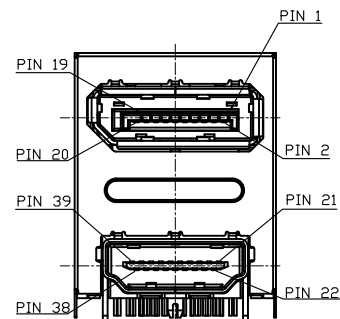
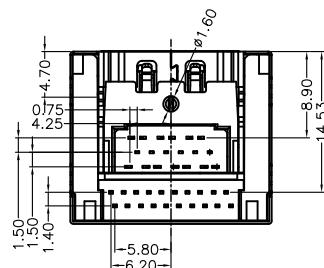
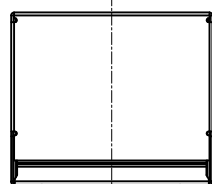
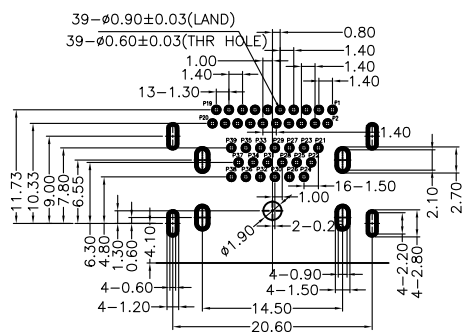
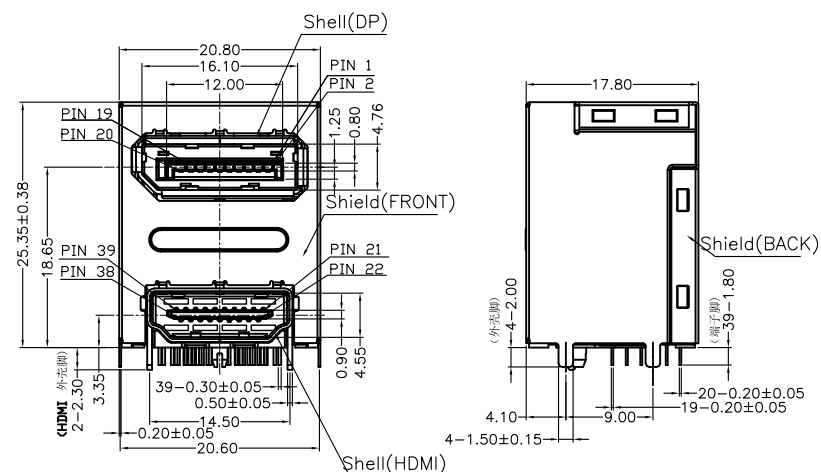


PLUG AND CONNECTOR MATED CONDITION



RECOMMENDED P.C.B. LAYOUT (COMPONENT SIDE VIEW)
TOL IS ± 0.05 THICKNESS=1.6 ALL POSITION TOL $\phi 0.06$ X1Y1

HDMI		DISPLAYPORT	
PIN No.	PIN ASSIGNMENT	PIN No.	PIN ASSIGNMENT
P21	TMDS DATA2+	P1	ML_Lane 0(p)
P22	TMDS DATA2 SHIELD	P2	GND
P23	TMDS DATA2-	P3	ML_Lane 0(n)
P24	TMDS DATA1+	P4	ML_Lane 1(p)
P25	TMDS DATA1 SHIELD	P5	GND
P26	TMDS DATA1-	P6	ML_Lane 1(n)
P27	TMDS DATA0+	P7	ML_Lane 2(p)
P28	TMDS DATA0 SHIELD	P8	GND
P29	TMDS DATA0-	P9	ML_Lane 2(n)
P30	TMDS CLOCK+	P10	ML_Lane 3(p)
P31	TMDS CLOCK SHIELD	P11	GND
P32	TMDS CLOCK-	P12	ML_Lane 3(n)
P33	CEC	P13	CONFIG1
P34	RESERVED (N.C. ON DEVICE)	P14	CONFIG2
P35	SCL	P15	AUX CH (p)
P36	SDA	P16	GND
P37	DDC/CEC GROUND	P17	AUX CH (n)
P38	+5V POWER	P18	HOT PLUG DETECT
P39	HOT PLUG DETECT	P19	RETURN
		P20	DP PWP

Remarks:

- DP passes high frequency test 2.1 (HBR3)
- HDMI passes high frequency test 2.1

SPECIFICATIONS

- Displayport
 - 1.1 Operation Voltage: 40 VAC(RMS) Max.
 - 1.2 Current Rating: 0.5 Ampere per Contact
 - 1.3 Contact Resistance: 30 Milliohms Max.
 - 1.4 Insulation Resistance: 100 Megohms Min.
 - 1.5 Dielectric Withstanding Voltage: 500 VAC(RMS)
 - 1.6 Total Mating Force: 4.0 Kgf Max.
 - 1.7 Total Unmating Force: 1.0 Kgf Min.
 - 1.8 Operating Temperature: -25°C to +85°C
- HDMI
 - 2.1 Operation Voltage: 40 VAC(RMS) Max.
 - 2.2 Current Rating: 0.5 Ampere per Contact
 - 2.3 Contact Resistance: 10 Milliohms.
- (Initial, Target design value).
- 2.4 Insulation Resistance: 100 Megohms Min.
- 2.5 Dielectric Withstanding Voltage: 500 VAC(RMS)
- 2.6 Total Mating Force: 4.0 Kgf Max.
- 2.7 Total Unmating Force: 1.0 Kgf Min.
- 2.8 Operating Temperature: -25°C to +85°C

NOTES

- MATERIAL:
 - Housing(DP):LCP E130I 30% G.F UL94V-0, Color:Black.
 - Housing(HDMI):LCP E130I 30% G.F UL94V-0, Color:Black.
 - Terminal:Brass C2680.
 - Shell(DP):Stainless Steel SUS304.
 - Shell(HDMI):Brass C2680.
 - Shield(FRONT):Stainless Steel SUS304.
 - Shield(BACK):Stainless Steel SUS201.
- FINISH:
 - Terminal:Selected Gold Plated in Contact Area, 100u" MIN. Matte Tin Plated in Solder Area, 50u" MIN. Nickel Underplated Overall.
 - Shell(HDMI):Nickel Plated 80u" MIN.
 - Shield(FRONT):Weldable Nickel 50u" Plated All Over.
- This Product is Halogen-Free Compliance Product.



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.X' $\pm 2'$ X.X" $\pm 0.5'$	DRAWN BY : 陈一鸣	DATE : 2014-02-23	PART NAME: HDMI2.1 A TYPE + DP 有柱 H=18.65
	CHECKED BY: 马跃	DATE : 2014-02-23	PART NO. HYCW195-2IN139-186B
UNIT: mm [inch] SCALE:1:1 SIZE: A4	APPROVED BY: 邱敏	DATE : 2014-02-23	DRAW NO: HYC-2605111457
			SHEET NO. 1 OF 1