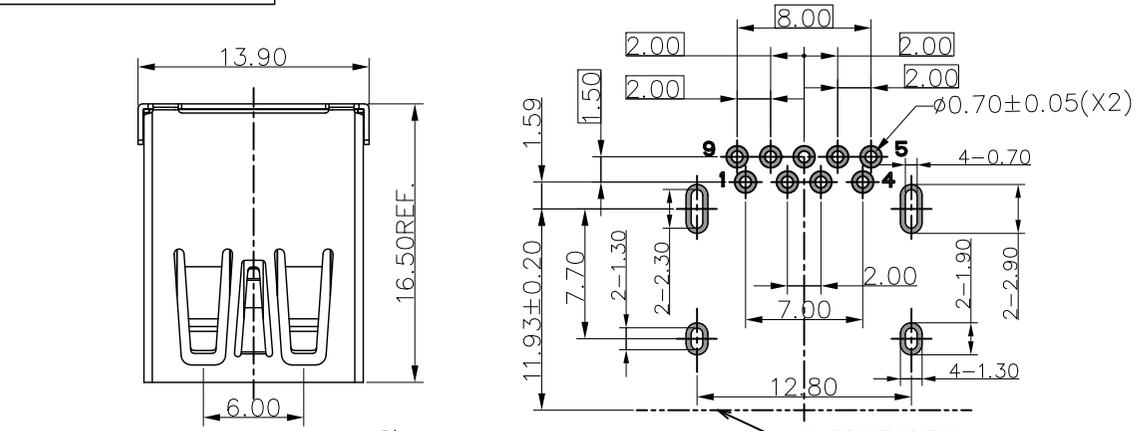
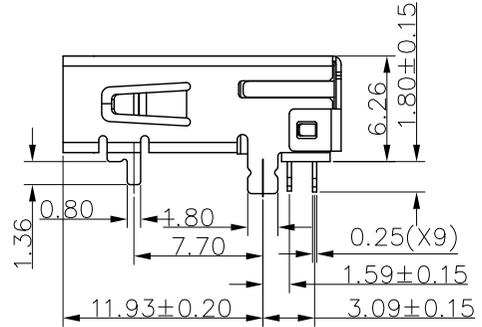
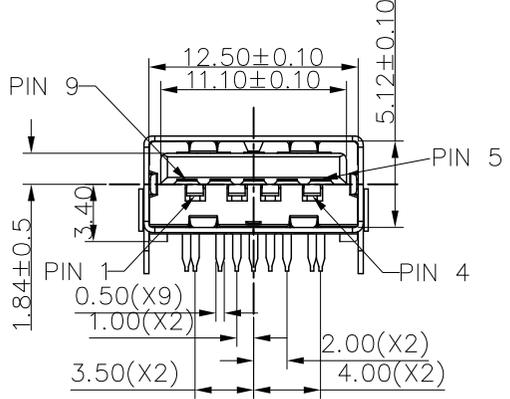


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2020/10/14	Ken Lin
A1			Change Dwring	2024/07/03	Ken Lin



CONNECTOR FRONT EDGE
 REFERENCE PCB LAROUT (THICKNESS: 1.60mm)
 TOLERANCE: ± 0.05 mm

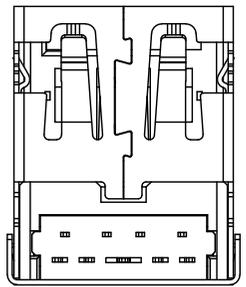
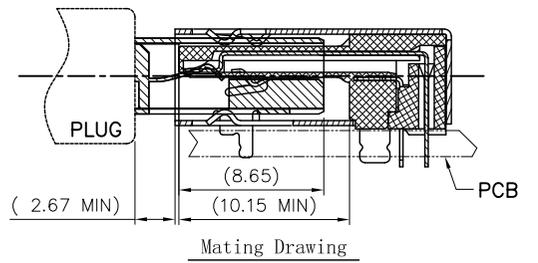


SPECIFICATIONS:

- 1.0 Electrical Performance:
 - 1.1 Contact current Rating:
 - 1.80 Amperes for VBUS and GND contacts
 - 0.25 Amperes for all other contacts
 - 1.2 Dielectric Withstanding Voltage: AC 100V/minute
 - 1.3 Insulation resistance: 100M ohms Min
 - 1.4 Contact Resistance:
 - 30m ohm Max for VBUS and GND contacts
 - 50m ohm Max for all other contacts
 - 1.5 Voltage Rating: DC30 Vac (rms)
- 2.0 Mechanical Performance:
 - 2.1 Mating Force: 35N Max
 - 2.2 Unmating Force: 10N~25N;
 - 2.3 Durability: 5000 cycles
- 3.0 Environmental Performance:
 - 3.1 Temperature Range:
 - 3.1.1 Operating Temperatures: -20°C TO +85°C.
 - 3.1.2 Storage Temperatures: -45°C TO +60°C.
 - 3.1.3 Resistance to REFLOW SOLDERING HEAT: 260°+0/-5°, 10s.
 - 3.2 Salt Spray 24h for contact gold&shell Nickel
- 4.0 MATERIAL:
 - 4.1 Housing: PA9T, Color: Blue UL94V-0
 - 4.2 Contact: USB2.0 Contacts C5191
USB3.0 Contacts C2680
 - 4.3 Shell: SUS
- 5.0 PLATING:
 - 5.1 Contact: Au 1u" Plated on contact area
Tin 100u" Plated on solder area (Matte Sn)
Nickel 50u" Min Plated underplating over all.
 - 5.2 Shell: Nickel 30u" Min underplating over all.

MATRIX PART NO:

MATRIX USB MUSB 09 - 01 - 526 Series number
 Pin Number Plating
 01: Gold Flash(1u")
 15: 15u"
 30: 30u"



Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 2.0 DIFFERENTIAL PAIR	THIRD
3	D+	DIFFERENTIAL PAIR	
4	GND	GROUND FOR POWER RETURN	SECOND
5	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR	LAST
6	StdA_SSRX+	DIFFERENTIAL PAIR	
7	GND_DRAIN	GROUND FOR SIGNAL RETURN	
8	StdA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR	
9	StdA_SSTX+	DIFFERENTIAL PAIR	
Shell	Shield	CONNECTOR METAL SHELL	FRIST

TOLERANCE:
 X:X ±0.35
 X:XX ±0.25
 X:XXX ±0.20
 X:XXX ±0.10
 ANGLE: ±3

DESIGN BY : Ken Lin
 DATE : 2024/07/03

CHECKED BY: Vicky Hsieh
 DATE : 2024/07/03

APPROVED BY1: Richard Hsieh
 DATE : 2024/07/03

APPROVED BY2: Richard Hsieh
 DATE : 2024/07/03

PART NAME: USB 3.2 Gen2 A TYPE FEMALE R/A DIP CH3.4

PART NO. MUSB09-01-526

MOLD NO. NA

DRAW NO.

SHEET NO. 1 OF 1

