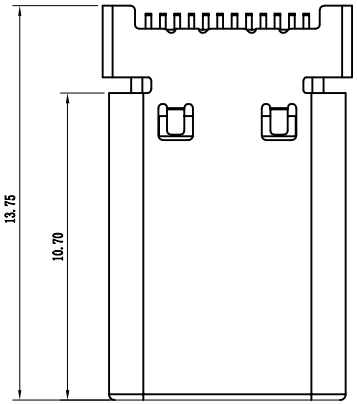
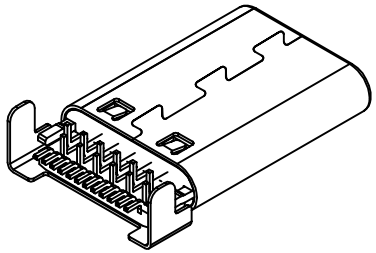
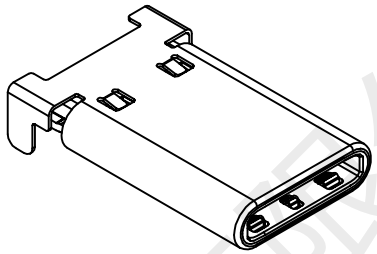
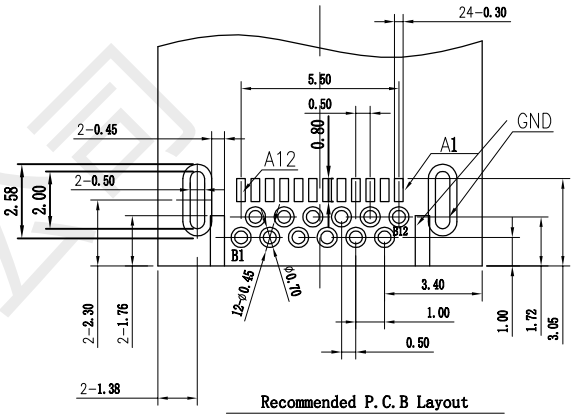
RoHS Compliant

REV.	ZONE	DESCRIPTION	DESIGN	DATE
B		NEW		



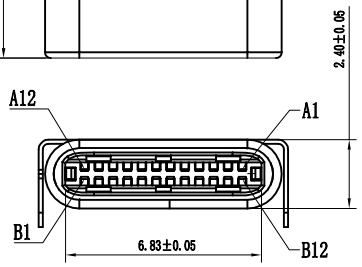


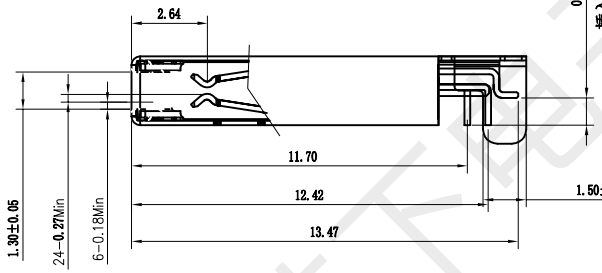


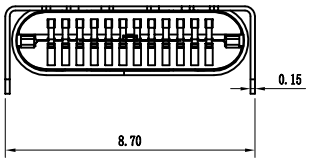


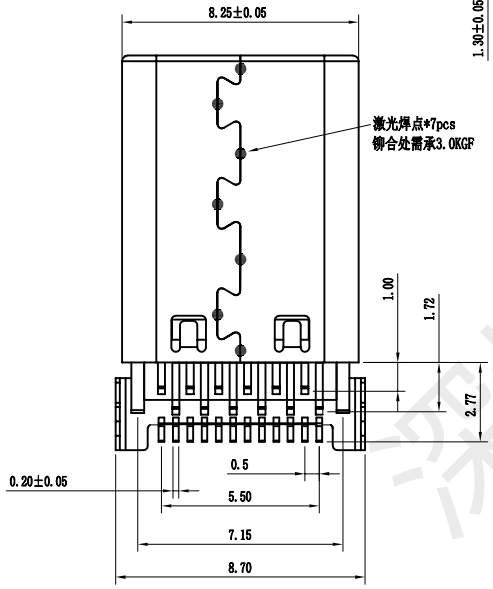
Recommended P.C.B Layout

Tolerance ±0.05









1. Material:
   Contacts: Copper alloy T=0.15
   Insulator: HIGH TEMPERATURE PLASTIC UL 94V-0,
   Shell: STEEL T=0.15
2. Electrical:

Rated voltage: 5.0V/5.0A

   Withstanding Voltage: 100V AC R.M.S
   Contact Resistance [ohms]: 40mΩ Max.For Initial 10mΩ.Change Afier Test.Measure AT 20mV,100mA
   Insulation Resistance [ohms]: 100 mΩ min.
3. MECHANICAL CHARACTERISTICS:
   Mating force: 5~20N
   Unmated Force: 6~20N After test.
   Durability: 10000 cycles min.
4. Plating:
   Contacts: SEE TABLE Au plated on contact area,
   Bright Tin plating 80-100U"Min on solder area
   Nickel Under plating 20u"Min over all
   Shell : plating 20~50U"Nickel over CU
5. Environmental
   Temperature Range: -40° C~+85° C

USB TYPE-C PIN ASSIGNMENTS

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

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
G	EMI	2	SUS301	---
F	CONTACT	12	C7025	Au:1U"
E	TOP COVER	1	LCP+30%GF,UL 94V-0	BLACK
D	BOTTOM COVER	1	LCP+30%GF,UL 94V-0	BLACK
C	GND PIN	1	SUS301	20~50U"NICKEL PLATED
B	CONTACT	12	C7025	Au:1U"
A	SHELL	1	SUS301	20~50U"NICKEL PLATED

X.	±0.50	X.°	± 2°
.X	±0.30	.X°	± 1°
.XX	±0.10	.XX°	± 0.5°
.XXX	± 0.05		

UNITS: mm

MAT'L:

FINISH:

Q'TY:

深圳市韩下电子有限公司

TITLE: HX TYPE C-M 24P RA-QCHT type-c 24pin

APPD: 罗小春 2020.8.24

CHKD: 张伟 2020.8.24

DR: 黄彬 2020.8.24

DWG NO.:

SCALE	SHEET	REV.
1/1	1/1	A1

深圳市韩下电子有限公司

深圳市韩下电子有限公司
Shenzhen Hanxia Electronic Co., Ltd
Tel: 0755-23086569

承　认　书

SPECIFICATION FOR APPROVAL

产 品 编 码
Material code: _____

产品名称 Project：USB连接器

规格型号 Part No：HX TYPE C-M 24P RA-QCHT type-c 24pin

贵公司承认印 Approal slgnatures

料 号/Part No.	签　章/Signatures

日期 Date:

拟制/Drawn	黄彬	深圳市韩下电子有限公司 工程专用章
审核/Check	张伟	
批准/Approved	罗小春	

深圳市韩下电子有限公司