



## About Grad Conn

Grad Conn Ltd. is a Taiwanese company manufacturing cost effective Board to Board Connectors, SIM Connectors and RF Coaxial Cable Assemblies.

We are committed to servicing you from design through to volume production worldwide. Trust Grad Conn to work in partnership with your design and manufacturing teams every step of your process, with design/application advice, free samples and help with pre-production requirements.

Our factories are located in China and Taiwan and certified to ISO9001:2000. All parts are fully RoHS compliant (including Deca BDE compliance).

Grad Conn's footprint in Europe and North America includes offices in each continent with the added support of a representative network in the USA and distribution network in Europe. Our aim is to offer a local contact in your time zone wherever you are in the world. We ship worldwide from Taiwan and offer door to door delivery in the USA.

Our website [www.gradconn.com](http://www.gradconn.com) includes details of all products with PDF drawings. Lead time and MOQ information can be found at: <http://www.gradconn.com/about/about.asp>

## Wireless Solutions

### RF Coaxial Cables

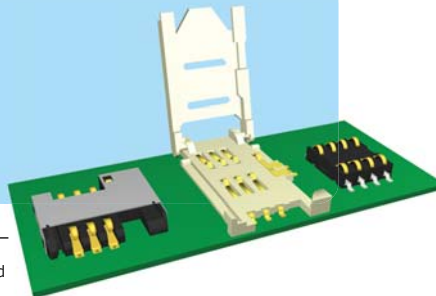
Focus on micro coaxial cables (0.8mm to RG178) for wireless markets, such as GSM, GPS, Wireless Lan and Bluetooth. Whatever your requirement, Grad Conn will offer the perfect solution for your application.

- Micro RF Connectors:
  - o I-Pex:
    - High quality Japanese connector.
    - I-PEX MHF: fully intermatable to Hirose U.FL.
    - I-PEX MHF III: fully intermatable to Hirose W.FL.
    - Instant cost saving vs. Hirose connectors.
    - Test reports to prove compatibility.
    - Two week lead time.
  - o Murata GSC.
  - o Hirose U.FL, W.FL and H.FL.
  - o MMCX.
- Standard Interface Connectors:
  - o SMA/SMA RP (Reverse Polarity) bulkhead jacks.
  - o FME plug.
  - o Other connectors available (EG: MCX, BNC, TNC, etc).
- Cable:
  - o Variety of cable diameters available.
  - o Standard lengths: 100, 150 and 200mm.
    - Other lengths available on request.
  - o Options: Stripped cable or centre conductor and twisted braid strip and tin.
- Quality:
  - o 100% quality tested for conductivity before leaving the factory.
  - o Frequency analysis reports (insertion loss, working frequency range) are available on request.

Whatever your RF requirement contact Grad Conn for a solution.

### SIM Card Connectors

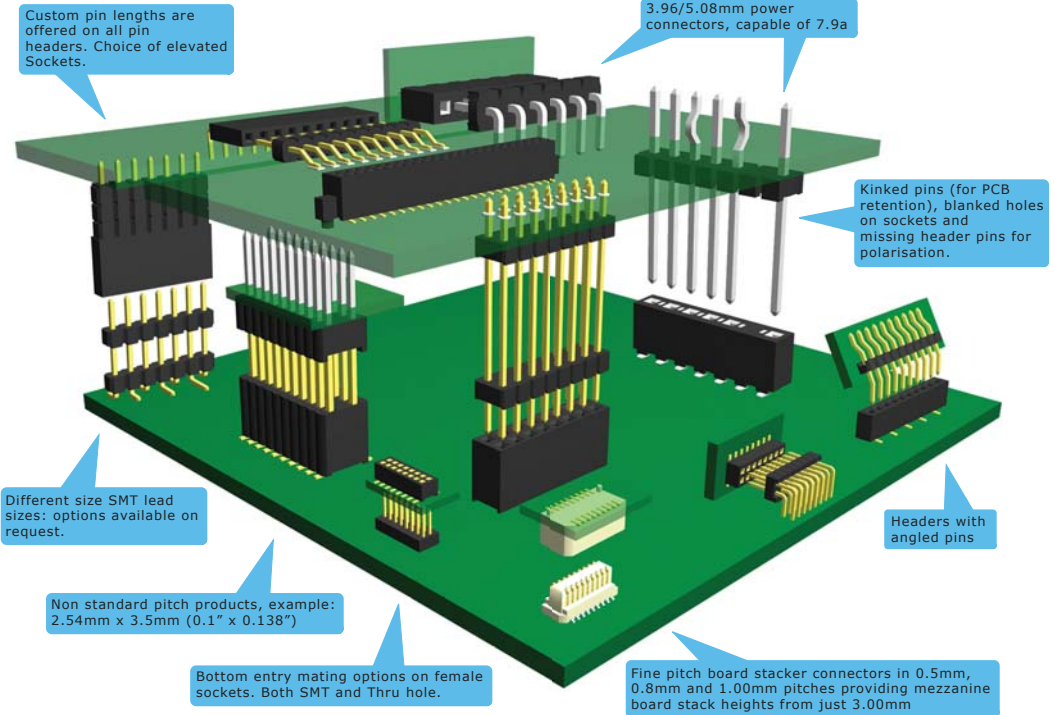
- SIM connectors in three different styles:
  - o Contact:
    - Card held in place by customers moulding.
  - o Receiver
    - Card slots into place and is held by friction.
  - o Flip/hinged:
    - Card inserted into hinged cover, locks in place when closed.
- 6 or 8 contacts:
  - o Card detection switch version with extra contacts. (6+2/ 8+2).
- Optional locating pegs on receiver and hinge versions.
- SMT, apart from CH03-CA (through hole contact type).
- Low profile, minimum heights of:
  - 0.85mm in contact style.
  - 1.9mm in receiver style.
  - 2.0mm in flip/hinged.
- Metal cover receiver types to protect SIM card from heat.
- Conforms to GSM standard (Global System for Mobile Communications) and accepts SIM cards to GSM 11.11 standard.



## Board to Board

- Pitch ranges:
 

0.50mm (.020")	1.27 x 2.54mm (.050"x.100")
0.80mm (.031")	2.54mm (.100")
1.00mm (.039")	3.96mm (.156")
1.27mm (.050")	5.08mm (.200")
2.00mm (.079")	
- Leaf Style (0.5mm and 0.8mm):
  - o 0.5mm: Mezzanine 3mm to 6mm stacking heights.
  - o 0.8mm: Mezzanine and right angle options, 4.5mm to 7.00mm stacking heights.
- Post and Box style: (1mm thru 5.08mm).
  - o Modular production system:
    - Male and female/Straight and right angle.
    - Single, dual, triple and quad row.
    - Surface mount and thru hole.
    - Choice of plating options.
    - Choice of insulator height options.
    - Elevated headers and sockets (Skyscraper).
    - Surface mount compatible thru hole parts.



- Commercial:
  - o Cost effective alternatives to branded products.
  - o Cross reference service including online Samtec Cross Reference.
- Design support:
  - o Design advice service to make your concept design a reality. Solutions for mezzanine, planar and right angle PCB connections.
- Special Products:
  - o Amendments to existing designs. See examples above.
  - o Capability to provide bespoke custom designed parts.
- High temperature insulators suitable for RoHS solder process.
- Tape and reel packaging with pick and place caps available.

## Contact Information

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