

USB Type-C 3.2 Gen 2 Series



FEATURES / SERIES	USB4050	USB4055	USB4056	USB4056*	USB4060	USB4065	USB4070	USB4080	USB4115	USB4151	USB4155
USB Version	3.2 GEN2										
Gender	Receptacle	Plug									
No. Of Contacts	24	24	24	24	24	24	24	24	24	24	24
PCB Orientation	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Vertical	Horizontal	Vertical	Vertical	Horizontal
PCB Pin Type	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	SMT	SMT	SMT	SMT	SMT
Shell Stake Type	Thru-hole										
Profile Height	3.42mm	3.46mm	3.31mm	3.31mm	3.42mm	3.46mm	10.50mm	3.16mm	9.25mm	11.10mm	2.90mm
Body Length	10.00mm	10.00mm	9.87mm	9.87mm	9.87mm	8.65mm	10.50mm	7.90mm	9.25mm	11.10mm	15.50mm
PCB Mount Position	Mid	Top	Top	Top	Mid	Top	Top	Top	Top	Top	Edge
Mid Mount offset	1.37mm	-	-	-	1.37mm	-	-	-	-	-	-
Shell Stake Length	0.60mm	1.20mm	1.15mm	1.40mm	0.60mm	1.20mm	1.30mm	0.50mm	1.15mm	1.25mm	0.90mm
Contact Plating	30μ" gold	30μ" gold	3μ" gold	3μ" gold	30μ" gold	30μ" gold	30μ" gold	3μ" gold	3μ" gold	Gold Flash	3μ" gold
Current Rating	5A										
Mating Cycles	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000

Fully Featured 24 Pin USB Type C

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. Here you will have access to a broad range of resources for each product including datasheet, product specifications and 3D models to download.

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Drones

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TV & Set Top Box

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USB Type-C 2.0 Series



FEATURES / SERIES	USB4085	USB4105	USB4105*	USB4105**	USB4110	USB4120	USB4500	USB4505	USB4510	USB4520
USB Version	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Gender	Receptacle									
No. Of Contacts	16	16	16	16	16	16	16	16	16	16
PCB Orientation	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Vertical	Horizontal	Horizontal	Horizontal	Horizontal
PCB Pin Type	Thru-hole	SMT								
Shell Stake Type	Thru-hole	Thru-hole	Thru-hole	Thru-hole	SMT	Thru-hole	Thru-hole	Thru-hole	Thru-hole	Thru-hole
Profile Height	3.46mm	3.31mm	3.31mm	3.31mm	3.26mm	6.50mm	3.16mm	3.16mm	3.16mm	3.16mm
Body Length	9.17mm	7.53mm	7.53mm	7.53mm	7.35mm	6.50mm	6.50mm	6.50mm	6.50mm	6.50mm
PCB Mount Position	Top	Top	Top	Top	Top	Top	Mid	Mid	Mid	Mid
Mid Mount offset	-	-	-	-	-	-	0.80mm	1.00mm	1.60mm	2.10mm
Shell Stake Length	2.10mm	0.95mm	0.60mm	1.20mm	-	0.95mm	0.70mm	0.80mm	0.70mm	0.85mm
Contact Plating	Gold Flash	3μ" gold								
Current Rating	3A	5A								
Mating Cycles	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000

Cost effective Type C for USB2.0 applications

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. Here you will have access to a broad range of resources for each product including datasheet, product specifications and 3D models to download.

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Gaming Peripherals

Electronic Signage

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Breathalyzers

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USB Type-C Power only Series



FEATURES / SERIES	USB4125	USB4125*	USB4130	USB4135	USB4140	USB4140*	USB4140**	USB4515
USB Version	Charging Only							
Gender	Receptacle							
No. Of Contacts	6	6	6	6	6	6	6	6
PCB Orientation	Horizontal	Horizontal	Vertical	Horizontal	Vertical	Vertical	Vertical	Horizontal
PCB Pin Type	SMT							
Shell Stake Type	Thru-hole	Thru-hole	Thru-hole	SMT	Thru-hole	Thru-hole	Thru-hole	Thru-hole
Profile Height	3.16mm	3.16mm	6.50mm	3.16mm	6.50mm	6.50mm	6.50mm	3.16mm
Body Length	6.80mm	6.80mm	6.50mm	6.90mm	6.50mm	6.50mm	6.50mm	6.80mm
PCB Mount Position	Top	Mid						
Mid Mount offset	-	-	-	-	-	-	-	1.60mm
Shell Stake Length	1.00mm	1.90mm	1.20mm	-	0.70mm	1.70mm	2.30mm	0.75mm
Contact Plating	Gold Flash	3μ" gold						
Current Rating	3A	5A						
Mating Cycles	20000	20000	10000	20000	10000	10000	10000	10000

Micro alternative for Power only applications

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. Here you will have access to a broad range of resources for each product including datasheet, product specifications and 3D models to download.

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