

Ganged RF Connector & Cable Assembly Solutions

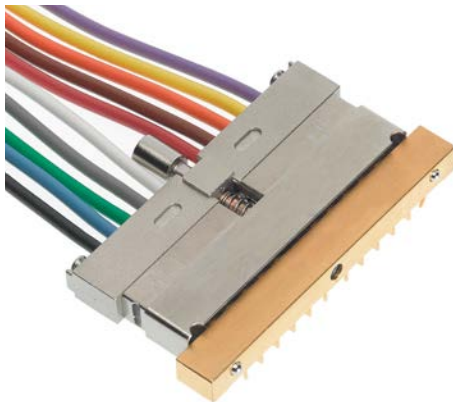
Custom RF Solutions

Cinch Connectivity Solutions has designed Ganged RF offerings to help solve customer challenges.

Ganged RF solutions can use SMA, SMP, SMPM, or MCX connector interfaces. They allow dense packaging of a larger set of connectors in a very tight space, offering easy manufacturing and serviceability, as well as a reliable, rugged solution. This product is offered in precision machined, metalized plastic, and die cast housing.

Product offering consists of integrating from 4 connectors to 28 connectors in a single row or double row configuration. The ganged connector side is typically PC mount style (thru-hole).

The cable assembly is the mating side to the ganged connector. It typically utilizes a center screw and guide pins, which helps to ensure a proper fastened connection.



Features

- Frequency range: DC to 65GHz
- 50 ohms, Brass or Stainless Steel
- Mating force spec, per connector interface
- Scalable up to 28 ports with 1-2 rows
- VSWR or Loss performance

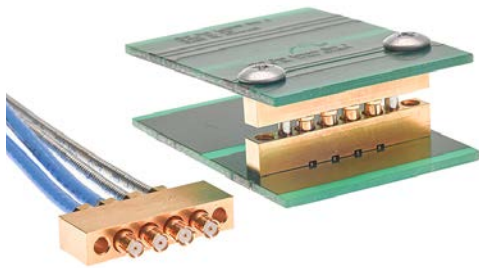
Application

- Networking router and switches
- Test and Measurement rack systems
- Military radio system

Ganged RF Board to Board

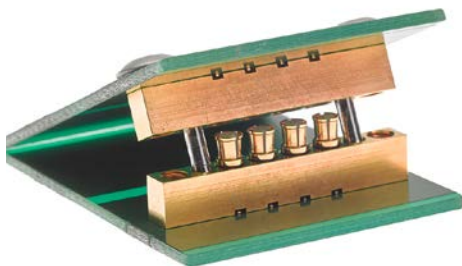
Custom RF Solutions

Cinch Connectivity Solutions' SMP Ganged and Board to Board RF Connector Solutions. Our SMP Product Family is launching a standard offering of a 4 port board to board solution, which can also be configured as a cable assembly to a ganged connector offering. The 4 port version can be optimized and customized to meet customers' needs, for number of ports, board spacing, connector separation spacing, and cable type/lengths, etc.



Configurations:

1. Vertical PC SMT Smooth Bore to a Vertical PC SMT Full Detent (0.484" spacing – fully mated)
2. Vertical PC SMT Smooth Bore to a Right Angle PC SMT Full Detent (0.259" spacing – fully mated)
3. Right Angle PC SMT Smooth Bore to a Right Angle PC SMT Full Detent (0.034" spacing – fully mated)
4. Right Angle PC SMT Smooth Bore to a Straight Cable Mount Full Detent (0.034" spacing – fully mated)



Features

- Frequency range: DC to 40 GHz
- 50 ohms, Brass or Stainless Steel
- Mating force spec 15 lbs engagement/ 5 lbs disengagement per SMP Full Detent specs, complies with MIL-STD-348A SMP specifications.
- Scalable and cost effective up to 8 ports with one or two rows

Application

- Networking router and switches
- Test and Measurement rack systems
- Military radio system