

REV.	ECN NO.	MODIFY MATTER	DATE	APPROVED
A		RELEASE TO PRODUCTION		

NOTE:

A. MATERIAL:

1. Housing: LCP(HF) UL94V-0 Black
2. Cover: LCP(HF) UL94V-0 Black
3. Contact: Copper Alloy T=0.20
4. Shell: Copper Alloy T=0.40
5. Spring: Stainless Steel T=0.20

B. PLATING:

1. Contact: Contact Area Gold Plated
Solder Area Sn Plated
Under Plated Nickel
2. Shell: Nickel Plated

C. SPECIFICATION:

1. Current: 0.5A
2. Voltage: 40V RMS
3. Withstanding Voltage: 500V AC
4. Contact Resistance: 30 mΩ max. (Contact)
50 mΩ max. (Shell)
5. Insulation Resistance: 100 MΩ min.
6. Temperature Range: -20°C to +85°C
7. Mating And unmating Force:
 - 7.1 Mating Force: 4.5Kgf(44.1N)Max.
 - 7.2 Unmating Force: 1.0Kgf~4.0Kgf(9.8N~39.2N)
8. Durability: 10000 Cycles

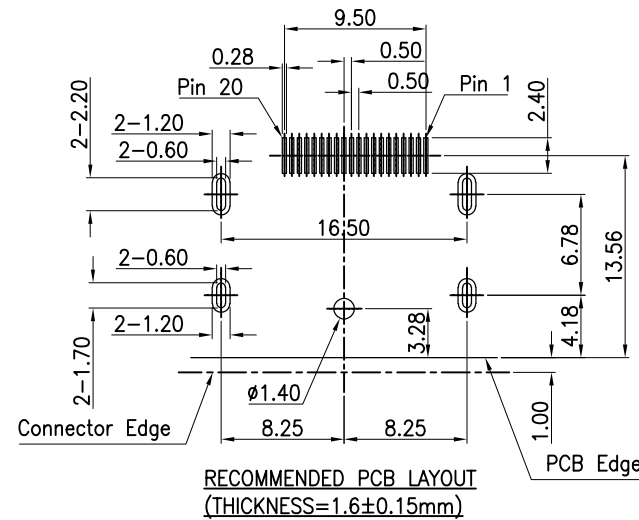
DisplayPort Connector Pin Assignment			
Pin Number	Signal Type	Pin Name	Mating Row Contact Location
1	Out	ML_Lane0(p)	Top
2	GND	GND	Bottom
3	Out	ML_Lane0(n)	Top
4	Out	ML_Lane1(p)	Bottom
5	GND	GND	Top
6	Out	ML_Lane1(n)	Bottom
7	Out	ML_Lane2(p)	Top
8	GND	GND	Bottom
9	Out	ML_Lane2(n)	Top
10	Out	ML_Lane3(p)	Bottom
11	GND	GND	Top
12	Out	ML_Lane3(n)	Bottom
13	CONFIG	CONFIG1	Top
14	CONFIG	CONFIG2	Bottom
15	I/O	AUX_CH(p)	Top
16	GND	GND	Bottom
17	I/O	AUX_CH(n)	Top
18	In	Hot Plug Detect	Bottom
19	RTN	Return	Top
20	PWR Out	DP_PWR	Bottom

EAST-DP0440A0008

PLATING

A:SELECTIVE Au 1u"
B:SELECTIVE Au 3u"
C:SELECTIVE Au 15u"
E:SELECTIVE Au 30u"

TOLERANCES UNLESS OTHERWISE SPECIFIED: X. --- X.X ± 0.38 X.XX ± 0.25 X.XXX ± 0.10 Angle ±1°		CUSTOMER COPY		深圳市东方御业科技有限公司 WWW.DFYCONN.COM TEL:0755-27155560				
THESE DRAWING AND SPECIFICATION ARE THE PROPERTY OF Shenzhen Dongfangyue ELECTRONIC CO., LTD.. SHALL NOT BE REPRODUCED.		DRAWN:	CHENLEI	2017/09/10	TOTAL:			
		CHECKED:	CHENLEI	2017/09/10	DisplayPort SMT 直脚 有柱 带弹款 (RoHS)			
		APPROVED:	QINKAIXING	2017/09/10	PART NO: EAST-DP0440A0008			
				UNIT:		SCALE: N/A	SHEET: 1:1	REV.



RECOMMENDED PCB LAYOUT
(THICKNESS=1.6±0.15mm)

