


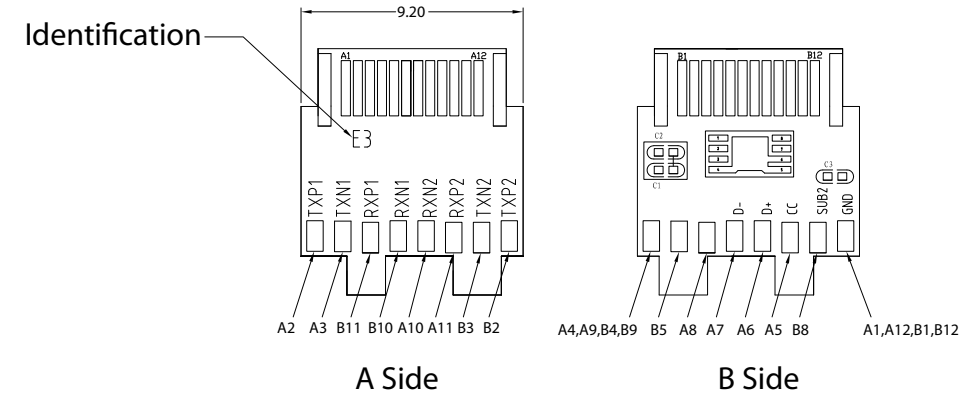
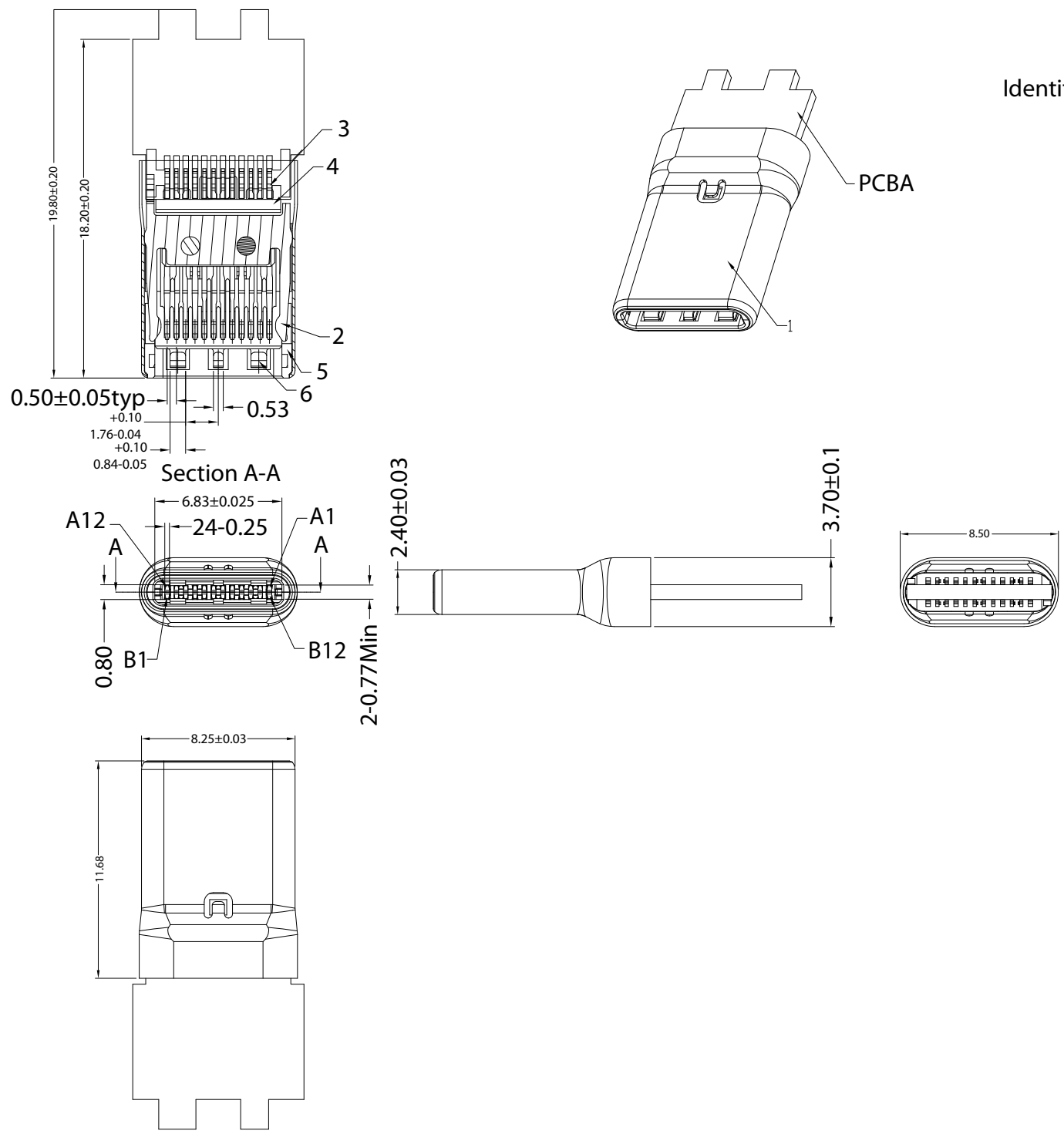
Pin Assignment:

| USB 3.1 CM Type | USB 3.1 CM Type |
|-----------------|-----------------|
| B2 | A11 |
| B3 | A10 |
| A8 | B8 |
| A7 | A7 |
| A6 | A6 |
| A5 | A5 |
| B10 | A3 |
| B11 | A2 |
| GND+64 | 2D+4D+B |
| A2 | B11 |
| A3 | B10 |
| V | V |
| B8 | A8 |
| A10 | B3 |
| A11 | B2 |

Speed: 10Gbps
 Power: 3A
 Open / Short Test: 100% Test
 Insulation: Min 5M

RoHS

| | | | | | | |
|---|---|------|---|---|--------------|--------------|
| 5 | Copper Foil | 2pcs | Part # | USB3-CM-CM-X (X = Length) | Part # | Cable Length |
| 4 | PE | 10g | | | | |
| 3 | Black 45P PVC | 20g | | | | |
| 2 | USB3.1 CM Type (Black Insulator, Nickel Plated) Full Function, 16-Pin | 2pcs | Title | USB 3.0 USB-C Male to USB Type C Male Cable - Black | USB3-CM-CM-1 | 1ft |
| 1 | 30AWG*4P+1P*30AWG+4C*32#+1C*22AWG+2D*30AWG+AB (TA) OD=5.5mm Black PVC Jacket | 1pcs | | | Unit | mm |
| | | |  PI Manufacturing Corp. | | USB3-CM-CM-6 | |



Recommended PCB Layout
 General Tolerance ±0.05mm (T=0.8±0.05)

- Notes:**
1. Electrical:
 - Insulation Resistance: 100Mohm Min.
 - Dielectric Withstanding Voltage: 100V AC at sea level
 2. Mechanical:
 - Insertion Force: 5N Min, 20N Max.
 - Withdrawing Force: 8N Min, 20N Max.
 - Durability: 10000 Cycles

| | | | | |
|---|-----------------------|----|---------------|---|
| 6 | Gnd Spring | 2 | SUS | |
| 5 | Insert Molding Spring | 2 | Thermoplastic | Black |
| 4 | Insert Molding 12P | 2 | Thermoplastic | Black |
| 3 | Contact | 24 | Copper Alloy | Contact Area: Gold Solder Tails: Tin Nickel Underplated Overall |
| 2 | Latch | 1 | SUS | |
| 1 | Shell | 1 | SUS | NI 50-90u" |

| | | |
|--|-------------------------------|----------------------|
| General Tolerance of Dimensions: .X ±0.25 .XX ±0.15 | Part # | USBC-13MJ-XLXTX-58 |
| | Title | USB-C Male Connector |
| | Unit | mm |
| SCALE 1/1 (A4) | PI Manufacturing Corp. | |

RoHS

Cable Specifications

| | | (7/0.080T*1P+D+AL+HM)*4C+7/0.060T*1P+7/0.080T*4C+7/0.200T*1C+2D+AB16/10/0.080T | | | OD:4.80mm |
|-------------------|---------------------|--|------------------------|--|------------------------|
| | | COMPONENT A | COMPONENT B | COMPONENT C | COMPONENT D |
| Component | Construction AWG/mm | 7/0.08 (32AWG) | 7/0.060(34AWG) | 7/0.08(32AWG) | 7/0.20 (24AWG) |
| | Material | TINNED COPPER STRANDED | TINNED COPPER STRANDED | TINNED COPPER STRANDED | TINNED COPPER STRANDED |
| | (Cabling OD) mm | 0.24 (REF) | 0.18 (REF) | 0.24 (REF) | 0.60 (REF) |
| Insulation | NO of wires | 4P | 1P | 4C | 1C |
| | Material | FOAM-PE-SKIN | HDPE | HDPE | HDPE |
| | (OD) mm | 0.58±0.05 | 0.35±0.05 | 0.45±0.05 | 0.90±0.05 |
| | (Thickness)mm | 0.16 (REF) | 0.08 (REF) | 0.10 (REF) | 0.14 (REF) |
| | Color | 1. YELLOW&BLUE 2. ORANGE&PURPLE 3. WHITE&RED 4. WHITE&BROWN | 5. WHITE&GREEN | 6. YELLOW 7. BLUE 8. PINK 9. PURPLE | 10. RED |
| Shield | Drain | 7/0.08T (32AWG) | / | / | / |
| | AL/MYLAR | AL. FACE INSIDE | / | / | / |
| | HOT mylar | HOT MYLAR | / | / | / |
| | DRAIN | 7/0.100T*2PCS (30AWG) | | | |
| | AL/MYLAR | AL. FACE OUTSIDE | | | |
| | Construction N/mm | 16/10/0.08 | | | |
| | Material | TINNED COPPER WIRE | | | |
| | Coverage % | 85% | | | |
| Jacket | (OD) mm | 4.80±0.20 | | | |
| | Material | PVC | | | |
| | Thickness | 0.45 (REF) | | | |
| | Marking | E301195 AWM STYLE 2725 80°C 30V VW-1 SUPER HIGH SPEED USB Revision 3.1 PAK HENG | | | |
| | Color | BLACK | | | |
| UL Style | UL 2725 | | | | |

| Electrical Characteristics | Physical Characteristics |
|--|--|
| 1. Voltage rating: 30V 2. Temperature rating: 80°C 3. Spark test:AC-1500V/In the air 4. Dielectric strength: AC-500V/1 sec MIN 5. Insulation resistance: FOAM-PE/HDPE DC-500V 100M Ω.KM MIN.at 20°C 6. Conductor resistance: 32AWG-563 34AWG-908 Ω/KM MAX at 20°C 24AWG-89.3 Ω/KM MAX at 20°C | 1. Tensile strength test are before aging: JACKET:1500PSI min Aged:70% min 2. Elongation before aging: JACKET:100% min Aged:65% min |

