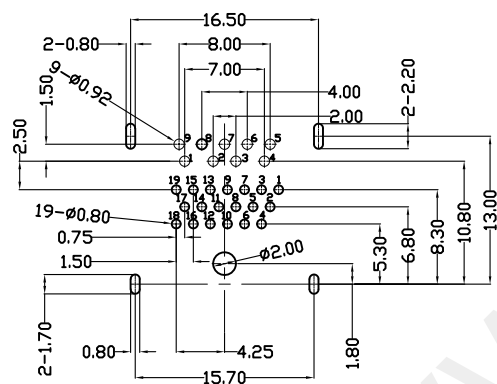
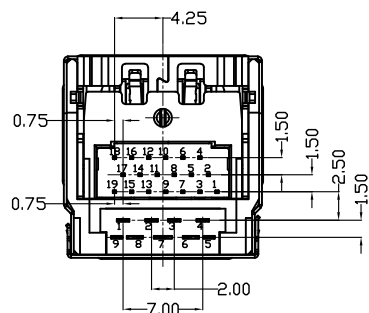
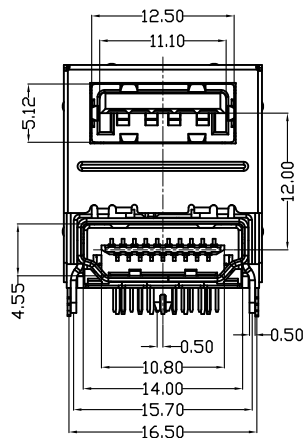
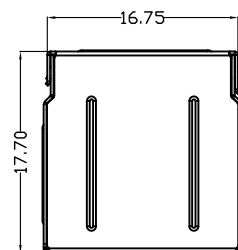
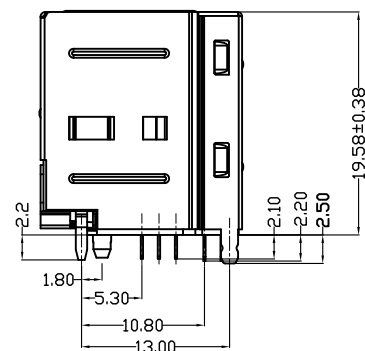




RECOMMEND PCB LAYOUT
TOLERANCE: ± 0.05 (TOP VIEW)

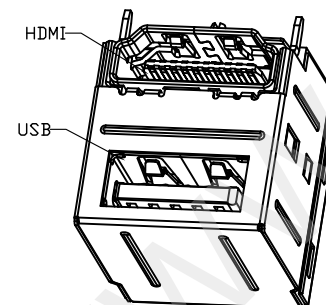


USB3.0 Pin Assignments

Pin Number	Signal Name	Pin Number	Signal Name
1	VBUS	5	STDA_SSRX-
2	D-	6	STDA_SSRX+
2	D+	7	GND_DRAIN
4	GEN	8	STDA_SSTX-
SHELL	SHIELD	9	STDA_SSTX+

HDMI A TYPE Pin Assignments

Pin Number	Signal Name	Pin Number	Signal Name
1	TMDS DATA 2+	2	TMDS DATA2 Shield
3	TMDS DATA 2-	4	TMDS DATA1+
5	TMDS DATA1 Shield	6	TMDS DATA1-
7	TMDS DATA0+	8	TMDS DATA0 Shield
9	TMDS DATA0-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC	14	Utility
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		



NOTES:

- 1. MATERIAL SPECIFICATION
 - 1-1 USB MATERIAL SPECIFICATION
 - 1-1-1, HOUSING & SPACER: PBT BLACK AND BLUE
 - 1-1-2, CONTACTS: COPPER ALLOY
 - 1-2 HDMI MATERIAL SPECIFICATION
 - 1-2-1, HOUSING & SPACER: LCP BLACK; UL94V-0
 - 1-2-2, CONTACTS: COPPER ALLOY
 - 1-2-3, SHELL: COPPER ALLOY
 - 1-3 SHELL: STEEL
- 2. PLATING SPECIFICATION
 - 2-1, CONTACTS:
 - NI UNDER PLATED, GOLD FLASH PLATED ON THE FUNCTIONAL AREA OF CONTACTS AND ETIN PLATING ON SOLDER TALL.
 - 2-2, SHELL: NICKEL PLATING OVER ALL.
 - 2-3, HDMI SHELL NI PLATING
- 3. MECHANICAL PERFORMANCE
 - 3-1, USB MECHANICAL PERFORMANCE
 - 3-1-1, INSERTION FORCE: 35N MAX
 - 3-1-2, REMOVAL FORCE: 10-35N . INITIALLY:
0.8kgf MIN. AFTER THD SPECIFIED INSERTION
EXTRACTION, OR DURABILITY CYCLES
 - 3-2, HDMI MECHANICAL PERFORMANCE
 - 3-2-1, INSERTION FORCE: 44.1N(4.5kgf) MAX
 - 3-2-2, REMOVAL FORCE: 9.7N~39.2N.
- 4. MECHANICAL PERFORMANCE
 - 4-1, USB ELECTRICAL PERFORMANCE
 - 4-1-1, INSULATION RESISTANCE: 100M Ω MIN
 - 4-1-2, DIELECTRIC WITHSTAND VOLTAGE;
AC 100V FOR 1 MINUTE
 - 4-1-3, CONTACT CURRENT RATING: 1.8A MAX.
 - 4-2, HDMI ELECTRICAL PERFORMANCE
 - 4-2-1, CURRENT RATING: 0.5A PER PIN MIN
 - 4-2-2, INSULATION RESISTANCE: 100M Ω MIN
 - 4-2-3, DIELECTRIC WITHSTAND VOLTAGE:
AC 500V FOR 1 MINUTE



深圳市华宇创精密电子有限公司

TOLERANCE:		DRAWN BY : 陈一鸣	DATE : 2014-02-23	PART NAME:	
X.X ±0.30				USB 3.1+HDMI2.1 A TYPE 有柱	
X.XX ±0.25		CHECKED BY: 马跃	DATE : 2014-02-23	PART NO.	HYC180-21N128-196
X.XXX ±0.15				MOLD NO.	
X: ±2°	X.X: ±0.5°	APPROVED BY: 邱敏	DATE : 2014-02-23	DRAW NO:	HYC-2608101257
				SHEET NO.	1 OF 1
UNIT: mm [inch]					
SCALE:1:1	SIZE: A4				