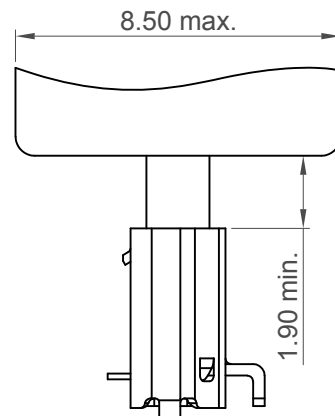
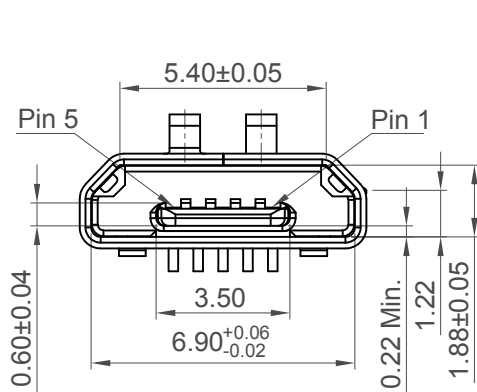
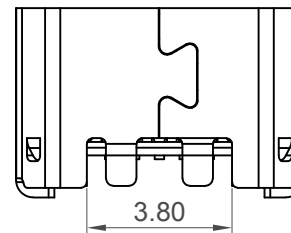
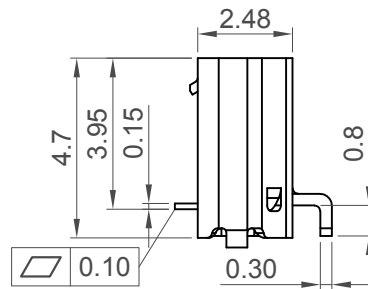
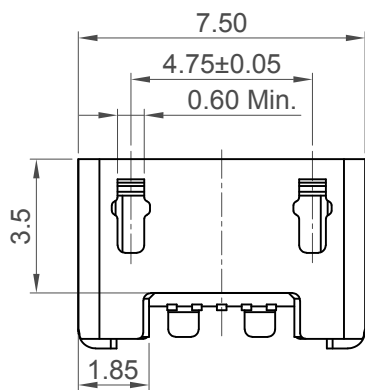


Plug and Receptacle
Mating View



Specifications

Material

Plastic Housing : LCP, UL94V-0, Black

Contact Terminal : C2680, T=0.15mm

Metallic Shell : SUS304, T=0.30mm

Plating

Contact Terminal:

Contact Area: Gold Flash

Solder Tails: Gold Flash

Underplating: 50μ" Nickel

Metallic Shell: 50μ" Nickel over all

Electrical

Voltage Rating: 30 V AC

Current Rating: Signal (Pins 2,3,4): 1.0 A.

Power (Pins 1,5): 1.8A.

Operating Temperature: -30°C to +85°C.

Contact Resistance: 30mΩ max.

Insulating Resistance: 1000MΩ min.

Dielectric Withstand Voltage: 100V AC/minute

Mechanical & Environmental

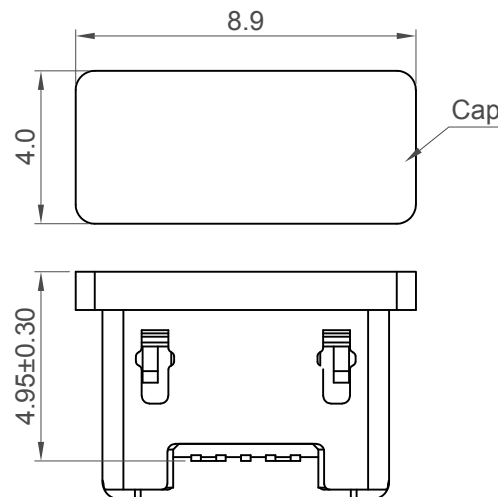
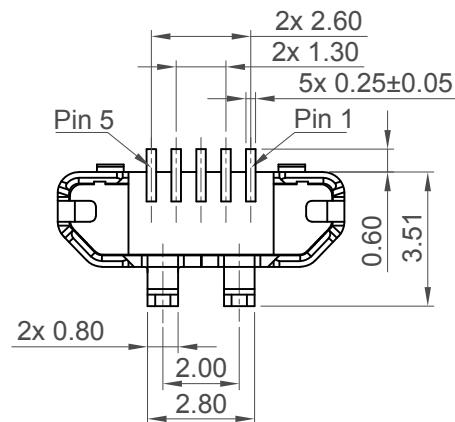
Mating Force: 35N max.

Unmating Force: 8N to 25N after durability test

Durability: 10,000 Cycles

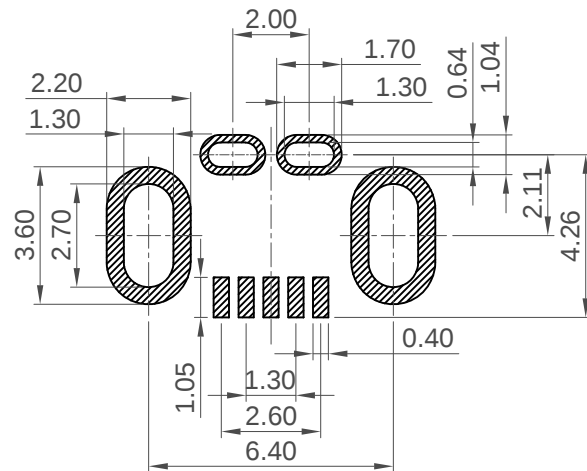
Ordering Grid

USB3190	GF	C	Request Samples and Quotation
<u>Contact Plating</u>			<u>Packing Options</u>
GF = Gold Flash			C = Tape & Reel with Cap (900 per reel)

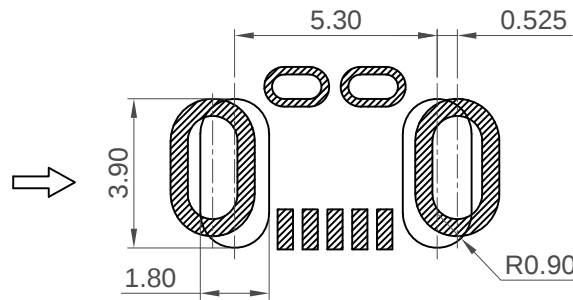


Pick & Place Cap

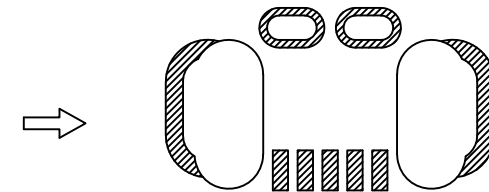
Part Number		Product Description				 www.gct.co		
USB3190		Micro USB Receptacle, Type B, Surface Mount, Vertical, Low Profile						
Drawing Date								
31st July 2020								
By	CC	Tolerances (Except as Noted)		Units:	  This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	Not to Scale	Drawn By	Sheet No.
Detail	Drawing Release	Length	Angle	Metric (mm)				
Revision	A2	X.X ± 0.30	-					
Date	12/10/20	X.XX ± 0.20		3rd Angle Projection				
		X.XXX ± 0.10					CC	1/3



Step 1: Create plated through holes



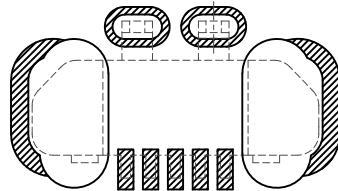
Step 2: Drill holes after plated through holes created



Step 3: Finished PCB holes

Irregularly-shaped holes manufacture process

General tolerance: ± 0.05



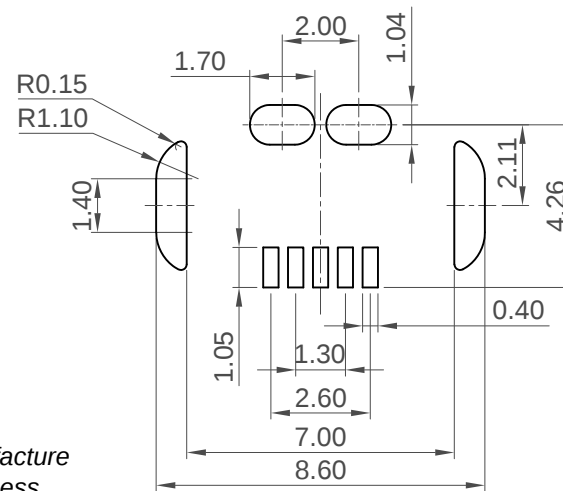
Recommended PCB Layout

Recommended PCB Thickness: 1.00mm

General tolerance: ± 0.05

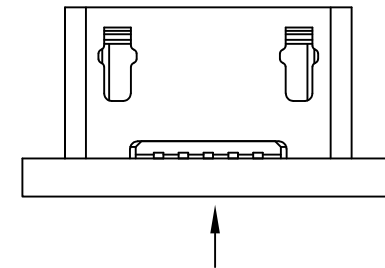
Note: please refer to Irregularly-shaped holes manufacture process for detail PCB layout dimension and process

▨ Solder Area □ Component Outline



Recommended Solder mask

Thickness = 0.12mm



Note:

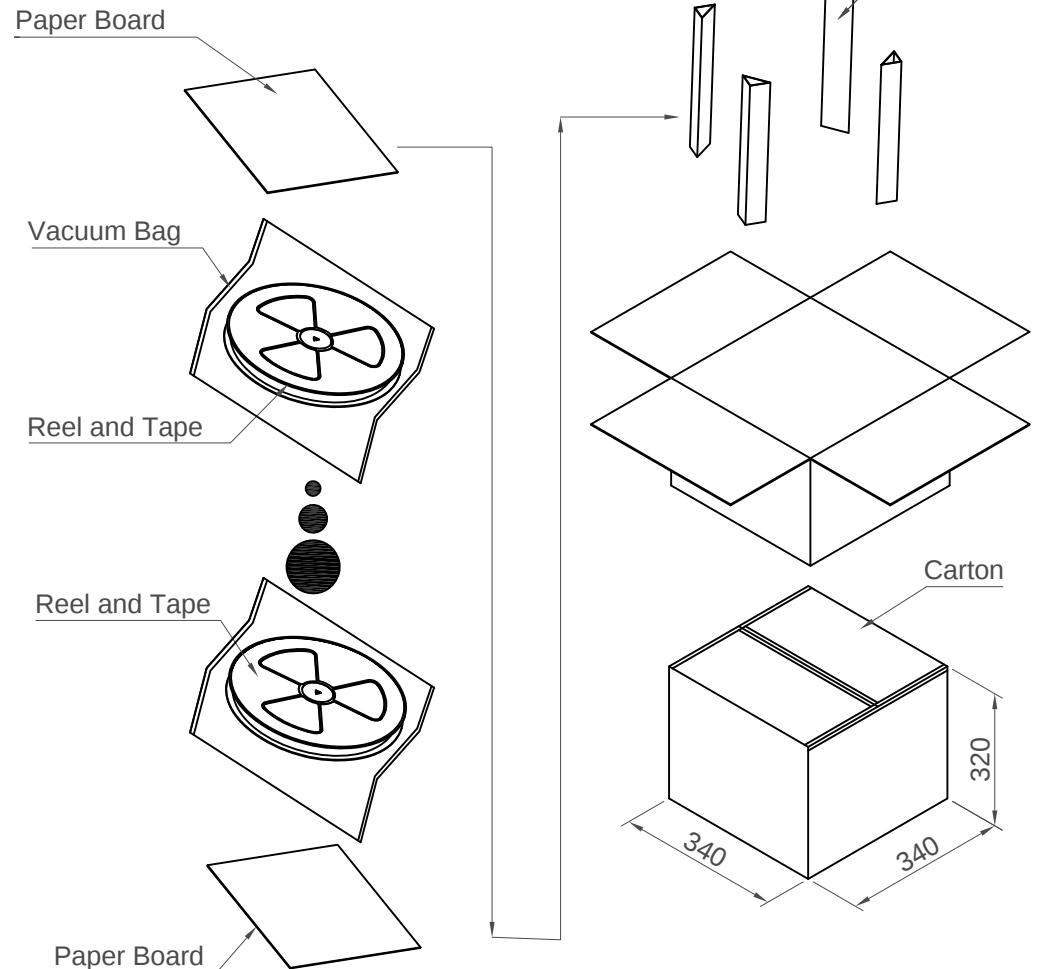
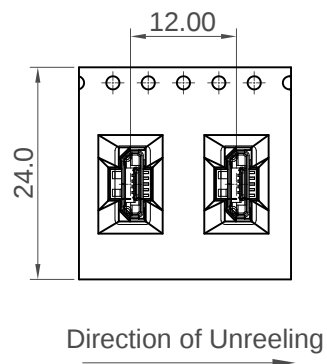
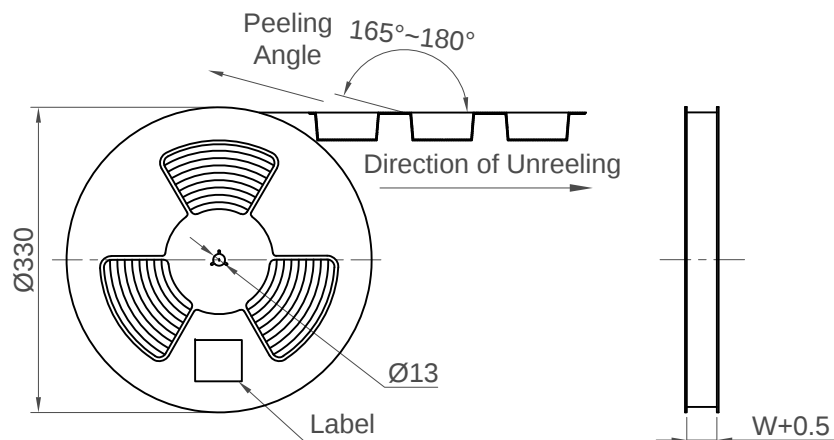
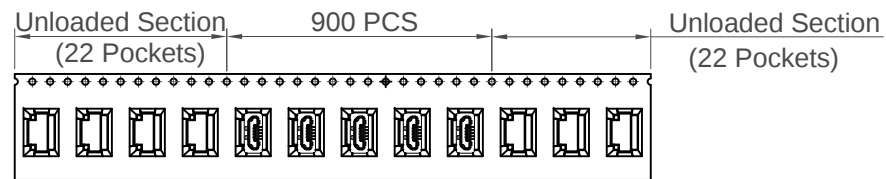
1. Solder balls may present on bottom side of the PCBA after reflow soldering. Washing & cleaning is recommended to remove debris.
2. Some additional hand soldering may be required after reflow.

Part Number USB3190		Product Description Micro USB Receptacle, Type B, Surface Mount, Vertical, Low Profile	
Drawing Date 31st July 2020			
By CC	Drawing Release	Tolerances (Except as Noted) Length X.X $\pm$ 0.30 X.XX $\pm$ 0.20 X.XXX $\pm$ 0.10	Units: Metric (mm)
Detail	Revision A2	-	
Revision Date 12/10/20			
			
			
		This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	
		Not to Scale	Drawn By CC
			Sheet No. 2/3



www.gct.co

GCT
www.gct.co



Pcs / Reel	Reels / Carton	Total Quantity
900	10	9,000 pcs

Part Number USB3190		Product Description Micro USB Receptacle, Type B, Surface Mount, Vertical, Low Profile	
Drawing Date 31st July 2020			
By CC	Drawing Release	Tolerances (Except as Noted) Length X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	Units: Metric (mm)
Detail	A2	-	3rd Angle Projection
Revision Date	12/10/20		
		RoHS COMPLIANT 2011/65/EU	This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE
		Not to Scale	Drawn By CC
			Sheet No. 3/3

GCT
www.gct.co

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Global Connector Technology \(GCT\):](#)

[USB3190-GF-C](#)