

# USB Type-C® Power Only Series

Our Type-C connections are the next-generation solution for current and future USB applications. With industry standard design they're small enough for portable devices and small household appliances while also being durable enough for industrial applications. All GCT's Type C products have a reversible interface that can receive a mating half from any direction, making mating simple and reliable.

The GCT 6pin range is ideal 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 datasheet, product specifications and 3D models to download.



**USB4125**



**USB4130**



**USB4135**



**USB4140**



**USB4515**

USB Version	Power Only	Power Only	Power Only	Power Only	Power Only	Power Only	Power Only	Power Only	Power Only
Gender	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle
Number of contacts	6	6	6	6	6	6	6	6	6
PCB Orientation	Horizontal	Horizontal	Vertical	Horizontal	Vertical	Vertical	Vertical	Vertical	Horizontal
PCB Pin Type	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT	SMT
Shell Stake Type	Thru-hole	Thru-hole	Thru-hole	SMT	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole
Profile Height	3.16mm	3.16mm	6.50mm	3.16mm	6.50mm	6.50mm	6.50mm	6.50mm	3.16mm
Body Length	6.80mm	6.80mm	6.50mm	6.90mm	6.50mm	6.50mm	6.50mm	6.50mm	6.80mm
PCB Mount Position	Top	Top	Top	Top	Top	Top	Top	Top	Mid
Mid Mount offset	-	-	-	-	-	-	-	-	1.60mm
Shell Stake Length	<b>1.00mm</b>	<b>1.90mm</b>	1.20mm	-	<b>0.70mm</b>	<b>1.70mm</b>	<b>2.30mm</b>	0.75mm	
Contact Plating	Gold Flash	Gold Flash	Gold Flash	Gold Flash	Gold Flash	Gold Flash	Gold Flash	Gold Flash	Gold Flash
Current Rating	3A	3A	3A	3A	3A	3A	3A	3A	3A
Mating Cycles	20000	20000	10000	20000	10000	10000	10000	10000	10000

# Power and data USB Type-C® 2.0 Series

Our Type-C connections are the next-generation solution for current and future USB applications. With industry standard design they're small enough for portable devices and small household appliances while also being durable enough for industrial applications. All GCT's Type C products have a reversible interface that can receive a mating half from any direction, making mating simple and reliable.

The GCT 16 pin range is ideal for application 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 datasheet, product specifications and 3D models to download.



**USB4085**



**USB4105**



**USB4110**



**USB4120**



**USB4500**



**USB4505**



**USB4510**



**USB4520**

	USB4085	USB4105	USB4110	USB4120	USB4500	USB4505	USB4510	USB4520
<b>USB Version</b>	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
<b>Number of contacts</b>	16	16	16	16	16	16	16	16
<b>PCB Orientation</b>	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Vertical	Horizontal	Horizontal
<b>PCB Pin Type</b>	Thru-hole	SMT	SMT	SMT	SMT	SMT	SMT	SMT
<b>Shell Stake Type</b>	Thru-hole	Thru-hole	Thru-hole	Thru-hole	SMT	Thru-hole	Thru-hole	Thru-hole
<b>Profile Height</b>	3.46mm	3.31mm	3.31mm	3.31mm	3.26mm	6.50mm	3.16mm	3.16mm
<b>Body Length</b>	9.17mm	7.53mm	7.53mm	7.53mm	7.53mm	6.50mm	6.50mm	6.50mm
<b>PCB Mount Position</b>	Top	Top	Top	Top	Top	Top	Mid	Mid
<b>Mid Mount offset</b>	-	-	-	-	-	-	0.80mm	1.00mm
<b>Shell Stake Length</b>	2.10mm	<b>0.60mm</b>	<b>0.95mm</b>	<b>1.20mm</b>	-	0.95mm	0.70mm	0.80mm
<b>Contact Plating</b>	Gold Flash	Gold Flash	Gold Flash	Gold Flash	Gold Flash	3μ" gold	3μ" gold	3μ" gold
<b>Current Rating</b>	5A	5A	5A	5A	5A	5A	5A	5A
<b>Mating Cycles</b>	10000	10000	10000	10000	10000	10000	10000	10000

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

Our Type-C connections are the next-generation solution for current and future USB applications. With industry standard design they're small enough for portable devices and small household appliances while also being durable enough for industrial applications. All GCT's Type C products have a reversible interface that can receive a mating half from any direction, making mating simple and reliable.

The 24 pin variants support a number of protocols, and it can be used to connect to HDMI, VGA, DisplayPort, 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](http://www.gct.co). Here you will have access to a broad range of resources for each product including datasheet, product specifications and 3D models to download.



	USB4050	USB4055	USB4056		USB4060	USB4065	USB4070	USB4080	USB4115	USB4151	USB4155
<b>USB Version</b>	3.2 GEN2	3.2 GEN2	3.2 GEN2	3.2 GEN2	3.2 GEN2	3.2 GEN2	3.2 GEN2	3.2 GEN2	3.2 GEN2	3.2 GEN2	3.2 GEN2
<b>Gender</b>	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Receptacle	Plug	Plug
<b>Number of contacts</b>	24	24	24	24	24	24	24	24	24	24	24
<b>PCB Orientation</b>	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Vertical	Horizontal	Vertical	Vertical	Horizontal
<b>PCB Pin Type</b>	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	SMT	SMT	SMT	SMT	SMT
<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
<b>Profile Height</b>	3.42mm	3.46mm	3.31mm	3.31mm	3.42mm	3.46mm	10.50mm	3.16mm	9.25mm	11.10mm	2.90mm
<b>Body Length</b>	10.0mm	10.0mm	9.87mm	9.87mm	8.65mm	8.65mm	10.50mm	7.90mm	9.25mm	11.10mm	15.50mm
<b>PCB Mount Position</b>	Mid	Top	Top	Top	Mid	Top	Top	Top	Top	Top	Edge
<b>Mid Mount offset</b>	1.37mm	-	-	-	1.37mm	-	-	-	-	-	-
<b>Shell Stake Length</b>	0.60mm	1.20mm	<b>1.15mm</b>	<b>1.40mm</b>	0.60mm	1.20mm	1.30mm	0.50mm	1.15mm	1.25mm	0.90mm
<b>Contact Plating</b>	30µ" gold	30µ" gold	3µ" gold	3µ" gold	30µ" gold	3µ" gold	30µ" gold	3µ" gold	3µ" gold	Gold Flash	3µ" gold
<b>Current Rating</b>	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A
<b>Mating Cycles</b>	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000