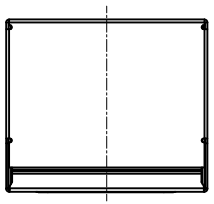
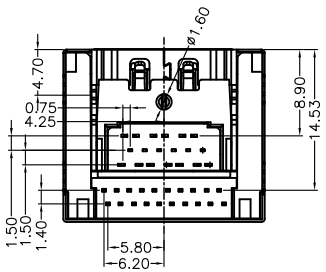
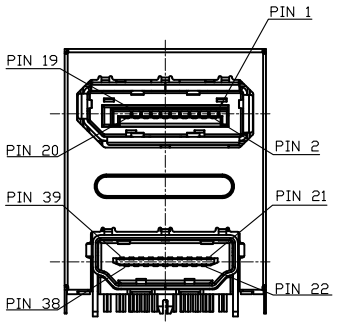
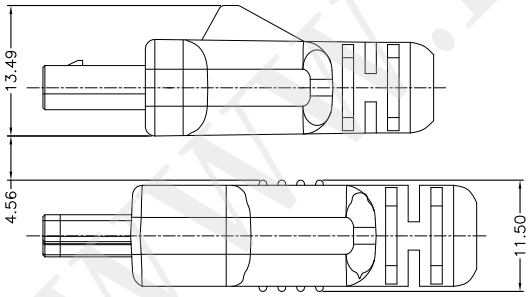
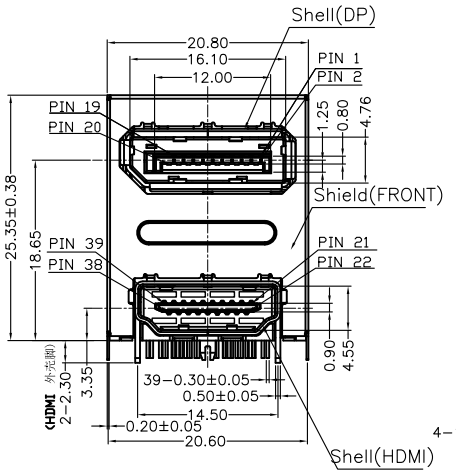


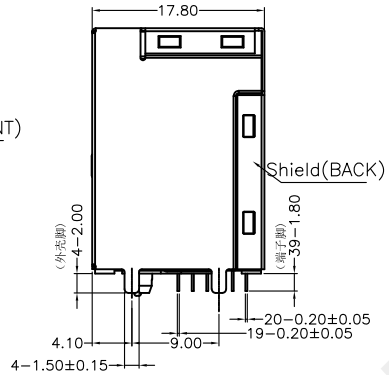


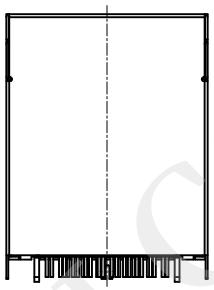




PLUG AND CONNECTOR MATED CONDITION







Remarks:

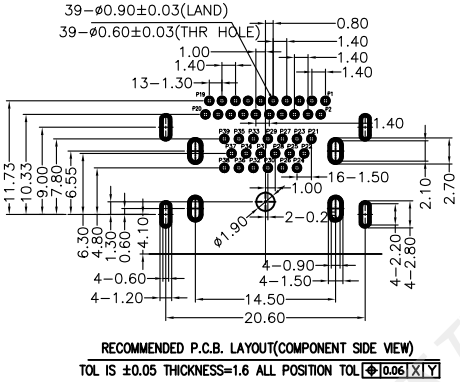
1. DP passes high frequency test 2.1 (HBR3)
2. HDMI passes high frequency test 2.1

SPECIFICATIONS

1. 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
2. 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

1. 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.
2. 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.
3. This Product is Halogen-Free Compliance Product.



RECOMMENDED P.C.B. LAYOUT(COMPONENT SIDE VIEW)
TOL IS ±0.05 THICKNESS=1.6 ALL POSITION TOL ⌖ 0.06 X Y

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

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.° ±2°, X.X° ±0.5°	DRAWED 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. HYC195-2IN139-186
UNIT: mm [inch]			MOLD NO.
	APPROVED BY: 邱敏	DATE : 2014-02-23	DRAW NO: HYC-2605111457
SCALE:1:1 SIZE: A4			SHEET NO. 1 OF 1

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