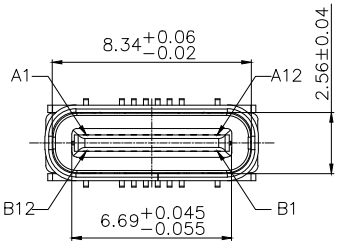
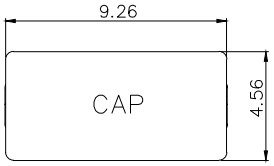
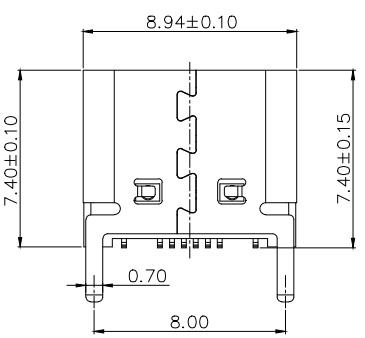
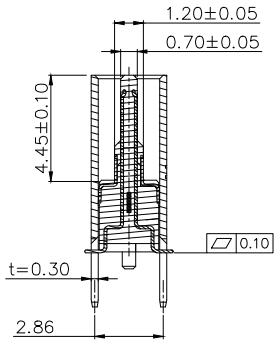
RoHS Compliant

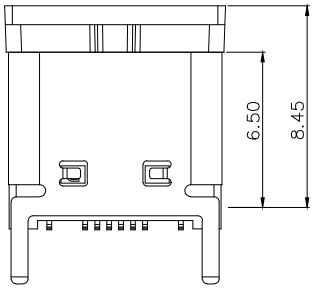
REV.	MODIFICATION	ECN No.	NAME	DATE
A0	NEW		LEN.SONG	2022.01.05



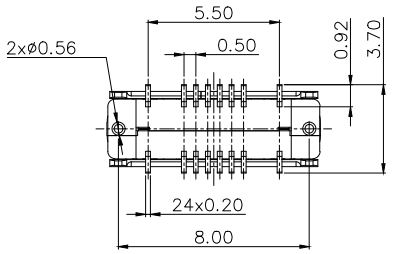


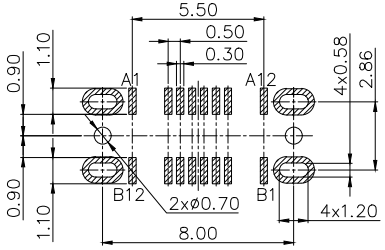




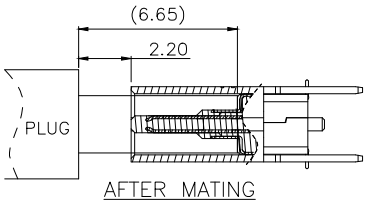


SPECIFICATION:
1、ELECTRICAL:
1.1 CURRENT RATING:5A;
1.2 VOLTAGE RATING:48V DC
1.3 CONTACT RESISTANCE:40mΩ Max;
1.4 DIELECTRIC WITHSTANDING VOLTAGE:100V AC;
1.5 INSULATION RESISTANCE:100 MΩ MIN;
2、MECHANICAL;
2.1 MATING FORCE:5~20N;
2.2 UNMATING FORCE:8~20N;
2.3 DURABILITY:10000 CYCLES;6~20N AFTER DURABILITY TEST;
3、MATERIAL:
3.1 HOUSING&MOLDING: LCP BLACK UL94V−0;
3.2 TERMINAL:C18400 T=0.12mm;
3.3 SHELL:SUS304 T=0.30mm;
3.4 MID PLATE:SUS301 T=0.15mm;
4、PLATING SPECIFICATION:
4.1 TERMINAL:CONTACT POINT GOLD PLATED 3u "MIN
PIN WELDING AREA GOLD PLATED 1u" MIN.
NI 40u" Min. UNDER PLATED OVER ALL.
4.2 SHELL:PLATED Ni 50u" MIN(Salt spray 48H)
5、ELECTROPLATED PRODUCTS NEED TO UNDERGO TIN ADHESION TESTING: THE TIN ADHESION AREA SHOULD REACH OVER 95%.
6、SMT REFLOW SOLDERING (PEAK VALUE 260 °C ± 5 ° C) SHALL BE FREE OF BLISTERING, GLUE MELTING AND POOR COLOR CHANGE (DEFORMATION WITHIN TOLERANCE)
7、OPERATING TEMPERATURE: −40°C~+85°C



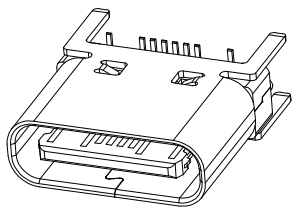


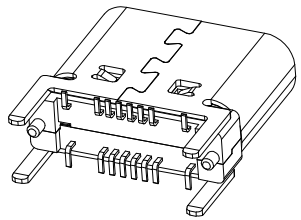
RECOMMENDED P.C.B. LAYOUT



AFTER MATING

A1	GND	B12	GND
A2	TX1+	B11	RX1+
A3	TX1−	B10	RX1−
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	D+	B7	D−
A7	D−	B6	D+
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	RX2−	B3	TX2−
A11	RX2+	B2	TX2+
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME





广东咏华科技有限公司
Guangdong Yonghua Technology Co., Ltd

X. ±0.20	ANGLES ±2°	INTENDED USE:	TITLE: TYPE-C 16P母座 立贴H=7.4 外壳四脚直插 端子脚宽3.7 无Logo A款 黑色LCP 端子C18400 接触3u"焊脚1u" 外壳SUS304 卷装	
X.x ±0.15				
X.xx ±0.10				
X.xxx ±0.05		APPD.:	PART NO.: YH-002124	
MAT'L.: SEE NOTES		CHKD.:	DWG. NO.:	
FINISH:		DR.: Len.Song	SCALE: 1:1	PAGE: 1/1
			UNIT: mm	REV.: A0