

6-Pin USB Type-C® Power Only Series

The GCT 6-Pin range is perfect for applications requiring power only for battery charging. The parts are ideal replacements for more traditional I/O connectors such as DC sockets and micro USB and deliver all the functional benefits of the USB Type-C format.

You can find out more about each connector by visiting our website at www.gct.co. Here you will have access to a broad range of resources for each product including drawings, product specifications, schematic symbols + PCB footprints and 3D models to download.



USB4125



USB4130



USB4135



USB4140



USB4175



USB4180



USB4515



USB4715

USB Version	Power Only	Power Only	Power Only	Power Only	Power Only	Power Only	Power Only	Power Only
Gender	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Plug	Receptacle	Receptacle
PCB Orientation	Horizontal	Vertical	Horizontal	Vertical	Vertical	Vertical	Horizontal	Horizontal
PCB Mount Type	Top	Top	Top	Top	Top	Top	Mid	Mid
Shell Stake Type	Thru-hole	Thru-hole	SMT	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-Hole
Profile Height	3.16mm	6.50mm	3.16mm	6.50mm	11.00mm	11.16mm	3.16mm	4.76mm
Body Length	6.80mm	-	6.90mm	-	-	-	6.80mm	8.20mm
PCB Pin Type	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT
Mid-Mount offset	-	-	-	-	-	-	1.60mm	0.55mm
Shell Stake Length 1	1.00mm	1.20mm	-	0.70mm	1.60mm	1.20mm	0.75mm	0.80mm
Shell Stake Length 2	1.90mm	-	-	1.70mm	2.30mm	-	-	-
Shell Stake Length 3	-	-	-	2.30mm	-	-	-	-
Contact Plating	Gold Flash	Gold Flash	Gold Flash	Gold Flash	Gold Flash	3µ" gold	Gold Flash	Gold Flash
Current Rating	3A	3A	3A	3A	3A	3A	3A	3A
Voltage Rating	20V	20V	20V	20V	20V	20V	20V	20V
Power Rating	60W	60W	60W	60W	60W	60W	60W	60W
Mating Cycles	20,000	10,000	20,000	20,000	20,000	10,000	10,000	10,000
IP Rating	-	-	-	-	-	-	-	IP67



16-Pin Power and data USB Type-C® 2.0 Series

The GCT 16-Pin range is ideal for applications requiring USB2.0 specification but desiring the USB Type-C format at a cost-effective price. This series truly makes Type C a real option over other popular USB types such as micro and full size A.

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USB Version	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Gender	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
PCB Orientation	Horizontal	Horizontal	Horizontal	Vertical	Vertical	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
PCB Mount Type	Top	Top	Top	Top	Top	Mid	Mid	Mid	Mid	Top
Shell Stake Type	Thru-hole	Thru-hole	SMT	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole
Profile Height	3.46mm	3.31mm	3.26mm	6.50mm	7.46mm	3.16mm	3.16mm	3.16mm	3.16mm	5.38mm
Body Length	9.17mm	7.35mm	7.35mm	-	-	6.50mm	6.50mm	6.50mm	6.50mm	8.00mm
PCB Pin Type	Thru-hole	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT
Mid-Mount offset	-	-	-	-	-	0.80mm	1.00mm	1.60mm	2.10mm	-
Shell Stake Length 1	2.10mm	0.60mm	-	0.95mm	0.70mm	0.70mm	0.80mm	0.70mm	0.85mm	1.30mm
Shell Stake Length 2	-	0.95mm	-	-	1.70mm	-	-	-	-	-
Shell Stake Length 3	-	1.20mm	-	-	2.30mm	-	-	-	-	-
Contact Plating	Gold Flash	Gold Flash	Gold Flash	3μ" gold	3μ" gold	3μ" gold	3μ" gold	3μ" gold	3μ" gold	3μ" gold
Current Rating	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A
Voltage Rating	48V	48V	48V	48V	48V	48V	48V	48V	48V	48V
Power Rating	240W	240W	240W	240W	240W	240W	240W	240W	240W	240W
Mating Cycles	20,000	20,000	10,000	10,000	20,000	10,000	10,000	10,000	10,000	10,000



24-Pin Power and data +
USB Type-C® 3.2 Gen 2 Series

The 24-Pin variants support a number of protocols, and it can be used to connect to HDMI, VGA, DisplayPort, Thunderbolt, and other types of connections from a single USB Type-C port with the use of adapters. Selected GCT products have a single piece drawn shell which reduces unwanted EMI leakage.

You can find out more about each connector by visiting our website at www.gct.co. Here you will have access to a broad range of resources for each product including drawings, product specifications, schematic symbols + PCB footprints and 3D models to download.

24pin



USB4055 **USB4056** **USB4065** **USB4070** **USB4080** **USB4081** **USB4115** **USB4151** **USB4155** **USB4160** **USB4200** **USB4525**

USB Version	3.2 Gen 2	3.2 Gen 2	3.2 Gen 2	3.2 Gen 2	3.2 Gen 2	3.2 Gen 2	3.2 Gen 2	3.2 Gen 2	3.2 Gen 2	3.2 Gen 2	3.2 Gen 2	3.2 Gen 2
Gender	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Plug	Plug	Receptacle	Receptacle	Receptacle
PCB Orientation	Horizontal	Horizontal	Horizontal	Vertical	Horizontal	Horizontal	Vertical	Vertical	Horizontal	Vertical	Flag	Horizontal
PCB Mount Type	Top	Top	Top	Top	Top	Top	Top	Top	Edge	Top	Top	Mid
Shell Stake Type	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole
Profile Height	3.46mm	3.31mm	3.46mm	10.50mm	3.16mm	3.26mm	9.25mm	11.10mm	2.90mm	7.46mm	9.83mm	3.16mm
Body Length	10.00mm	9.87mm	8.65mm	-	7.90mm	7.05mm	-	-	15.50mm	5.90mm	14.30mm	7.90mm
PCB Pin Type	Hybrid	Hybrid	Hybrid	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT
Mid-Mount offset	-	-	-	-	-	-	-	-	1.30mm	-	-	0.80mm
Shell Stake Length 1	1.20mm	1.15mm	1.20mm	1.30mm	0.50mm	1.60mm	1.15mm	1.25mm	0.90mm	0.70mm	1.70mm	0.80mm
Shell Stake Length 2	-	1.40mm	-	-	-	-	-	-	-	1.70mm	-	-
Shell Stake Length 3	-	-	-	-	-	-	-	-	-	2.30mm	-	-
Contact Plating	30µ" gold	3µ" gold	30µ" gold	30µ" gold	3µ" gold	3µ" gold	3µ" gold	Gold Flash	3µ" gold	3µ" gold	3µ" gold	3µ" gold
Current Rating	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A
Voltage Rating	20V	48V	20V	48V	48V	48V	48V	48V	48V	48V	48V	48V
Power Rating	100W	240W	100W	240W	240W	240W	240W	240W	240W	240W	240W	240W
Mating Cycles	10,000	10,000	10,000	10,000	10,000	20,000	10,000	10,000	10,000	20,000	20,000	10,000

