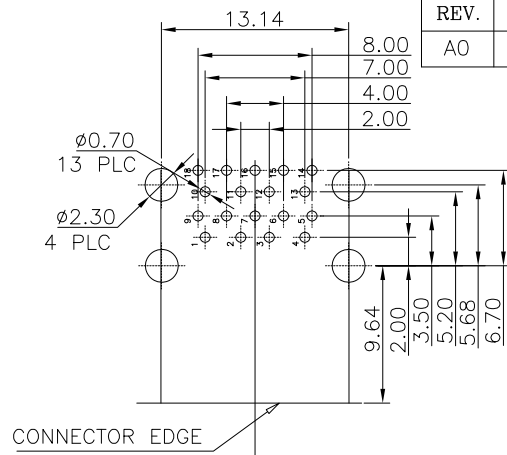
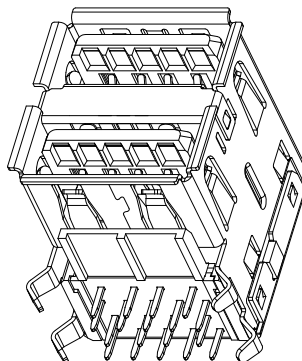
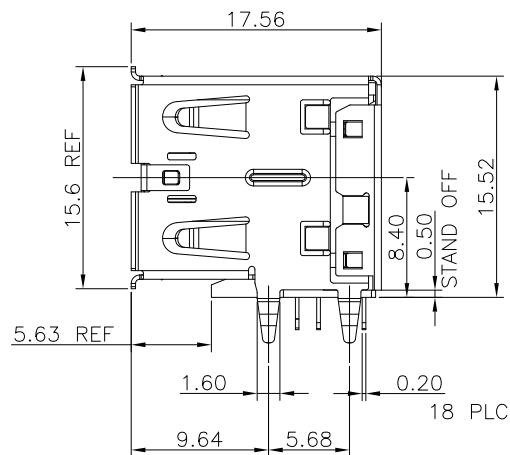


GP Component

P.C.B. LAYOUT (COMPONENT SIDE)
DEFAULT TOLERANCE: ±0.05
(TOP VIEW)

NOTES:

1. MATERIAL:

- 1.1 HOUSING: LCP UL 94V-0, COLOR: BLUE.
- 1.2 INNER INSULATOR: LCP UL 94V-0, COLOR: BLUE.
- 1.3 2.0 CONTACT: C2680R-EH T=0.20mm
- 1.4 3.0 CONTACT: C2680R-EH T=0.20mm
- 1.5 SHELL: SUS204 T=0.25mm
- 1.6 MIDDLE SHELL: SUS204 T=0.20mm

2. FINISH:

- 2.1 CONTACT: GOLD FLASH ON CONTACT AREA/100u" MIN. TIN ON SOLDER AREA.
50u" MIN. NICKEL UNDERPLATING OVER ALL.
- 2.2 SHELL: 80u" MIN. NICKEL UNDERPLATING OVER ALL.

3. ELECTRICAL:

- 3.1 CONTACT RESISTANCE: 30 mΩ (MAX) INITIAL FOR VBUS AND GND CONTACTS
50 mΩ (MAX) INITIAL FOR OTHER CONTACTS
- 3.2 CURRENT RATING: 1.5Amps MAX PER PIN
- 3.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC FOR 1 MINUTE.
- 3.4 INSULATION RESISTANCE: 100 MΩ MIN

MATRIX PART NO:

MUSB 18 - 01 - 84

Matrix-USB Pin number Gold Plating:
01=Gold Flash
15=5u
30=30u

Series Number

USB 2.0 CONTACT PINS			USB 3.0 CONTACT PINS		
Pin NUMBER		SIGNAL NAME	Pin NUMBER		SIGNAL NAME
1	10	VBUS	5	14	StdA_SSRX-
2	11	D-	6	15	StdA_SSRX+
3	12	D+	7	16	GND_DRAIN
4	13	GND	8	17	StdA_SSTX-
Shell		Shield	9	18	StdA_SSTX+

NO	VARIETY	QTY	MATERIAL	REMARK
 Matrix Electronics Co., Ltd				
TOLERANCE: X.X ±0.30 X.XX ±0.25 X.XXX ±0.15 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2014/10/06	PART NAME: USB 3.0 H=15.52mm CH=8.40mm, STD-SHORT, DOUBLE STACKED DIP TYPE.
UNIT: mm [inch]		CHECKED BY: Vicky Hsieh	DATE : 2014/10/06	PART NO. MUSB18-01-84
SCALE: 1:1 SIZE: A4		APPROVED BY1: Richard Hsieh	DATE : 2014/10/06	MOLD NO. NA
		APPROVED BY2: Richard Hsieh	DATE : 2014/10/06	DRAW NO.
				SHEET NO. 1 OF 1