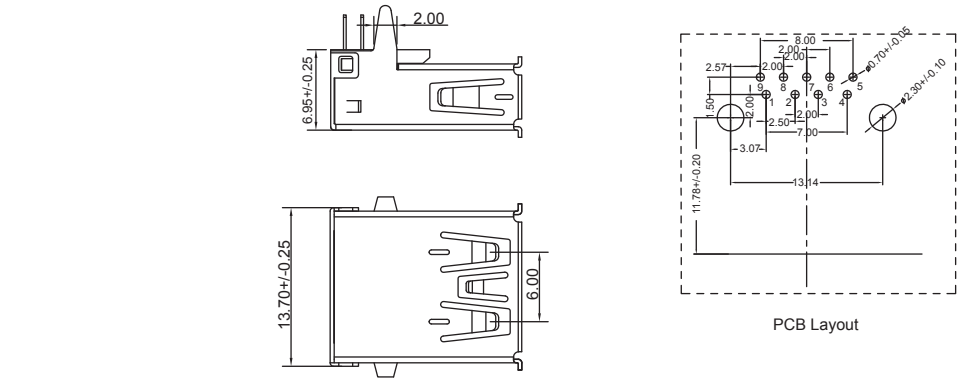
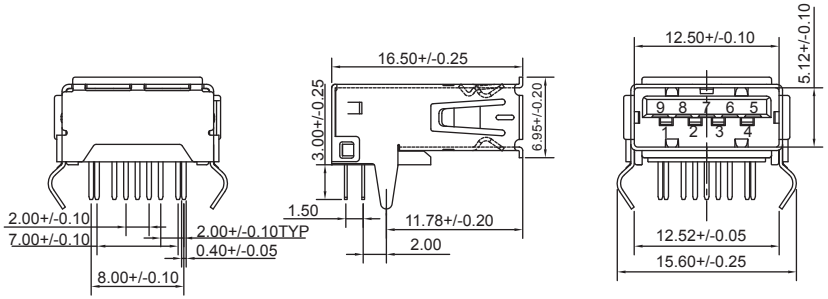
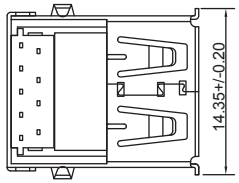


PCB Layout





USB TYPE A PINOUT	
PIN	Signal Name
1	VBUS
2	D-
3	D+
4	GND
5	StdA_SSRX-
6	StdA_SSRX+
7	GND_DRAIN
8	StdA_SSTX-
9	StdA_SSTX+
Shell	Shield

SPECIFCATIONS

Contact current Rating
- 1.8 Amperes for pin 1 &pin4
- 0. 25 Amperes other contacts

Dielectric Withstanding Voltage: AC 100V(RMS)
Insulation resistance: 100megohms Minimum
Contact Resistance
- 30mohm Max for pin1 & pin4
- 50mohm max for other contacts

Mechanical Characteristics:
- Mating Force: 35 Newtoms Maximum
- Unmating Force: 10 Newtoms Minimum
- 8N Min After Durability

MATERIAL:
- Housing: PBT+30%GF 94v-0 COLOR: BLUE
- Contact: copper alloy(T=0.25mm)
- Shell: Brass

PLATING:
- Contact: 15u” Gold Plated on contact area
- Tin Plated on solder area
- Nickel underplating over all
- Shell: Nickel Plated

Operating Temperature: -55°C to +85°C

REV.:	CONTENTS	DATE	
A	NEW	2018.1.17	

REVISION HISTORY

PART NO.: PUSB-9PS-02-15	
APPROVED BY: TSLee	
REV.: A	UNIT: mm
DRAFTED BY: XiaoMing	DATE: 2018.1.17

Ceptor LABS
Technology & Value