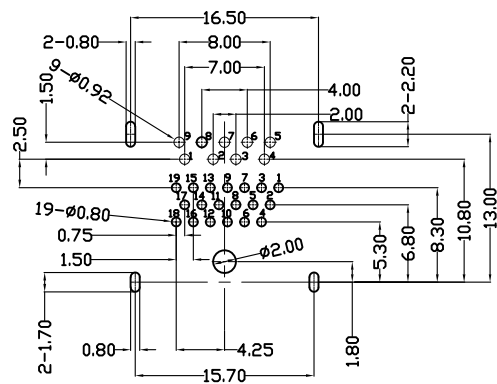
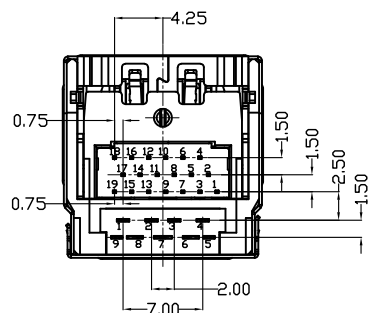
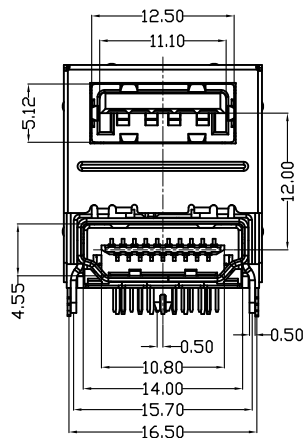
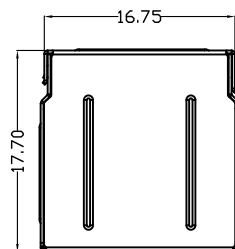
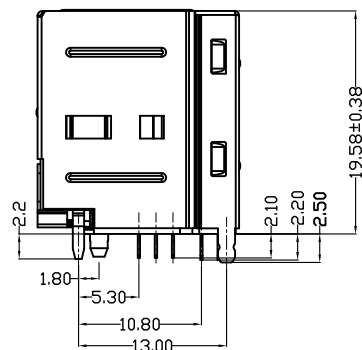




RECOMMEND PCB LAYOUT
TOLERANCE: ± 0.05 (TOP VIEW)

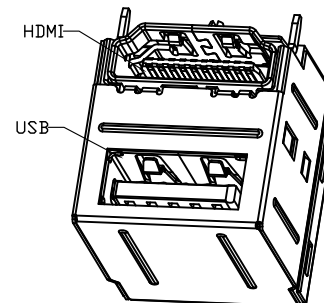


USB3.0 Pin Assignments

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		



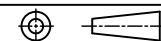
NOTES:

- 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
- 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
- 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.
- 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:

X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.15 X.' $\pm 2'$ X.X' $\pm 0.5'$ 

UNIT: mm [inch]

SCALE: 1:1 SIZE: A4

DRAWN BY :

陈一鸣

DATE :

2014-02-23

PART NAME:

USB 3.1+HDMI 2.1 A TYPE 有柱

CHECKED BY:

马跃

DATE :

2014-02-23

PART NO.

HYCW180-2IN128-196B

APPROVED BY:

邱敏

DATE :

2014-02-23

DRAW NO:

HYC-2608101257

SHEET NO.

1 OF 1