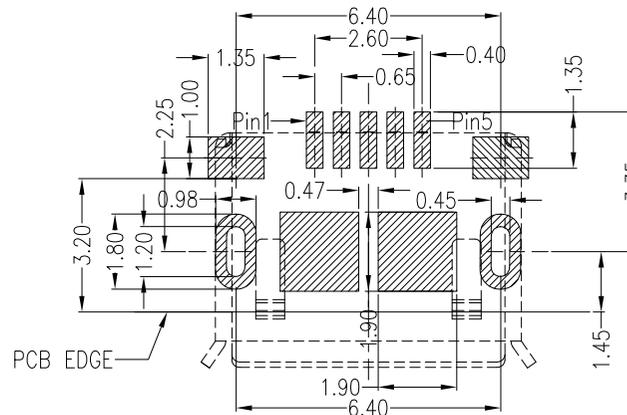
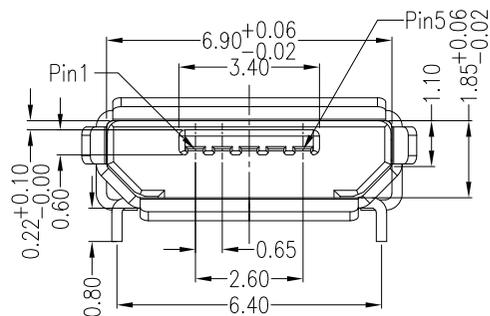
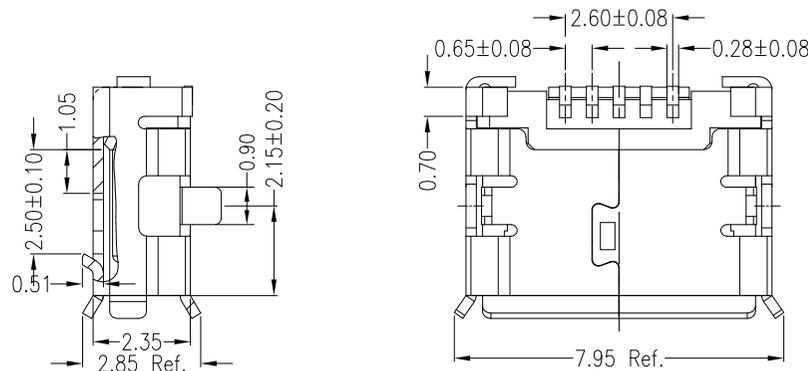
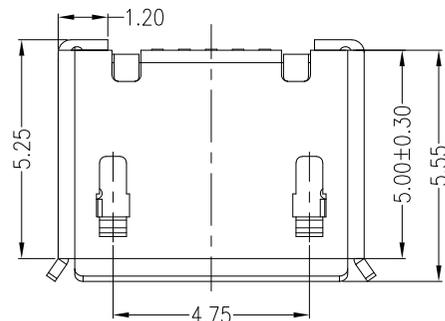
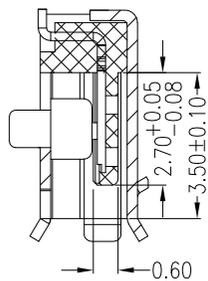
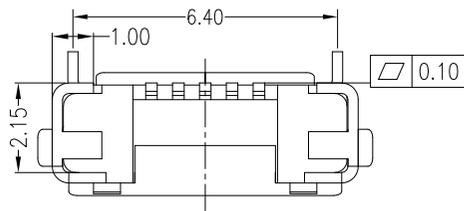


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/11/23	Phebe Su
A1			Modify material	2017/11/23	Phebe Su
A2			Change aperture size of the Layout	2019/10/08	Phebe Su



## Note:

### 1.Material:

- 1.1 Housing: High temperature thermoplastic with g.f, UL94V-0, LCP BLACK.
- 1.2 Contact: Copper Alloy, t=0.20mm, Gold Flash plated over nickel underplating overall.
- 1.3 Shell: SUS304, Nickel plated overall.

### 2.Specification:

- 2.1 Current rating: 1,5PIN 1.8A Max/2,3,4PIN 1A Max.
- 2.2 Dielectric withstanding voltage: 100 V(ac) for 1 min.
- 2.3 Contact resistance: 30 mΩ Max.
- 2.4 Insulation resistance: 100 MΩ Min.
- 2.5 Total mating force: 3.57 Kgf Max.
- 2.6 Total unmating force: 1.0 Kgf Min.
- 2.7 Temperature range: -40°C~85°C
- 2.8 Durability: 10000 Cycles

MATRIX PART NO:

MATRIX USB MUSB 05 - 01 - 279 Series number

Pin Number      Plating  
01:Gold Flash

### RECOMMENDED PCB LAYOUT

PCB图仅供参考

PIN NO.	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5
SIGNAL NAME	VBUS	D-	D+	ID	GND



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.15 X.XX ±0.10 X.XXX ±0.05 ANGLE: ±3°	DESIGN BY : Phebe Su	DATE : 2019/10/08	PART NAME: Micro usb 5S B Type SMT		
APPROVED BY1: Richard Hsieh	DATE : 2019/10/08	MOLD NO.	NA		
APPROVED BY2: Richard Hsieh	DATE : 2019/10/08	DRAW NO.			
SCALE:1:1    SIZE:A4		SHEET NO.	1 OF 1		