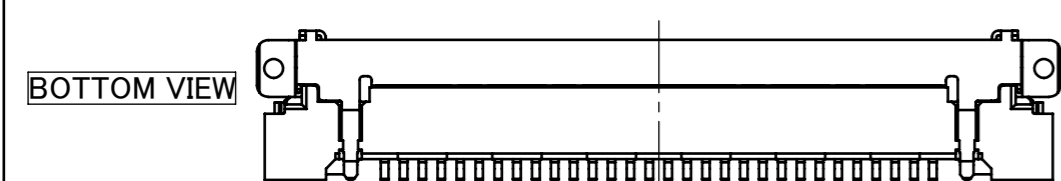
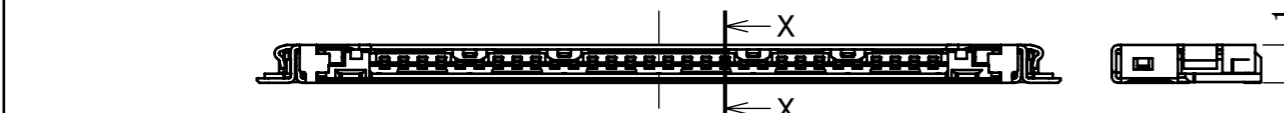
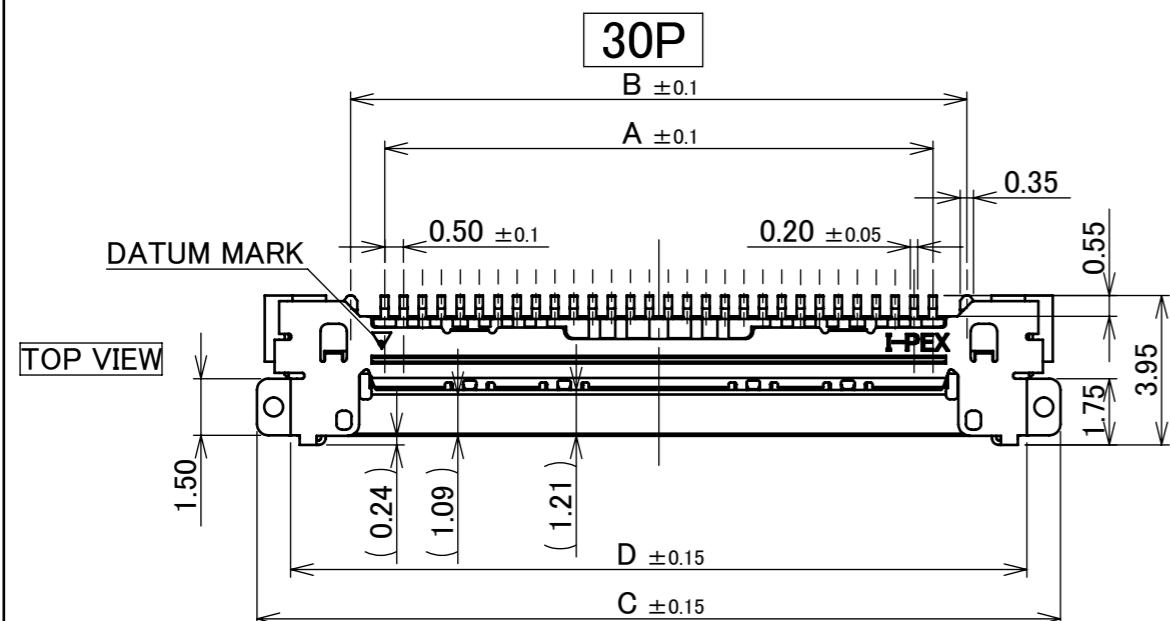
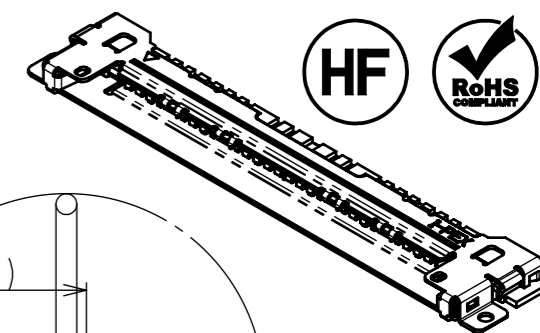
Recommended P/N 20455-0**E-76 (30P/40P/50P) 20455-A20E-76 (20P)

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-##

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.	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.	

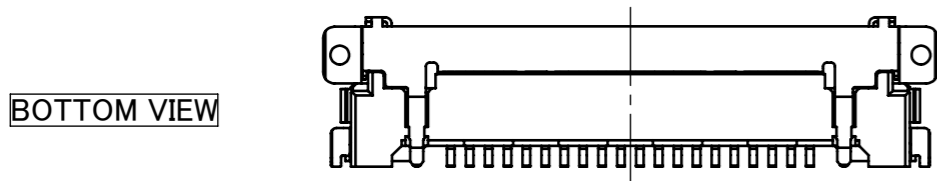
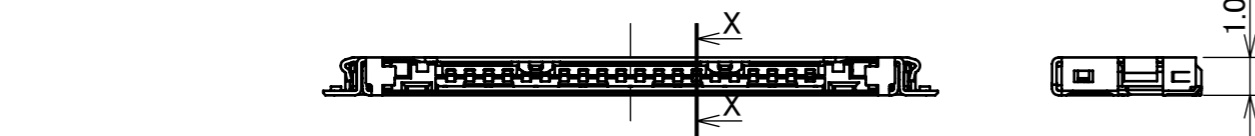
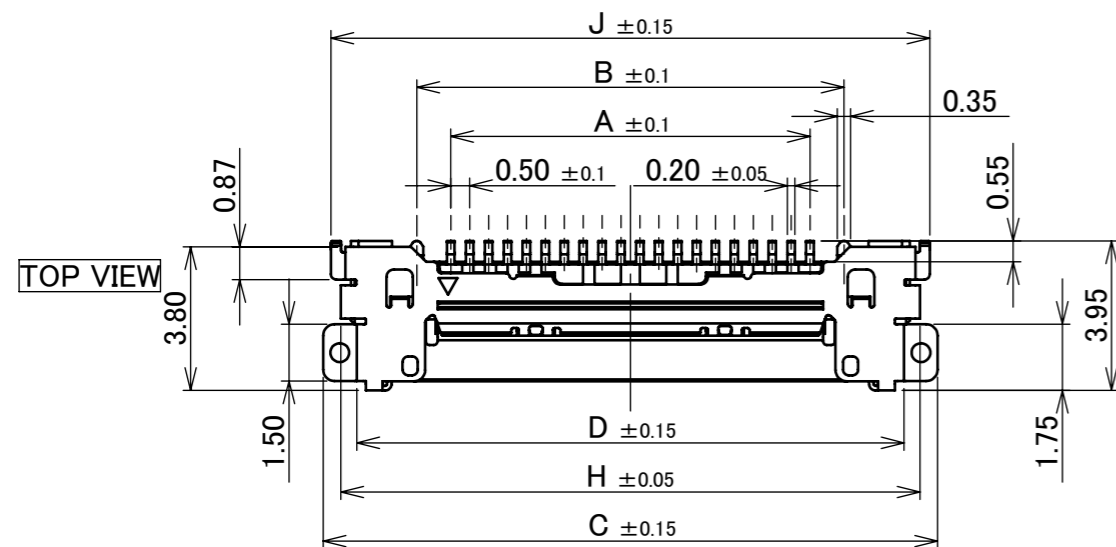
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	SHELL	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
1	HOUSING	LCP	UL94V-0, BLACK

REV.	ECN	BY	DATE	APP.	APP.	DATE	DWG. No.	SIZE	SHEET	REV.					
28	Z201153	T.Ono	Nov./05/'20	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R7	CUSTOMER COPY				
27	Z190697	Y.Sasa	May/27/'19	H.I	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	SCALE						
26	Z181510	Y.M	Nov./19/'18	H.I	GENERAL TOLERANCE.			TITLE	5:1	I-PEX					
25	Z181146	Y.M	Aug./31/'18	H.I	DWG.	DATE	2007/09/27	CABLINER [®] -VS RECE ASS'Y	UNIT						
24	Z181018	A.K	Aug./02/'18	H.I	H.Ikari	CHK.			mm						
23	Z180963	A.K	July/24/'18	H.I	APP.	DATE	2007/09/27	DWG. No.	20455		SIZE	A3	SHEET	1/6	REV.
REVISION RECORD					E.Kawabe		2007/09/27	20455	A3	1/6	28				

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



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

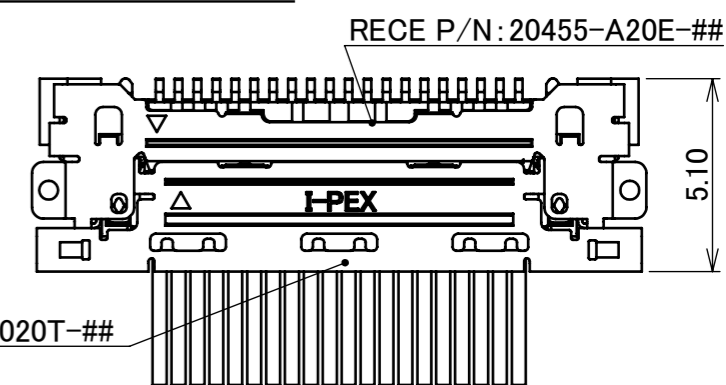
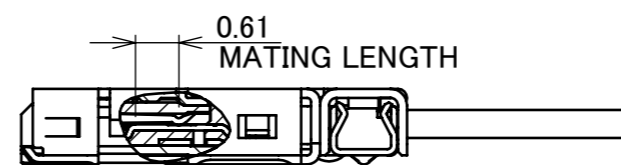
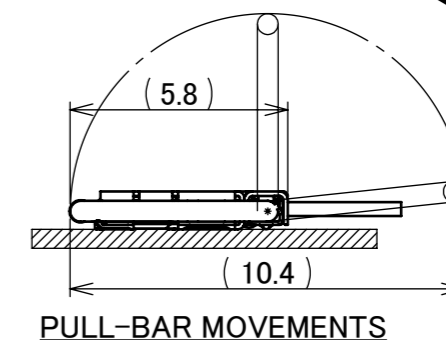
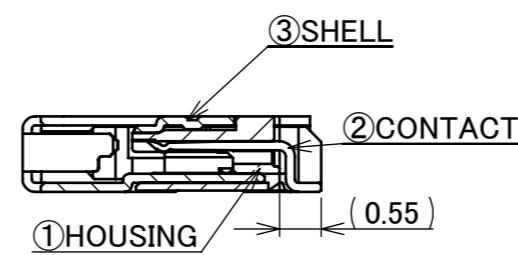
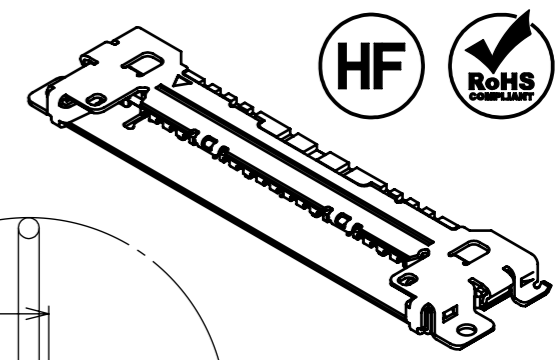


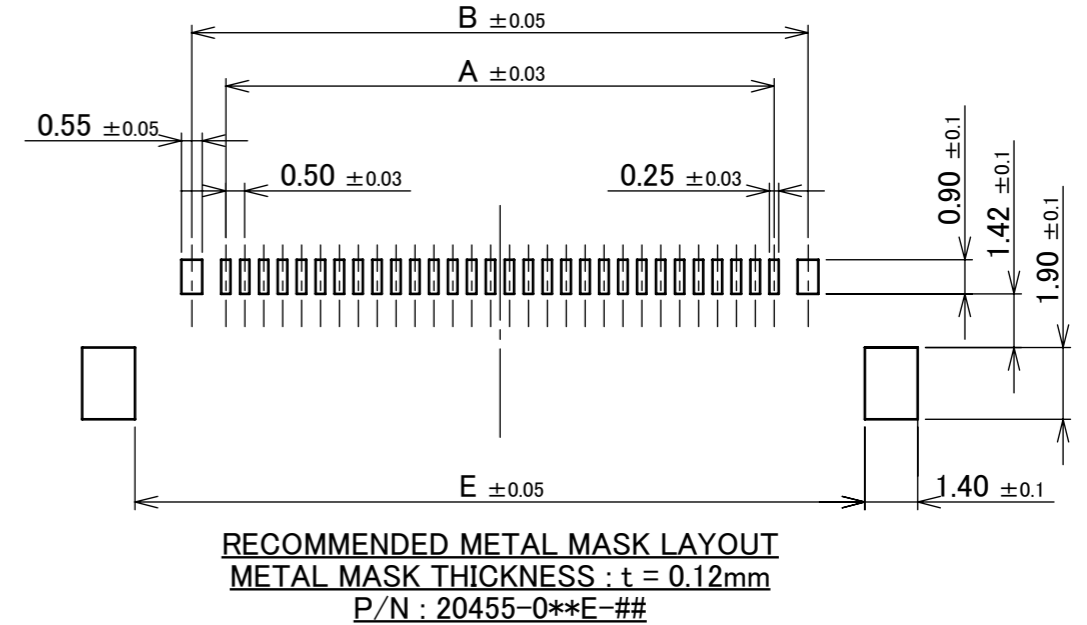
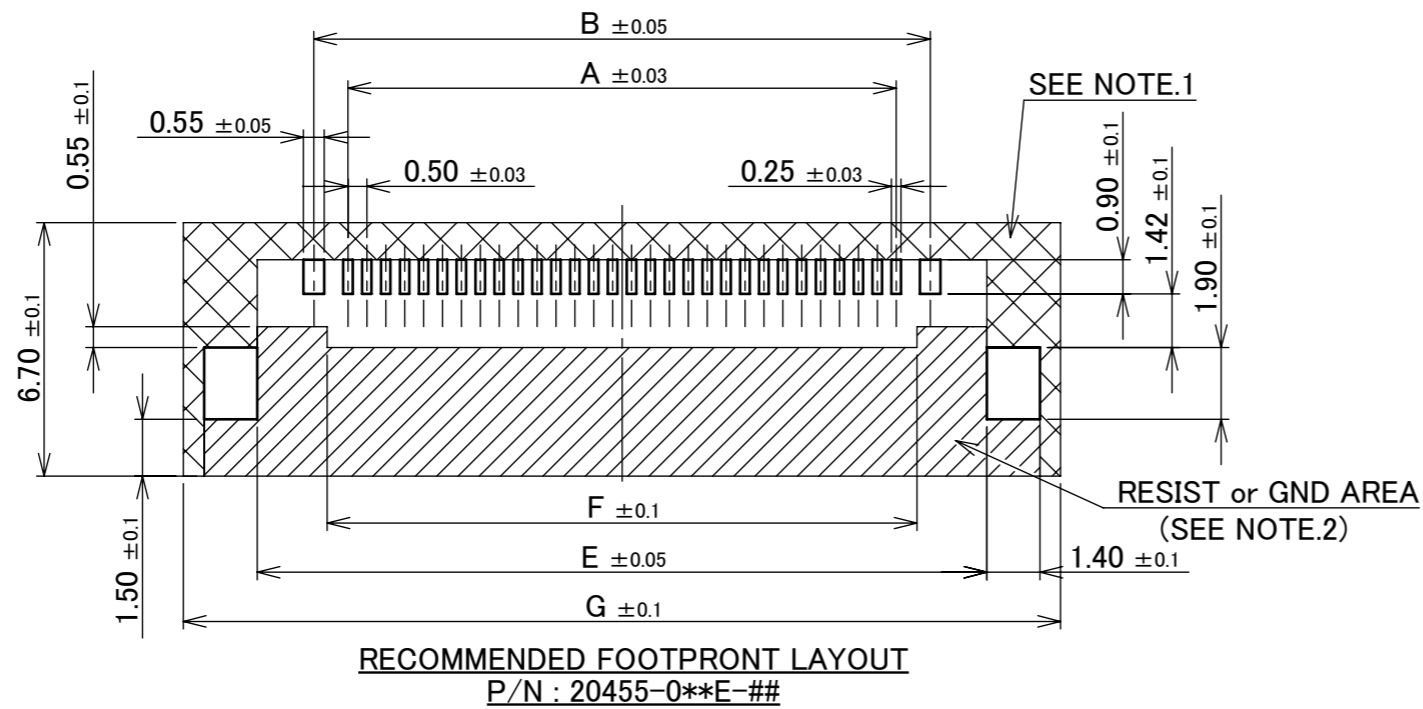
TABLE.2

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 0.1 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.

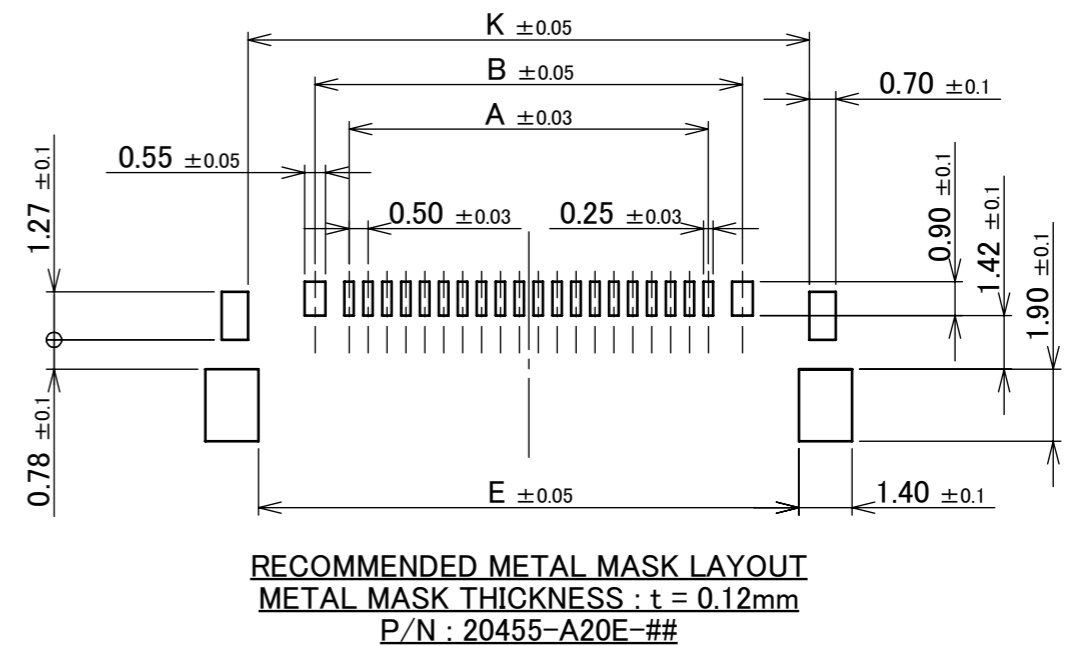
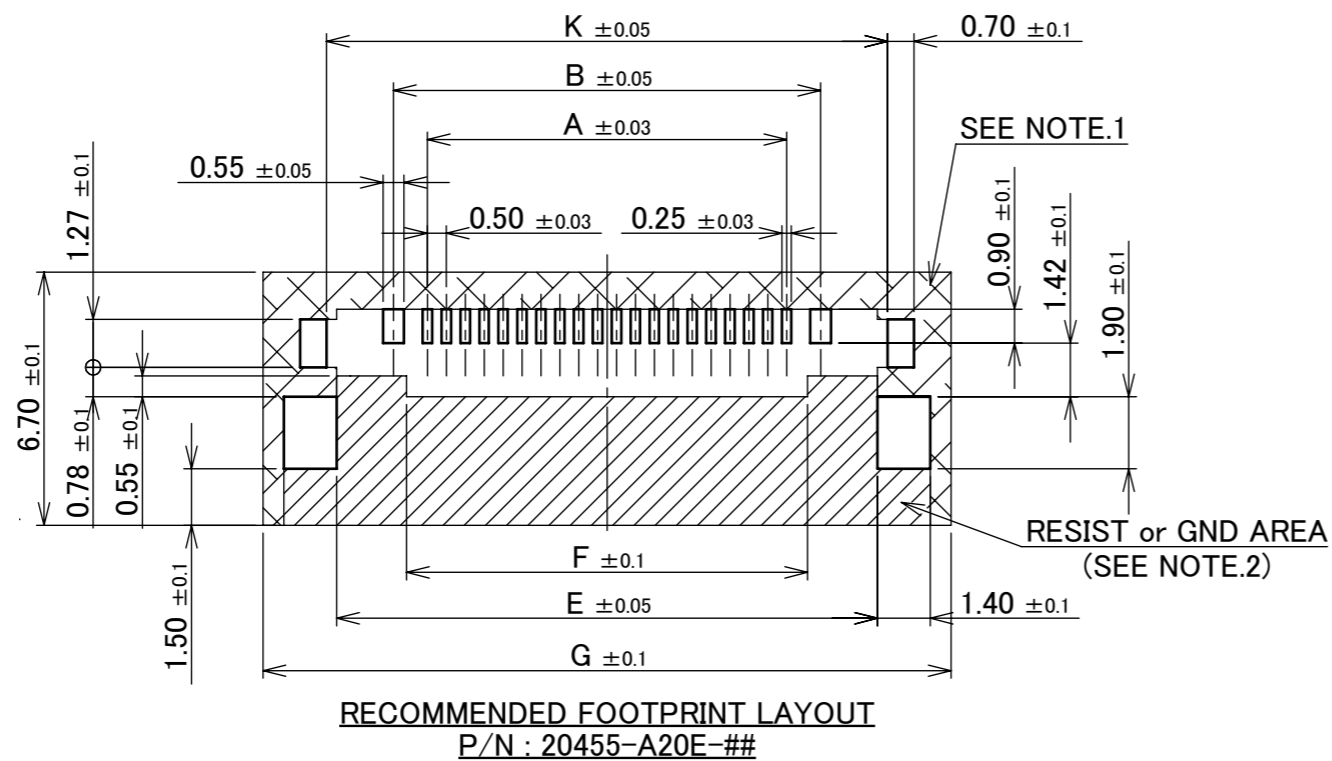
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	SHELL	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
1	HOUSING	LCP	UL94V-0, BLACK

<table border="1"> <tr> <td>ANGLE</td> <td>±2°</td> <td>6 OVER 30 MAX.</td> <td>±0.3</td> </tr> <tr> <td></td> <td>6 MAX.</td> <td>±0.2</td> <td>30 OVER 120 MAX. ±0.5</td> </tr> </table>					ANGLE	±2°	6 OVER 30 MAX.	±0.3		6 MAX.	±0.2	30 OVER 120 MAX. ±0.5	PROJECTION	SERIES No.	CUSTOMER COPY									
					ANGLE	±2°	6 OVER 30 MAX.	±0.3																
	6 MAX.	±0.2	30 OVER 120 MAX. ±0.5																					
<table border="1"> <tr> <td colspan="2">GENERAL TOLERANCE.</td> <td>TITLE</td> <td>SCALE</td> </tr> <tr> <td>DWG.</td> <td>DATE</td> <td>CABLINE® -VS</td> <td>5:1</td> </tr> <tr> <td>CHK.</td> <td></td> <td>RECE ASS'Y</td> <td>UNIT</td> </tr> <tr> <td></td> <td></td> <td></td> <td>mm</td> </tr> </table>					GENERAL TOLERANCE.		TITLE	SCALE	DWG.	DATE	CABLINE® -VS	5:1	CHK.		RECE ASS'Y	UNIT				mm	R7			
					GENERAL TOLERANCE.		TITLE	SCALE																
DWG.	DATE	CABLINE® -VS	5:1																					
CHK.		RECE ASS'Y	UNIT																					
			mm																					
REV.	ECN	BY	DATE	APP.	DWG. No.	SIZE	SHEET	REV.																
REVISION RECORD					20455	A3	2/6	28																

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



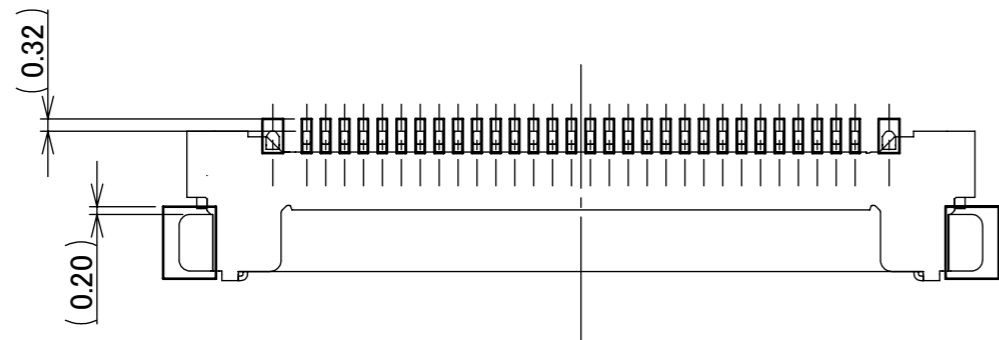
NOTES.

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.

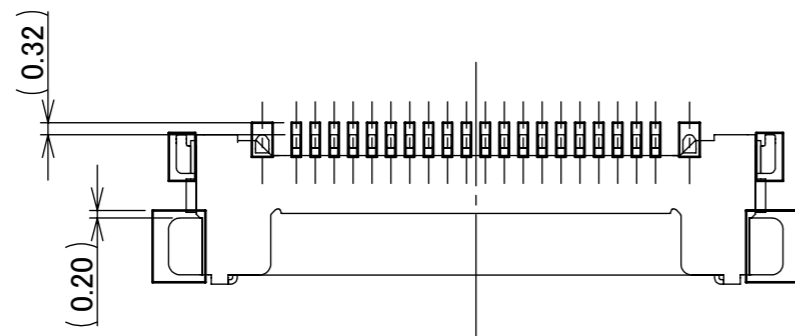
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R7	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX		
DWG.	DATE			CABLIN [®] -VS RECE ASS'Y		5:1			
CHK.						UNIT			
APP.				DWG. No. 20455		mm			
						SIZE	SHEET	REV.	
						A3	3/6	28	

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)
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.			± 0.5	SCALE 5:1	I-PEX	
GENERAL TOLERANCE.				TITLE CABLINE® -VS RECE ASS'Y		UNIT mm			
DWG.	DATE			DWG. No. 20455		SIZE A3	SHEET 4/6	REV. 28	
CHK.									
APP.									

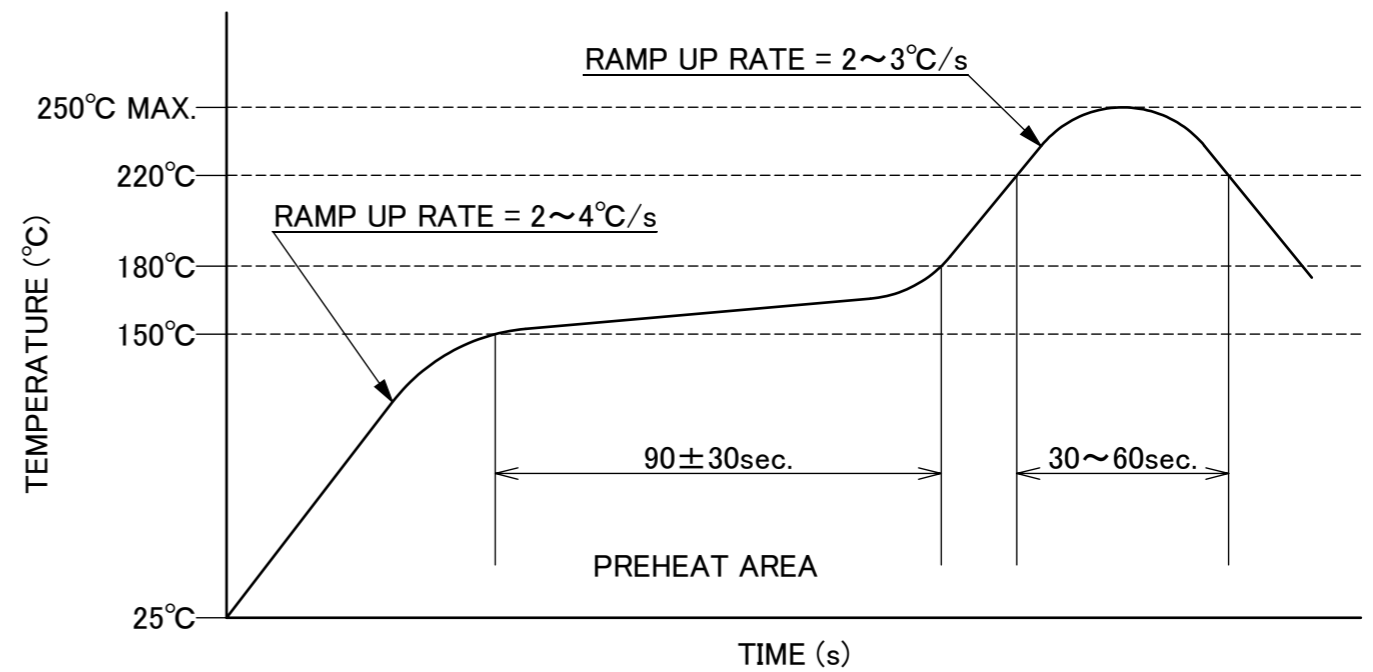


CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN
P/N : 20455-0**E-##



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

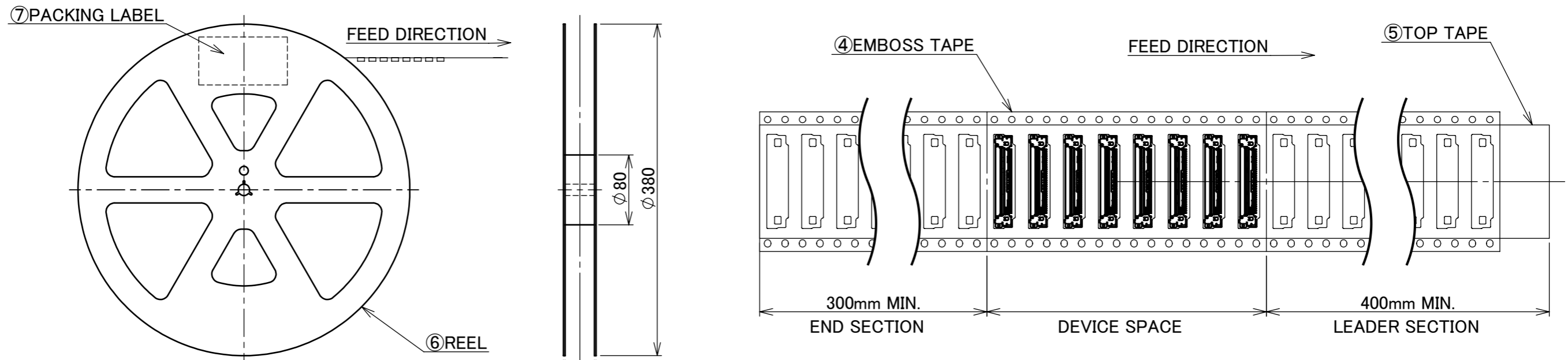
TYPE-A



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		SCALE	I-PEX					
DWG.	DATE			CABLIN [®] -VS RECE ASS'Y		5:1						
CHK.						UNIT				mm		
APP.				DWG. No. 20455		SIZE				SHEET	REV.	
						A3	5/6	28				

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.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R7	SCALE	I-PEX	
GENERAL TOLERANCE.						TITLE		5:1
DWG.	DATE			CABLIN [®] -VS RECE ASS'Y		UNIT	mm	
CHK.				DWG. No. 20455		SIZE		A3
APP.						SHEET	6/6	
							REV.	28