

## 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](http://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**

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

You can find out more about each connector by visiting our website at [www.gct.co](http://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.



	<u>USB4085</u>	<u>USB4105</u>	<u>USB4110</u>	<u>USB4120</u>	<u>USB4145</u>	<u>USB4500</u>	<u>USB4505</u>	<u>USB4510</u>	<u>USB4520</u>	<u>USB4800</u>
<b>USB Version</b>	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
<b>Gender</b>	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
<b>PCB Orientation</b>	Horizontal	Horizontal	Horizontal	Vertical	Vertical	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
<b>PCB Mount Type</b>	Top	Top	Top	Top	Top	Mid	Mid	Mid	Mid	Top
<b>Shell Stake Type</b>	Thru-hole	Thru-hole	SMT	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole
<b>Profile Height</b>	3.46mm	3.31mm	3.26mm	6.50mm	7.46mm	3.16mm	3.16mm	3.16mm	3.16mm	5.38mm
<b>Body Length</b>	9.17mm	7.35mm	7.35mm	-	-	6.50mm	6.50mm	6.50mm	6.50mm	8.00mm
<b>PCB Pin Type</b>	Thru-hole	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT
<b>Mid-Mount offset</b>	-	-	-	-	-	0.80mm	1.00mm	1.60mm	2.10mm	-
<b>Shell Stake Length 1</b>	2.10mm	0.60mm	-	0.95mm	0.70mm	0.70mm	0.80mm	0.70mm	0.85mm	1.30mm
<b>Shell Stake Length 2</b>	-	0.95mm	-	-	1.70mm	-	-	-	-	-
<b>Shell Stake Length 3</b>	-	1.20mm	-	-	2.30mm	-	-	-	-	-
<b>Contact Plating</b>	Gold Flash	Gold Flash	Gold Flash	3µ" gold	3µ" gold	3µ" gold	3µ" gold	3µ" gold	3µ" gold	3µ" gold
<b>Current Rating</b>	3A	5A	5A	5A	5A	5A	5A	5A	5A	5A
<b>Voltage Rating</b>	20V	48V	48V	20V	48V	20V	20V	20V	48V	20V
<b>Power Rating</b>	60W	240W	240W	100W	240W	100W	100W	100W	240W	100W
<b>Mating Cycles</b>	10,000	20,000	10,000	10,000	20,000	10,000	10,000	10,000	10,000	10,000

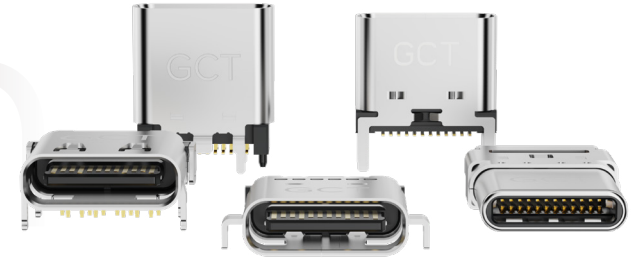


# 24-Pin Power and data + USB Type-C® 3.2 Gen 2 Series

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.

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# 24pin



	<u>USB4055</u>	<u>USB4056</u>	<u>USB4065</u>	<u>USB4070</u>	<u>USB4080</u>	<u>USB4081</u>	<u>USB4115</u>	<u>USB4151</u>	<u>USB4155</u>	<u>USB4160</u>	<u>USB4200</u>	<u>USB4525</u>
<b>USB Version</b>	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
<b>Gender</b>	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Plug	Plug	Receptacle	Receptacle	Receptacle
<b>PCB Orientation</b>	Horizontal	Horizontal	Horizontal	Vertical	Horizontal	Horizontal	Vertical	Vertical	Horizontal	Vertical	Flag	Horizontal
<b>PCB Mount Type</b>	Top	Top	Top	Top	Top	Top	Top	Top	Edge	Top	Top	Mid
<b>Shell Stake Type</b>	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole
<b>Profile Height</b>	3.46mm	3.31mm	3.46mm	10.50mm	3.16mm	3.26mm	9.25mm	11.10mm	2.90mm	7.46mm	9.83mm	3.16mm
<b>Body Length</b>	10.00mm	9.87mm	8.65mm	-	7.90mm	7.05mm	-	-	15.50mm	5.90mm	14.30mm	7.90mm
<b>PCB Pin Type</b>	Hybrid	Hybrid	Hybrid	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT
<b>Mid-Mount offset</b>	-	-	-	-	-	-	-	-	1.30mm	-	-	0.80mm
<b>Shell Stake Length 1</b>	1.20mm	1.15mm	1.20mm	1.30mm	0.50mm	1.60mm	1.15mm	1.25mm	0.90mm	0.70mm	1.70mm	0.80mm
<b>Shell Stake Length 2</b>	-	1.40mm	-	-	-	-	-	-	-	1.70mm	-	-
<b>Shell Stake Length 3</b>	-	-	-	-	-	-	-	-	-	2.30mm	-	-
<b>Contact Plating</b>	30µ" gold	3µ" gold	30µ" gold	30µ" gold	3µ" gold	3µ" gold	3µ" gold	Gold Flash	3µ" gold	3µ" gold	3µ" gold	3µ" gold
<b>Current Rating</b>	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A
<b>Voltage Rating</b>	20V	20V	20V	20V	20V	48V	20V	20V	20V	48V	48V	20V
<b>Power Rating</b>	100W	100W	100W	100W	100W	240W	100W	100W	100W	240W	240W	100W
<b>Mating Cycles</b>	10,000	10,000	10,000	10,000	10,000	20,000	10,000	10,000	10,000	20,000	20,000	10,000

