

USB4085

Product Release



GCT

USB Type-C Charging

www.gct.co

Profile Above PCB

3.46mm

Operating Temp.

-40 to +85°C

Shell Stakes

4

Contact Type

Through-Hole

Mating Cycles

10000

Shell

Stainless Steel

- Complies to USB standard 2.0
- Super fast charging
- Cost saving thanks to fewer contacts

USB4085 - a USB Type-C connector with 16 contacts instead of the standard 24, is capable of super fast charging whilst still retaining USB 2.0 specification for power management.

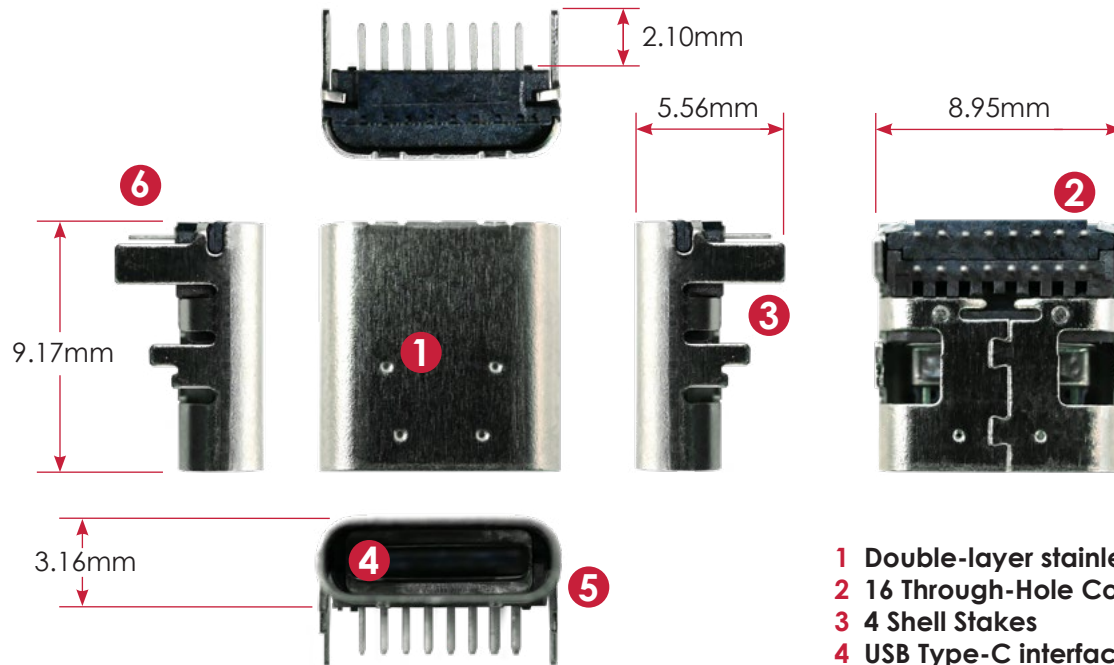
- V_{BUS} 3A (A4, A9, B9, B4)
- V Conn 1.25A (B5, A8)
- Ground 4.25A (A1, A12, B1, B12)
- others 0.25A

View Part Online

Pin Out Table					
Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	V _{Bus}	First	B9	V _{Bus}	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp1	Second
A8	SBU1	Second	B5	CC2	Second
A9	V _{Bus}	First	B4	V _{Bus}	First
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND



Plan View



- 1 Double-layer stainless steel shell
- 2 16 Through-Hole Contacts
- 3 4 Shell Stakes
- 4 USB Type-C interface
- 5 10,000 mating cycles
- 6 Less than 10mm overall length

[View Full Drawing Online](#)

USB Type-C Range



USB4050 / 4060

- 24 Pin USB 3.1 Type-C Horizontal Receptacle
- Long (4050) & Short (4060) body options
- 3.42mm profile, Mid mount, Hybrid PCB mount
- Outer shell stakes & Locating peg



USB4055 / 4065

- 24 Pin USB 3.1 Type-C Horizontal Receptacle
- Long (4055) & Short (4065) body options
- 3.46mm profile, Top mount, Hybrid PCB mount
- Outer shell stakes & Locating peg



USB4070

- 24 Pin USB 3.1 Type-C Vertical Receptacle
- 10.50mm profile, Top mount, Surface mount
- Outer shell stakes & Locating peg

[View Connectors Online](#)

Website



Technical Documentation

Detailed Product Drawings | Specification & Testing Documents



3D Model & PCB Footprint Downloads In partnership with SnapEDA.com

STP, IGS & Parasolid file types | Online 3D Part Viewer | Altium & other PCB Footprint files



Quick Quoting & Express Sampling

Online Part Number Builder | Live Chat with our Experts | 72 hour Sampling on Select Ranges



Custom Connector & Cable Assembly Capabilities

Bespoke Designs from Idea to Reality | Overmolded, IDC & Crimp Cable Assembly Options



Local Support with a Global Footprint

GCT Locations in Europe, the Americas, and Asia | Worldwide Distribution Partners

 **London UK**
+44 01707 321122
sales@gct-europe.com

 **Boston MA, USA**
+1 978 208 1618
sales@gct-americas.com

 **Hong Kong HK**
+852 2578 9030
sales@gct-apac.com

 **Düsseldorf DE**
+49 2166 555 1345
salesde@gct-europe.com

 **San Jose CA, USA**
+1 650 448 9660
sales@gct-americas.com

 **Singapore SG**
+65 8322 2263
sales@gct-apac.com

www.gct.co