



MAGNUMRF®

GANGED, MULTI-PORT, SMPM CONNECTORS

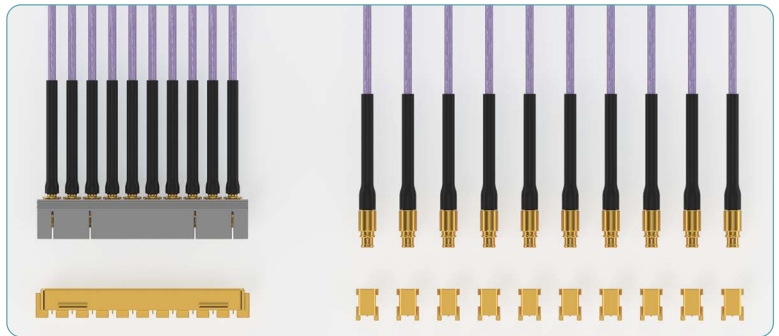
DC TO

65
GHz

Samtec's Magnum RF® Ganged, Multi-Port Interconnect System leverages the performance, density and blind mate advantages of the push-on SMPM connector. Magnum RF® is ideal for applications where space is limited and a high operating frequency is required, including 5G/6G Networking, Military/Defense, Radar and Test & Measurement.

GANGED, MULTI-PORT RF BLOCKS, CABLE ASSEMBLIES AND ADAPTORS

- Mode-free operation up to 65 GHz supports low- or mid-band system requirements
- Micro-miniature, high-density design
- Design also lends itself to smaller diameter materials and smaller bundle sizes for weight savings and increased airflow for cooling when integrated with cable assemblies
- Interconnects are available for meeting both cable-to-board and board-to-board mating requirements
- 3.56 mm (0.140") channel pitch



40% greater density, less processing time, and better positional alignment when more than one channel is required.

Cable Assembly GC47 Series:
.047" cable, 0.125" bend radius



Cable Assembly GC86 Series:
.086" cable, 0.350" bend radius



Blocks:
GPPC or GPPB Series



Bullet Adaptors:
PRFIA Series (standard or spring-loaded)

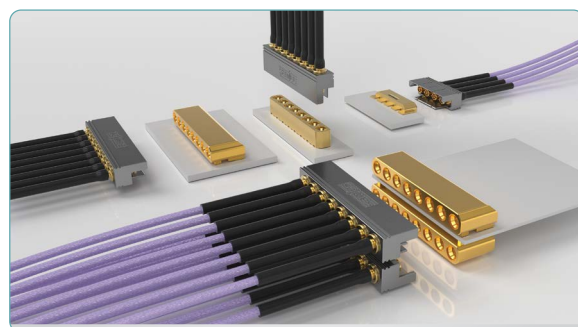


MAGNUMRF™
GANGED RF ASSEMBLIES

MAGNUM RF® APPLICATIONS

CABLE-TO-BOARD

Low Profile			Vertical Launch	
Mated Sets			Mated Sets	
Edge Mount	Block	GPPC-EM	Surface Mount	GPPC-SL or GPPC-CMM
	Cable Assembly	GC47 or GC86		
Right-Angle (Belly-to-Belly or Mid-Board)	Block	GPPC-RA-SM	Cable Assembly	GC47 or GC86
	Cable Assembly	GC47 or GC86		

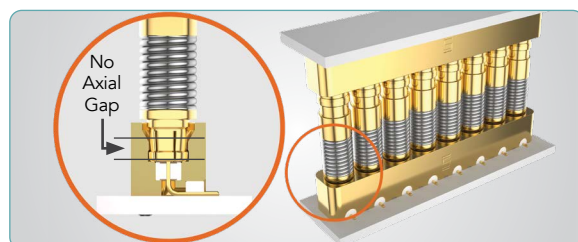


End 2 Options: ganged or discrete

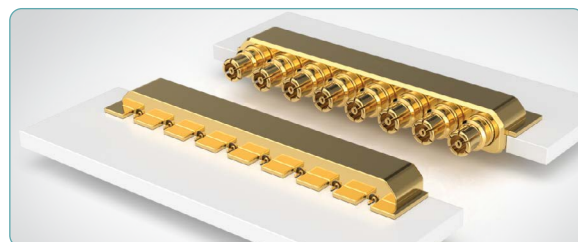
Discrete End 2 Options: 1.00 mm, 1.35 mm, 1.85 mm, 2.40 mm, 2.92 mm, SMPM, SMA

BOARD-TO-BOARD

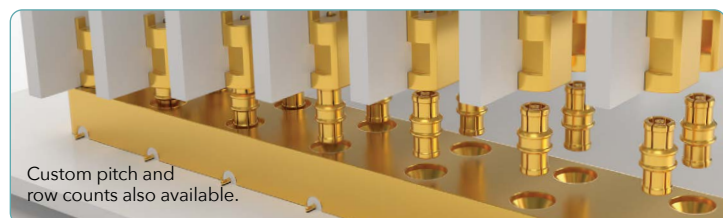
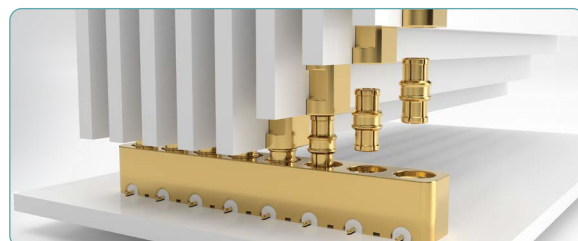
Mezzanine	
Mated Sets	
Surface Mount	GPPB-SM, GPPC-SL or GPPC-CMM
Bullet	PRFIA
Surface Mount	GPPB-SM, GPPC-SL or GPPC-CMM



Coplanar	
Mated Sets	
Edge Mount	GPPC-EM
Bullet	PRFIA
Edge Mount	GPPC-EM



Perpendicular	
Mated Sets	
Edge Mount	GPPC-EM or SMPM-EM
Bullet	PRFIA
Surface Mount	GPPB-SM, GPPC-SL or GPPC-CMM



- Bullet adaptors accommodate axial, radial misalignment in blind mate applications
- Spring-loaded adaptors provide higher axial misalignment tolerance for maintaining consistent signal contact
- Customized solutions include multiple rows, channel counts and channel pitches



Please visit [samtec.com/MagnumRF](https://www.samtec.com/MagnumRF) for additional information.