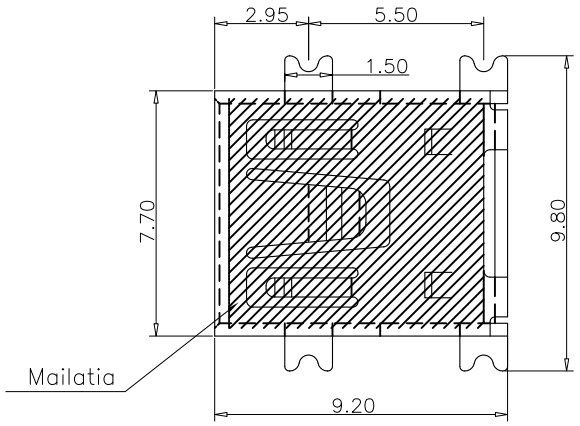
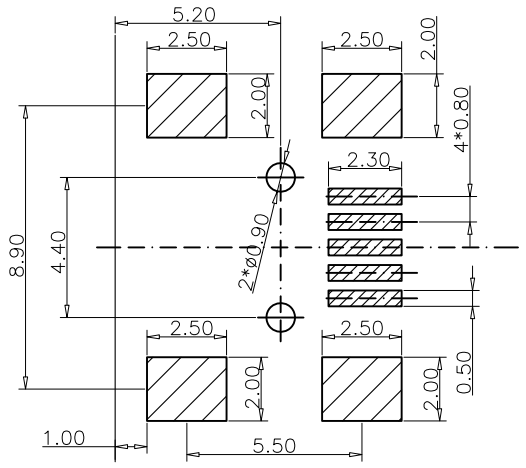
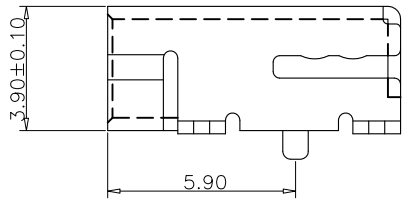
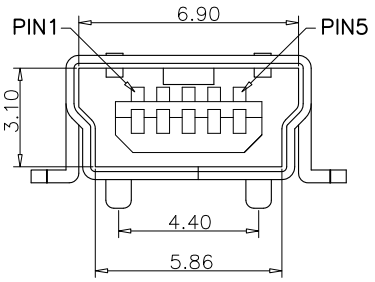
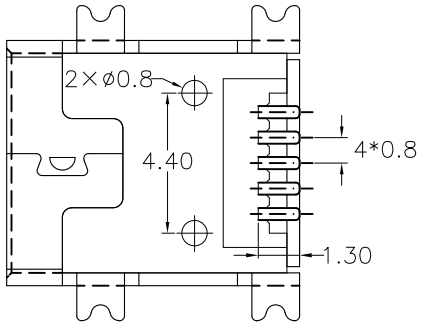




RECOMMENDED PCB LAYOUT







Specifications

A. Material
Plastic cement: LCP, Black
Contact: Copper Alloy, T=0.20mm
Shell: Copper Alloy, T=0.40mm

B. Plating
Contact Area: 1u" Au over 50u' min. Nickel
Solder Tails: 100u" min. Matte Tin over 50u' min. Nickel
Shell: 60u" min. Nickel

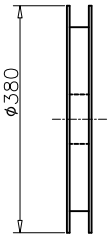
C. Electrical
Current Rating: 1.0A/contact terminal
Voltage Rating: 30V
Power Rating: 30W
Contact Resistance: 40mΩ max initial
50mΩ max after test
Dielectric Withstanding Voltage: 100V AC
Insulation Resistance: 100MΩ min.

D. Mechanical & Environmental
Operating Temperature: −25℃ to +85℃
Insertion force: 30.0 N Max
Withdrawal force: 7.0 N Min
Contact retention: 5.0N Min
Durability: 5000 cycles

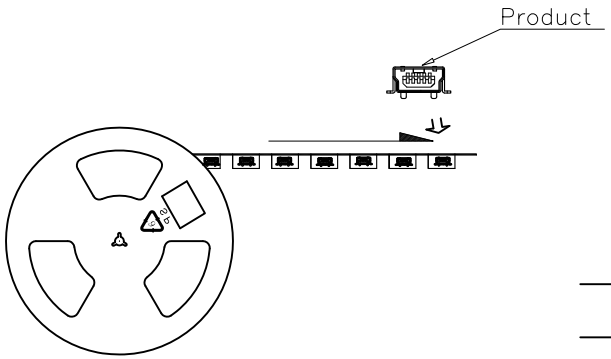
Pin Numbe	Signal Name
1	VBUS
2	D−
3	D+
4	ID
5	GND

Part Number			Product Description				
PMBFB-R21B-094			Mini USB Receptacle, Type B, Horizontal, 5 Pin, SMT, Top Mount				
DWG.No.	P-MBF-108		Tolerances Unspecified			Units: Metric(mm)	ROHS COMPLIANT 2011/65/EU Deca-BDEV
Revision	A0		X.X	±0.35	X° ±5°		
Designed	Lee	09/20/22	X.XX	±0.25	X.X° ±2°		
Approved	Allen	09/20/22	X.XXX	±0.15			

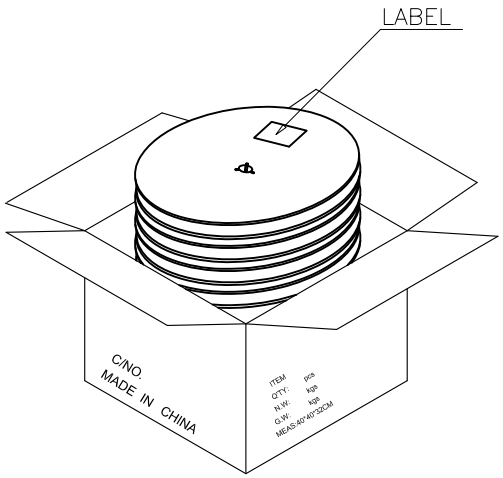
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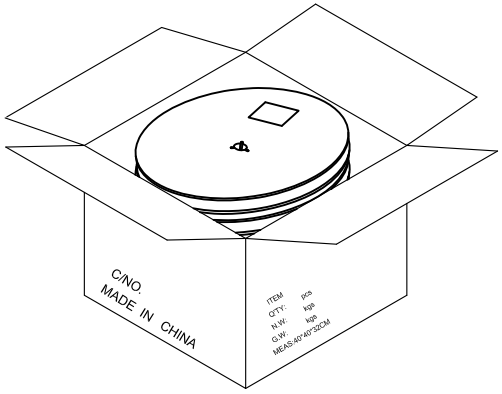
① Rubber disc



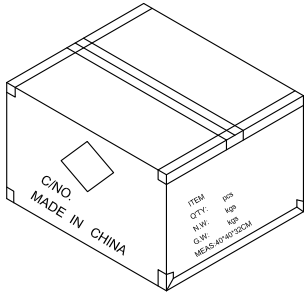
② 1000pcs/ disc



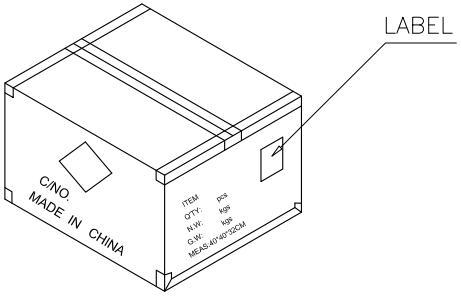
③ 10 plates/box (10 Kpcs)



④ Each case contains 10 plates, if the last few cases are filled with fillers.



⑤ The outer box is sealed with transparent adhesive tape in the shape of "H".



⑥ Paste the product or ROHS label as shown.

Part Number			Product Description				
PMBFB-R21B-094			Mini USB Receptacle, Type B, Horizontal, 5 Pin, SMT, Top Mount				
DWG.No.	P-MBF-108		Tolerances Unspecified			Units: Metric(mm)	ROHS COMPLIANT 2011/65/EU Deca-BDEv
Revision	A0		X.X	±0.35	X° ±5°		
Designed	Lee	09/20/22	X.XX	±0.25	X.X° ±2°		
Approved	Allen	09/20/22	X.XXX	±0.15			

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