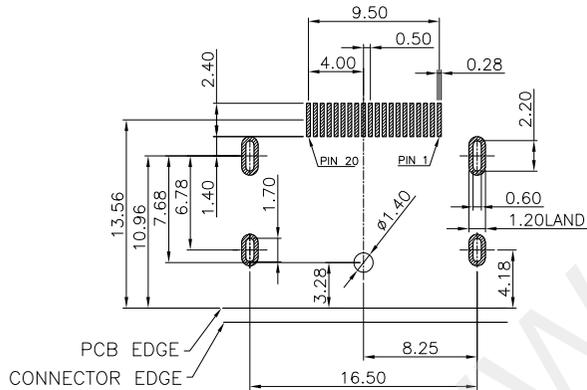


SECTION: A-A  
SCALE: 1:1

NOTE:

1. MATERIAL:
  - 1.1 INSULATOR: LCP,UL 94V-0. COLOR:BLACK
  - 1.2 CONTACT : COPPER ALLOY C2680-H T=0.20MM
  - 1.3 SHELL:C2680 T=0.40
2. PLATING:
  - 2.1 CONTACT: 1u" GOLD PLATED ON CONTACT AREA  
30u" Min. NICKEL UNDER-PLATED
  - 2.2 SHELL:50u" Min. NICKEL PLATED OVERALL
3. CHARACTERISTICS:
  - 3.1 ELECTRICAL CHARACTERISTICS:
    - CONTACT RESISTANCE:30mΩ MAXIMUM
    - CONTACT CURRENT RATING: 0.5A
    - APPLIED VOLTAGE RATING: 40V AC
    - DIELECTRIC WITHSTANDING VOLTAGE:500 V R.M.S.
    - INSULATION RESISTANCE 100 MEGOHMS MIN
    - OPERATING TEMPERATURE:-25°C ~ +85°C
  - 3.2 MECHANICAL:
    - MATING FORCE: 4.5Kg.Max.
    - UNMATING FORCE: 1.0~4.0Kg.
    - DURABILITY: 10000 CYCLES



RECOMMENDED P.C.B. LAYOUT (T=1.6)  
TOLERANCE : ±0.05mm

PIN 1	ML_Lane 0 (p)	Lane 0 (positive)	PIN 11	GND	Ground
PIN 2	GND	Ground	PIN 12	ML_Lane 3 (n)	Lane 3 (negative)
PIN 3	ML_Lane 0 (n)	Lane 0 (negative)	PIN 13	CONFIG1	connected to Ground*
PIN 4	ML_Lane 1 (p)	Lane 1 (positive)	PIN 14	CONFIG2	connected to Ground*
PIN 5	GND	Ground	PIN 15	AUX_CH(p)	Auxiliary Channel (positive)
PIN 6	ML_Lane 1 (n)	Lane 1 (negative)	PIN 16	GND	Ground
PIN 7	ML_Lane 2 (p)	Lane 2 (positive)	PIN 17	AUX_CH(n)	Auxiliary Channel (negative)
PIN 8	GND	Ground	PIN 18	Hot Plug	Hot Plug Detect
PIN 9	ML_Lane 2 (n)	Lane 2 (negative)	PIN 19	Return	Return for Power
PIN 10	ML_Lane 3 (p)	Lane 3 (positive)	PIN 20	DP_PWR	Power for connector (3.3 V 500 mA)



深圳市华宇创精密电子有限公司

<b>TOLERANCE:</b> X.X ±0.30 X.XX ±0.25 X.XXX ±0.15 X.* ±2* X.X* ±0.5*	<b>DRAWN BY :</b> 陈一鸣	<b>DATE :</b> 2014-02-23	<b>PART NAME:</b> DP SMT 有弹无卡点	
	<b>CHECKED BY:</b> 马跃	<b>DATE :</b> 2014-02-23	<b>PART NO.</b> HYC24-DP20-145	<b>MOLD NO.</b> /
<b>UNIT: mm [inch]</b> <b>SCALE:1:1 SIZE: A4</b>	<b>APPROVED BY:</b> 邱敏	<b>DATE :</b> 2014-02-23	<b>DRAW NO:</b> HYC-1911130940	<b>SHEET NO.</b> 1 OF 1