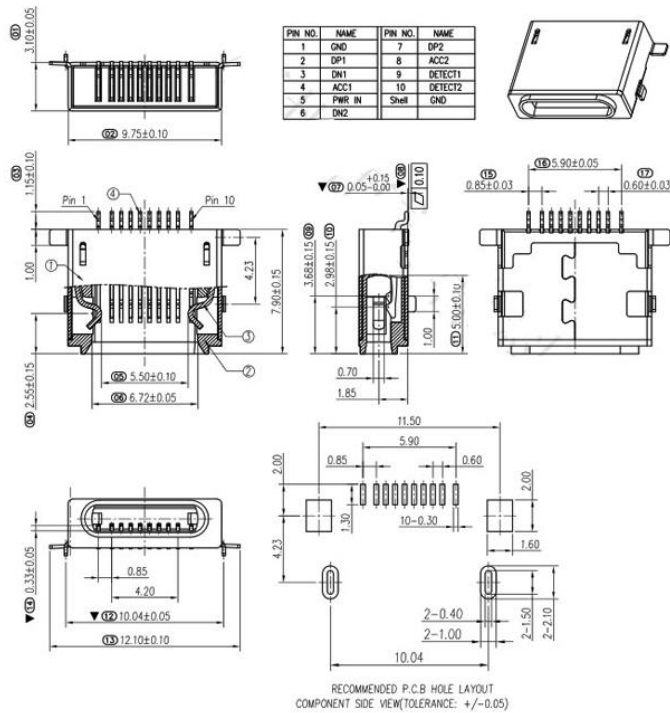


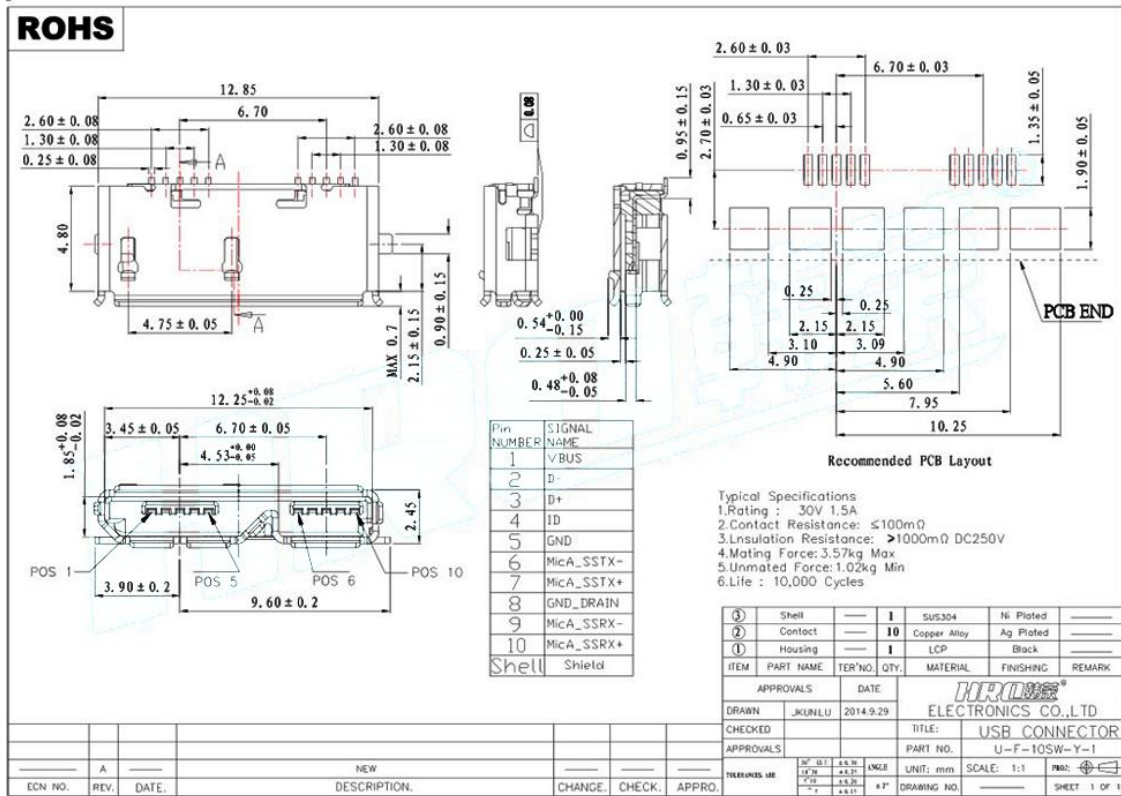
Lightning USB Connectors Datasheets



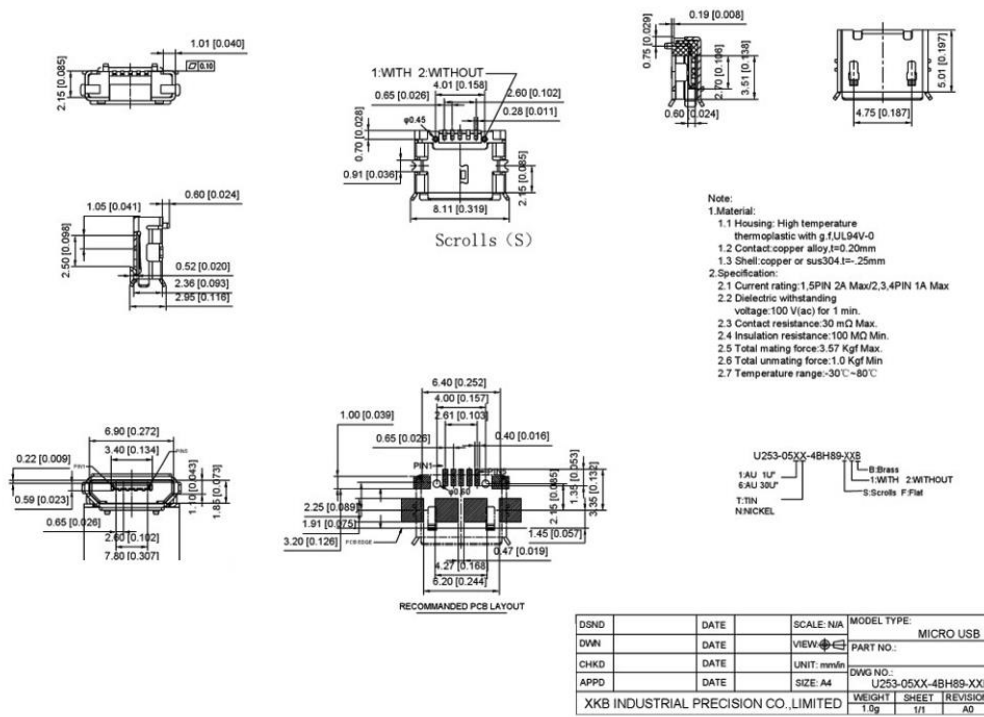
- Specification:
- Electrical Characteristics:
 - Contact Current Rating: 1.5 Amperes Max.
 - Rated Voltage: 30V Max.
 - Dielectric Withstanding Voltage: AC 500V r.m.s.
 - Insulation Resistance: 100 MΩ Minimum.
 - Contact Resistance: 50 mΩ Maximum.
 - Environmental:
 - Operating Temperature: -25°C~+85°C.
 - Mechanical Characteristics:
 - Insertion Force: 15Nf Max.
 - Withdrawal Force: 3Nf Min.
 - Durability Cycles: 5000 Cycles.
 - Make is FAI test Dimension
 - ▼ Make is major test Dimension

4	CONTACT	Copper Alloy,AuNiSn; T=0.20mm;
3	LATCH	Stainless Steel;SUS304,T=0.30mm;
2	HOUSING	LCP Thermoplastic,UL94V-0;
1	SHELL	Stainless Steel;SUS304,T=0.20mm;
NO.	NAME	DESCRIPTION

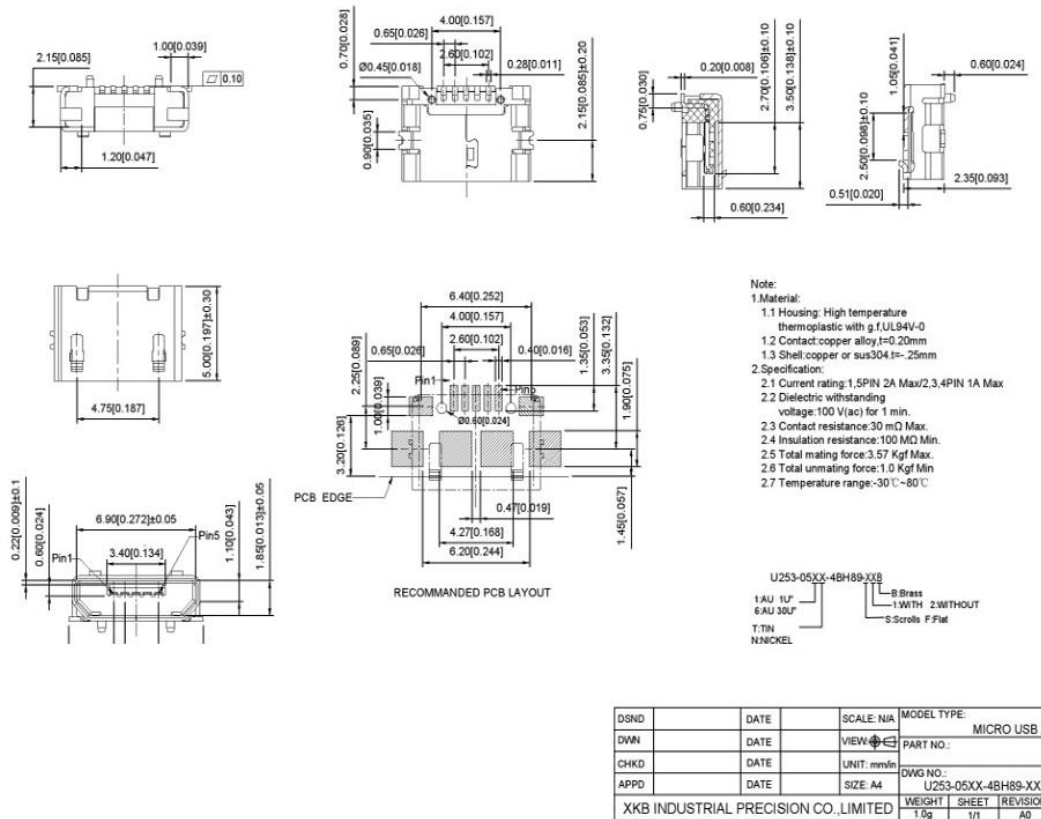
Micro B Connectors Datasheets



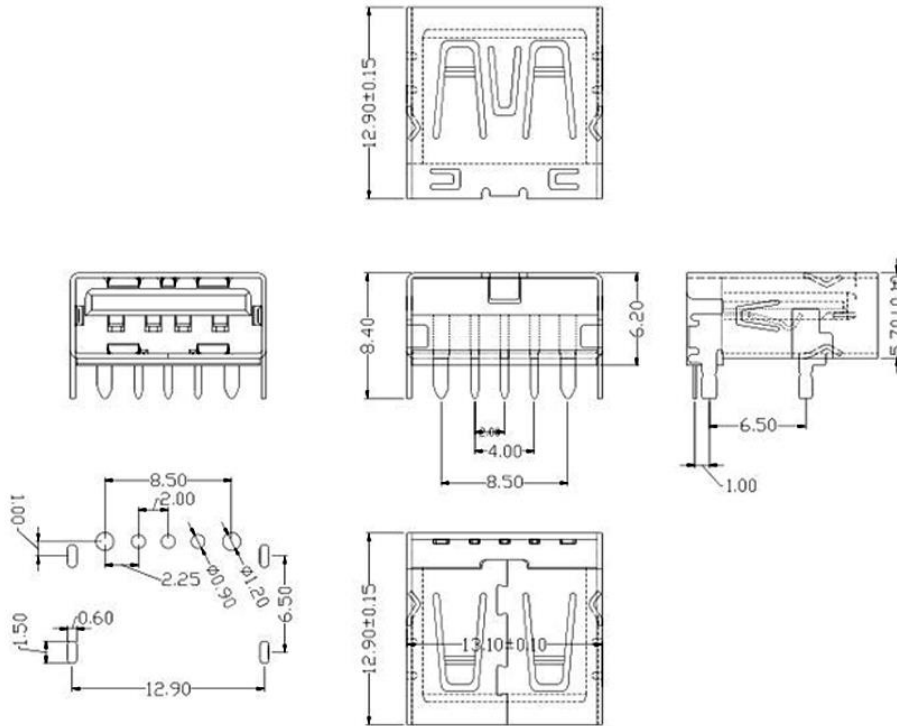
Micro B Connectors Datasheets



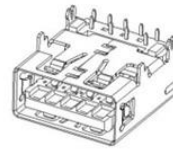
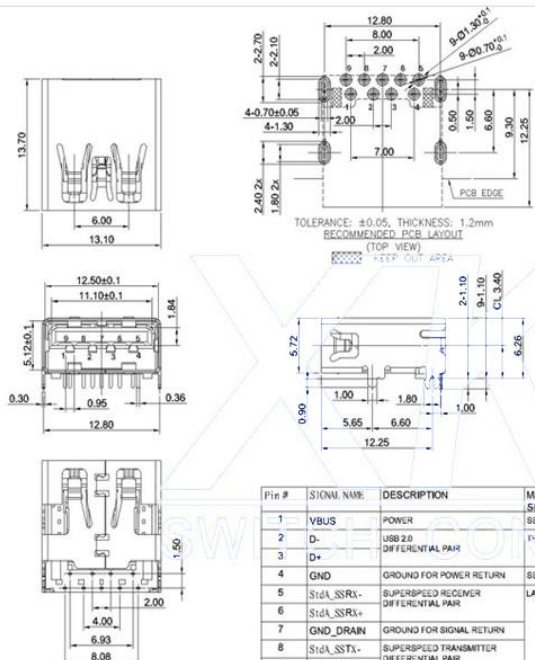
Micro USB Connectors Datasheets



Type A USB Connectors Datasheets



Type A Connectors Datasheets



Material
 Housing Material: PA9T, UL94V-0, green/blue
 Contact Terminal: Brass
 Metallic Shell: Brass
Plating
 Underplating: Nickel
 Contact Plating: 1µ" Gold
 Solder Tail: 100µ" Min. Tin
 Metallic Shell: Nickel
Electrical
 Voltage Rating: 100 V AC
 Current Rating: 0.25A (Signal pins 2,3,5,6,7,8,9) 3A (Power Pins 1,4)
 Contact Resistance: 30mΩ Max.
 Insulation resistance: 1000MΩ Min.
 Dielectric withstanding voltage: 100V AC/Minute
Mechanical
 Durability: 1500 cycles
 Mating Force: 35N (3.57Kg) Max
 Unmating Force: 10N (1.02Kg) Min. initial, 8N min after test
 Environmental and Processing
 Operating Temperature: -40°C to +85°C

Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 2.0 DIFFERENTIAL PAIR	FIRST
3	D+	DIFFERENTIAL PAIR	
4	GND	GROUND FOR POWER RETURN	SECOND
5	Std_SSRx-	SUPER SPEED RECEIVER DIFFERENTIAL PAIR	LAST
6	Std_SSRx+		
7	GND_DRAIN	GROUND FOR SIGNAL RETURN	
8	Std_SSTx-	SUPER SPEED TRANSMITTER DIFFERENTIAL PAIR	
9	Std_SSTx+		
Shell	Shield	CONNECTOR METAL SHELL	FIRST

