16-pin USB Type-C charging performance at micro prices. The future-proof Type-C interface with reversible mating complies to the USB 2.0 specification.

gct.co/connector/usb4085

This nano SIM card connector features a split contact with card detect switch, keeping SIM8055’s PCB footprint as small as possible.

gct.co/connector/sim8055
As a leading manufacturer of electronic connectors for three decades, GCT (Global Connector Technology) is committed to provide superior components helping customers overcome their engineering challenges. With 30 years of experience in the industry, GCT has always put customers first, providing a personalised and tailored relationship to achieve success.

Customers have always been at the forefront of our approach. Whether you’re working on designs for the latest innovations or sourcing solutions for ongoing projects, we have the products to make it happen. When you need something more bespoke, GCT has the capability and flexibility to adapt to meet your requirements.

From applications in Mobile & Wireless Communication, Computer & peripherals to Industrial & Automation, GCT has provided reliable, high quality connectors and cable assemblies to a variety of customers in these markets and many more. By leveraging extensive worldwide resources, we are able to meet our customers’ needs at local, regional and global levels. Our business continues to accelerate as a result within existing and new markets and industries.

Approved by:
- RoHS Compliant
- UL Compliant
- ISO 9001:2015
High quality and competitively priced PCB connectors for any situation. A large element of customisation is possible with pitches ranging from 0.8mm to 5.08mm, selectable pin lengths, and insulator heights. Other features include locating peg options, shrouding, polarisation, keyed or elevated headers and sockets, with completely bespoke solutions possible (see page 6).

### Key Specifications
- Over 160 series across the range
- 8 Pitch options from 0.80mm to 5.08mm (.031” to .200”)
- Customisable pin lengths and insulator heights
- Elevated, shrouded, and polarised types
- Insulator material & colour and plating material options
- Perfect for parallel, horizontal or right angle PCB mating

### Applications
- Automotive
- IT, Data & Telecoms
- Electronic Systems
- Personal Computing
- Consumer Electronics
- EPOS Systems

### 0.8x1.2mm Headers
- BB080
- BC020
- BD020
- BF036
- BG030
- 3.96mm - BH010

### Range Highlights
- See the full range online at gct.co/b2b

### Sockets
- BFB060
- BC065
- BD075
- BF120
- BG140
- 3.96mm - BH015

### 3.96/5.08mm Sockets
- BC085
- BD064
- BF112
- BG230
- 5.08mm - BK015
Suitable for use in solid state lighting (SSL) applications. The range includes board to board and wire trap connectors. The insulators are supplied in natural LCP to match the majority of LED strip lighting PCB’s on the market.

Key Specifications

- 11 series available - wire trap and board to board
- 3 Pitch options - 2.40, 2.54, 4.00mm (.094", .100", .157")
- Natural coloured LCP insulator finish
- Profiles from 2.50 to 5.10mm (.095" to .135")
- BG series available in 2, 3, 4, 5 and 6 pin configurations
- BJ series perfect for horizontal PCB mating & strip lighting

Applications

Building & Infrastructure
Agricultural Technology
Transportation
Automotive
Retail
Construction

Full Range

2.54mm Headers
BG301
BG303
BG304
BG305

2.54mm Sockets
BG300
BG302
BG306

Wire Trap 2.40mm
BL300-01
BL300-02
BL300-03

4.00mm Shrouded Socket
BJ300

4.00mm Shrouded Header
BJ301

BL300-01
BL300-02
BL300-03

gct.co/lit
A comprehensive selection of USB connectors are available with various combinations of form factors, interface and version types, vertical and horizontal configurations, as well as a unique new USB 2.0 Type-C charging option.

Chances are GCT have the right USB connector for you.
SIM Card

SIM card connectors for Nano (4ff), Micro (3ff) and Mini (2ff) SIM cards conform to GSM11.11 standards. One of the first-to-market with the nano SIM connector, GCT is always at the forefront of innovation in this category.

Key Specifications
- 15 parts across the range
- 3 form factors - Mini, Micro & Nano
- 3 card insertion styles - Push-Pull, Push-Push & Hinged
- 6 or 8 contact variants depending on application
- Card detection switch and locating peg options

Applications
- Data & Telecoms
- Consumer Electronics
- Asset Tracking
- Smart Metering
- IoT Applications
- EPoS Systems

Full Range

Nano
- SIM8050
- SIM8051
- New - SIM8055

Micro
- SIM7050-6
- SIM7050-8
- SIM7100
- SIM7200

Mini
- SIM5051
- SIM5055
- SIM5060-6
- SIM5060-8

Hinged
- SIM2055
- SIM2070-6-1
- SIM2070-6-0
- SIM4065
- SIM6050

gct.co/sim
GCT specialise in custom connectors allowing you to meet specific application design requirements and budgets. Whether it’s a modification of an existing part or a brand new design, we will assist you along every step of the way.

Below are some examples of our custom solutions. Be sure to find out more about these projects at www.gct.co/custom-connector

Custom modular jack from concept to production in just 8 weeks

Custom mating PCB and over-molded cable connector solution for door entry system

Custom cable assemblies to meet impending taxi legislation

Need a custom solution for your project? Get in touch now. gct.co/contact-us
Custom Cable Assemblies

GCT has you covered when it comes to custom cable assemblies too, including overmold, IDC (Insulation Displacement Cable), discrete wire/crimp harnesses and cable looms. GCT provides guaranteed quality, great value and superior service.

**IDC**

GCT produces great value custom IDC assemblies, from simple point to point insulation displacement connector cables to daisy chain and breakout cables. GCT offer both industry-standard branded connectors, and high-quality, low-cost alternatives.

**Overmold**

Overmolded cables are often used to solve application issues and GCT has helped many customers overcome design problems by offering innovative solutions. Key advantages of GCT's overmolded product range are the low MOQs and low tooling cost threshold. Target delivery for custom design first off samples is six weeks.

**Crimped**

Crimped assemblies are used in both signal and power applications, often as part of a wire to board system design. This type of design allow cables to connect to a printed circuit board by use of a female connector terminated to cable.

[gct.co/cable-assembly]
GCT’s FFC/FPC range of products offer a one-piece component solution with no need for male and female connectors and labour intensive cable assemblies, providing lower cost and easier procurement.

### Key Specifications
- **6 connector styles** across the range
- **2 pitch options** - 0.50mm & 1.00mm (0.019” & 0.039”)
- **3 entry types** available with slide or flip locking options
- **Zero insertion force** locking actuator holds cable in place
- **Limitless** connector & cable configurations possible
- **Cable shielding** and folding options available

### Applications
- Consumer Electronics
- Wireless Base Stations
- Photocopiers
- Scanners
- Printers

### Full Range

#### 0.5mm Pitch
- FFC2A30
- FFC2B05
- FFC2B10
- FFC2B25

#### 1.0mm Pitch
- FFC3B05
- FFC3B10

#### Flat Flex Cable
- Type A - Contacts same side
- Type D - Contacts opposite side

#### Cable Capabilities
- 6-50 contacts (0.5mm)
- 4-50 contacts (1.0mm)
- Shielding
- Folding

See product details online at gct.co/ffc
Modular Jacks

Single port Modular Jack connectors offer vertical and horizontal mounting in both SMT and through hole technologies.

Key Specifications
- 18 Parts across the range - for Category 3 cable
- Horizontal and vertical orientations
- 4/4, 6/2, 6/4, 6/6, 8/8 contact configurations
- Panel stop and locating peg options available
- SMT versions available in standard and low profile
- Tab up or down orientations

Applications
- Electronic Point of Sale
- Telephony Equipment
- IT & Networking
- Data & Telecoms
- Instrumentation

Full Range

Through-Hole Vertical

SMT Vertical

Through-Hole Horizontal
MJ3205-66 MJ3215-64 MJ3215-66 MJ3215-88

SMT Horizontal

gct.co/mj
GCT’s range of Micro SD Memory Card connectors encompass push-push and hinged varieties and come in a range of height profiles.

**Key Specifications**
- **4 parts** across the range
- **2 card insertion styles** - Push-Push & Hinged
- **Profiles** from **1.40mm** to **1.95mm** (**.055”** to **.077”**) 
- **Card detection switch** options
- **Locating peg** options

**Applications**
- Consumer Electronics
- Digital Cameras
- Phones & Tablets

**Full Range**

<table>
<thead>
<tr>
<th>MicroSD</th>
<th>MEM2051</th>
<th>MEM2061</th>
<th>MEM2067</th>
<th>New - MEM2075</th>
</tr>
</thead>
</table>

**New Product - MEM2075**

1.40mm profile - just 0.4mm thicker than the card itself

- **Card detection switch** - normally open
- **Push-Push** card insertion/ejection
- **-25 to +85 C** operating temp. range
- **Stainless steel** shell and latch
- **5000 mating cycles** durability
- **Locating peg** for SMT stability

[gct.co/connector/mem2075](http://gct.co/connector/mem2075)
DC Power Jacks

The GCT range of DC Power Jacks come in a variety of different sizes to meet your requirements. Available in popular 0.65, 2.00, 2.35 and 2.50mm pin diameters.

Key Specifications
- 9 parts across the range
- Horizontal and vertical orientations
- Jack pin diameters from 0.65 to 2.50mm (0.026” to 0.098”)
- 9 Insulator colour options
- Shielded & unshielded versions
- 4 current ratings, including 7 and 8 amps for high current

Applications
- Consumer Electronics
- Charging Devices
- IT Peripherals

Full Range
- DCJ065-05
- DCJ065-15
- DCJ200-05
- DCJ200-10
- DCJ235-05
- DCJ250-05
- DCJ250-10
- DCJ250-15
- DCJ250-20

[Link: gct.co/dcj]
Resources & Support

From part drawings and 3D CAD files to quick quotations and live chat with our sales & engineering experts, the GCT website hosts a wealth of information and resources.

Head to gct.co on PC, tablet or smartphone for a smooth and secure browsing experience.

www.gct.co

Technical Documentation
- Detailed PDF product & packaging drawings
- Specification & testing documents
- Latest product updates & information

3D Model & PCB Footprint Layout Downloads
- STP, IGS & Parasolid 3D CAD file types & online 3D model viewer
- PCB footprint layout & schematic symbol files
- Export to Altium, Cadence, OrCAD, Eagle & others

Quick Quoting & Express Sampling
- Online part number builder
- Live chat with our Sales & Engineering experts
- 72 hour sampling on select ranges

Custom Connector & Cable Assembly Capabilities
- Bespoke connector designs from concept to creation
- Custom plating, insulator colours, voided pins, blanked cavities
- Overmolded, IDC, Crimp & custom cable assembly options

Local Support with a Global Footprint
- GCT sales locations in Europe, the Americas, and Asia
- Worldwide distribution partners
- Fully compliant with RoHS, REACH, & the Conflict Minerals program

In partnership with SnapEDA.com

From part drawings and 3D CAD files to quick quotations and live chat with our sales & engineering experts, the GCT website hosts a wealth of information and resources.

Head to gct.co on PC, tablet or smartphone for a smooth and secure browsing experience.

www.gct.co
Products can be sourced directly from GCT or through our extensive global distribution network.
Have you seen what we’re in?

2 Dual Stack USB A - USB103S on the Raspberry Pi 3 Model B+

USB Type-C - USB4055 on premium headphones

www.gct.co

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Custom card reader and Contact pad connectors on Miura Systems POS Terminal