

## RFCONNECTORS



## PRECISION RF **STANDARD INTERFACE TYPES**

Туре	Standard	Mated Sets
<ul><li>110 GHz, 1.00 mm</li><li>Robust threaded coupling</li><li>PCB: compression mount</li></ul>	(1.0051).03957 (0.9949).03917 DIA	Cable: LL110, LL095, RF047-A  Cable Connector: PRF10  Board Connector: 100-EL
<ul> <li>90 GHz, 1.35 mm</li> <li>Robust threaded coupling</li> <li>PCB: compression mount</li> </ul>	(1.356) .0534 (1.341) .0528 DIA	Cable: RF047-A  Cable Connector: PRF13  Board Connector: 135 (-CM, -CMM)
<ul> <li>65 GHz, 1.85 mm</li> <li>Robust threaded coupling</li> <li>PCB: compression mount</li> <li>Intermateable with 2.40 mm</li> </ul>	(1.857).0731 (1.841).0725 DIA	Cables: LL071, RF047-A, RF086  Cable Connector: PRF18  Board Connectors: 185 (-CM, -CMM, -EL)
<ul> <li>65 GHz, SMPM</li> <li>Push-on coupling</li> <li>30% smaller than SMP</li> <li>Detents: full, smooth bore or catcher's mitt</li> <li>PCB: solder termination</li> </ul>	(2.134).084 (2.082).082 (3.556) .140 (2.235).088 (3.454) (2.184).086 DIA	Cables: LL110, LL095, RF047-A, RF086, RF23C  Cable Connector: PRFM0  Bullet Adaptor: PRFIA  Board Connectors: SMPM (-SM, -MT, -ST-TH, -RA-TH, -EM) (Ganged, Magnum RF* solutions also available)
<ul> <li>50 GHz, 2.40 mm</li> <li>Robust threaded coupling</li> <li>PCB: compression mount</li> <li>Intermateable with 1.85 mm</li> </ul>	(2.4079).0948 (2.3927).0942 DIA	Cables: LL043, RF047-A, RF086, RF23C, RF085  Cable Connector: PRF24  Board Connectors: 240 (-CM, -CMM, -EL)
<ul> <li>40 GHz, SMP</li> <li>Push-on coupling</li> <li>Compensates for misalignment</li> <li>Detent: full, limited, smooth bore, catcher's mitt</li> <li>PCB: solder termination</li> </ul>	(3.61) .142 DIA  (3.61) .142 DIA  (2.95) .015 .116 DIA DIA DIA	Cables: RF047-A, RF086, RF23C, RF25S, RF405  Cable Connectors: PRF00  Bullet Adaptor: SMP-B  Board Connectors: SMP (-SM, -TH, -MT, -EM)

<sup>\*</sup>Please note: images and drawings are representative and not to scale. For complete specifications, please visit samtec.com/RF.

Туре	Standard	Mated Sets
<ul> <li>40 GHz, 2.92 mm</li> <li>Robust threaded coupling</li> <li>PCB: compression mount</li> <li>Intermateable with 3.50 mm and SMA</li> </ul>	(2.9286) .1153 (2.9134) .1147 DIA	Cables: LL043, LL032, RF047-A, RF086, RF23C, RF085  Cable Connector: PRF92  Board Connectors: 292 (-CM, -CMM, -EL)
<ul> <li>34 GHz, 3.50 mm &amp; SSMA</li> <li>3.50 mm is intermateable with 2.92 mm and SMA</li> <li>SSMA features a reduced size for high-density</li> <li>SSMA available as cable connector only (PRFS1)</li> </ul>	(3.5077) .1381 (3.4925) .1375 DIA	Cable: RF23S (3.50 mm)  Cable Connectors: PRF35 (3.50 mm), PRFS1 (SSMA)
<ul> <li>18/26.5 GHz, SMA</li> <li>Robust threaded coupling</li> <li>PCB: solder termination</li> <li>Intermateable with 2.92 mm and 3.50 mm</li> </ul>	(4.0894) .161 DIA	Cables: LL071, LL043, LL018, RF047-A, RF086, RF23C, RF180, RF280, RF25S, RF405, RF402 Cable Connector: PRF01  Board Connectors: SMA (-TH, -SM, -MT, -EM)
<ul><li>18 GHz, N Type</li><li>Robust threaded coupling</li><li>Superior power handling</li></ul>	(7.008) .2759 (6.933) .2753 DIA	Cables: RF180, RF280  Cable Connector: PRF06
Robust interface with environmental seal and threaded coupling	(9.68).381 (9.60).378 DIA (4.72).186 (4.62).182 DIA	Cables: RF180, RF280  Cable Connector: PRF04

## PRECISION RF, 50 $\Omega$

Interface	1.00 mm	1.35 mm	1.85 mm	2.40 mm	2.92 mm	3.50 mm	SSMA	SMA	Ganged SMPM	SMPM	SMP	N Type	TNCA
Frequency	110 GHz	90 GHz	65 GHz	50 GHz	40 GHz	34 GHz	34 GHz	18/26.5 GHz	65 GHz	65 GHz	40 GHz	18 GHz	18 GHz

## COMPRESSION MOUNT BOARD CONNECTORS





### **VERTICAL CONNECTORS**

- 90 GHz, 65 GHz, 50 GHz, 40 GHz
- Alignment features for peak connector performance
- Threaded coupling with high mechanical stability
- Field replaceable, cost-effective assembly
- Stripline or microstrip/CPW
- Applications: high-performance test & measurement
- Board thickness, torque spec & mating cable assemblies:

1.35 mm • 90 GHz, 50 Ohm • Solderless					
135 Series	Vertical				
Board Thickness	0.016" to 0.125"				
Torque (board mount)	0.5 ~ 0.8 in-lbs				

1.85 mm • 65 GHz, 50 Ohm • Solderless					
185 Series	Vertical				
Board Thickness	0.016" to 0.125"				
Torque (board mount)	0.5 ~ 0.8 in-lbs				

2.40 mm • 50 GHz,	50 Ohm • Solderless
240 Series	Vertical
Board Thickness	0.016" to 0.125"
Torque (board mount)	0.5 ~ 0.8 in-lbs

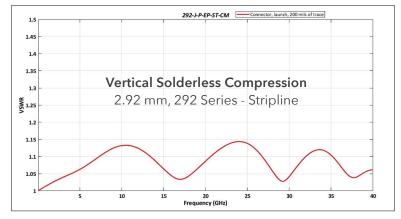
2.92 mm • 40 GHz, 50 Ohm • Solderless					
292 Series	Vertical				
Board Thickness	0.016" to 0.125"				
Torque (board mount)	0.5 ~ 0.8 in-lbs				

## **Mating Cable Assemblies**

RF047-A, RF086, RF23C, RF085, LL110, LL095, LL071, LL043, LL032



Alignment grooves facilitate easy visual matching to fiducial markers on the PCB and ensure repeatable peak connector performance.



The VSWR used AFR on the measurement from the reference plane of the connector into 0.2" of board trace. Board construction was a straight stripline trace on a 6-layer Tachyon 100G board.

## **EDGE LAUNCH CONNECTORS**

- 110 GHz, 65 GHz, 50 GHz, 40 GHz
- Small form factor improves density
- Threaded coupling with high mechanical stability
- Field replaceable, cost-effective assembly
- Applications: high-performance test & measurement
- Board thickness, torque spec & mating cable assemblies:

1.00 mm - 110 GHz, 50 Ohm • Solderless						
100 Series Edge Launch						
Board Thickness	0.040" to 0.100"					
Torque (board mount)	0.5 ~ 0.8 in-lbs					

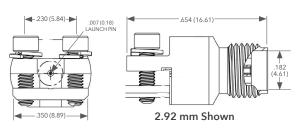
	1.85 mm • 65 GHz, 50 Ohm • Solderless					
	185 Series	Edge Launch				
Board Thickness		0.040" to 0.100"				
Torque (board mount)		0.5 ~ 0.8 in-lbs				

2.40 mm • 50 GHz, 50 Ohm • Solderless				
240 Series Edge Launch				
Board Thickness	0.040" to 0.100"			
Torque (board mount)	0.5 ~ 0.8 in-lbs			

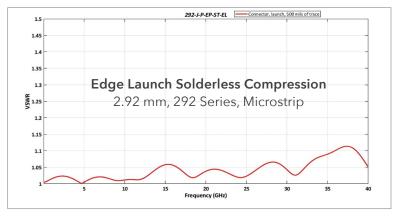
2.92 mm • 40 GHz, 50 Ohm • Solderless					
292 Series	Edge Launch				
Board Thickness	0.040" to 0.100"				
Torque (board mount)	0.5 ~ 0.8 in-lbs				

## **EDGE LAUNCH**

Narrow Body Design Improves Density

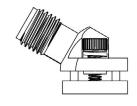




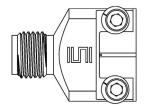


The VSWR used AFR on the measurement from the reference plane of the connector into 0.5" of board trace. Board construction was a straight microstrip trace on a 4 layer stackup with an outer 10 mil core of I-Tera MT40.

## CUSTOM SOLUTIONS ALSO AVAILABLE: 1.85 mm, 2.40 mm, 2.92 mm







Wide Body Edge Launch

## **SOLDERED, SMA SOLUTIONS**

- Series: SMA
- Threaded board connectors, soldered
- 26.5 GHz and 18 GHz options available

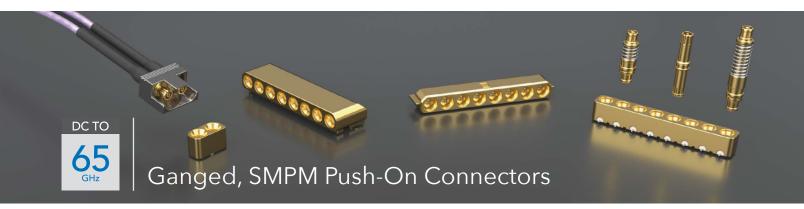








## MULTI-CHANNEL BOARD CONNECTORS





3.56 mm (.140") Channel Pitch

## **COMPRESSION MOUNT, TWO-PORT**

- Differential pair test & measurement
- Two-port SMPM with a solderless compression mount design (-CMM)
- Saves board real estate (2x savings)
- Cable-to-board or board-to-board
- Board thickness: 0.016" to 0.125"
- Torque (board mount): 0.9~1.3 in-lbs
- Alignment features ensure peak connector performance



## **COMPRESSION MOUNT, RIGHT-ANGLE**

- Extremely low profile, right-angle connector (-RA-SM)
- Belly-to-belly, surface mount PCB connection for maximum density
- Body height: 3.94 mm (.155")





## **EDGE MOUNT OR STANDARD SURFACE MOUNT**

- Single row; 2, 4, 6, 8, 10 positions
- Custom pitch and row counts available
- Edge mount (-EM) or standard surface mount (-SL Stub Launch) with alignment pins



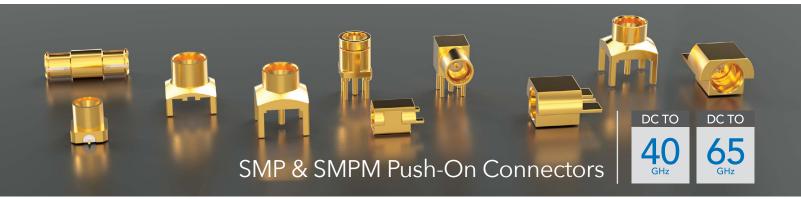


## SURFACE MOUNT WITH SWEPT CONTACT

• Swept right-angle contact allows visible trace alignment with slight performance tradeoffs



## SINGLE-CHANNEL BOARD CONNECTORS



## **SMP SERIES**

- Compensates for misalignment when paired with SMP-B bullet adaptors
- Push-on design for quick, easy mating and blind mate
- Board-to-board and cable-to-board mated sets

- Full detent, limited detent, catcher's mitt and smooth bore
- 20 GHz options: edge mount or through-hole
- 40 GHz options: edge mount, through-hole, surface mount or mixed-technology

	Edge Mount	Through-Hole	Surface Mount	Mixed Technology	Bullet Adaptor	Mating Cable Assemblies
SMP Series	6				1	
20 GHz	SMP-EM3	SMP-TH2	N/A	N/A	SMP-B	RF25S, RF405
40 GHz	SMP-EM	SMP-TH	SMP-SM, stub launch	SMP-MT, stub launch		RF23C, RF086, RF047-A

### **SMPM SERIES**

- Miniature = 30% smaller than SMP
- Compensates for misalignment when paired with PRFIA bullet adaptors (standard and spring-loaded available)
- Push-on design for quick, easy mating and blind mate
- Board-to-board and cable-to-board mated sets
- Full detent, catcher's mitt and smooth bore
- 65 GHz options: edge mount, through-hole, surface mount or mixed technology

SMPM Series	Edge Mount	Through-Hole	Surface Mount	Mixed Technology	Bullet Adaptor	Mating Cable Assemblies
	0					
65 GHz	SMPM-EM	SMPM-ST-TH (straight) SMPM-RA-TH (right-angle)	SMPM-SM, swept contact	SMPM-MT, swept contact	PRFIA, standard or spring-loaded	RF23C, RF086, RF047-A, LL110, LL095

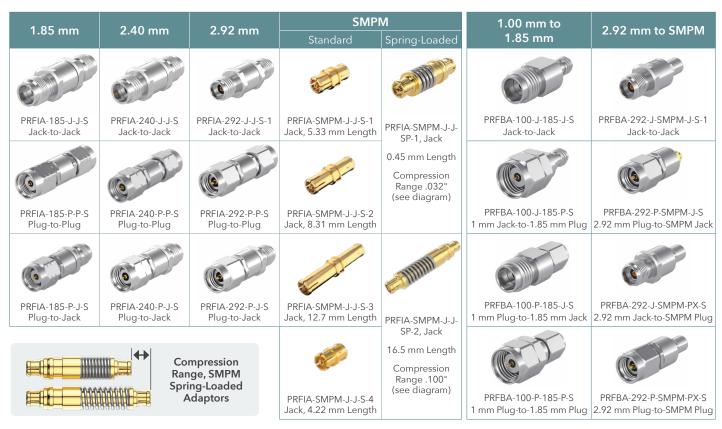
## PRECISION RF ADAPTORS & BULLETS



Samtec offers precision RF adaptors with well-performing VSWR and insertion loss. Plug-to-plug, jack-to-jack or plug-to-jack adaptors are available with threaded or push-on coupling. Interfaces support applications to 110 GHz. Spring-loaded bullet adaptors maintain consistent signal contact in high axial misalignment applications to ensure excellent performance through the system.

## **IN-SERIES ADAPTORS**

## **BETWEEN-SERIES ADAPTORS**



## **APPLICATIONS**

### Mezzanine Board-to-Board

- High density
- Blind mate, push-on coupling
- Compensates for axial and radial misalignment

## **Precision Test & Measurement**

- High frequency precision test
- Used in a lab setting



## PRECISION RF CABLE CONNECTORS



Samtec offers a variety of precision, high frequency cable connectors that are specifically designed to terminate to cables commonly used within the RF microwave/millimeter wave industry. Samtec's cable connectors are manufactured with a precise tolerance interface to ensure superior repeatability and high mechanical stability. Visit the Series page on **samtec.com** for access to prints with termination instructions, and view the **Cable Connector Compatibility Guide** to reference compatibility with industry standard cables.

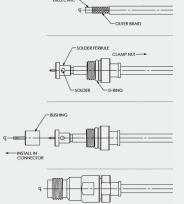
## **CABLE CONNECTORS**

# FREQUENCY / TYPE / SERIES 110 GHz, 1.00 mm, PRF10 Series 50 GHz, 2.40 mm, PRF24 Series 34 GHz, SSMA, PRFS1 Series 40 GHz, SMP, PRF00 Series 18 GHz, SMA, PRF01 Series 18 GHz, N Type, PRF06 Series

Series	PRF10	PRF13	PRF18	PRF24	PRF92	PRF35	PRFS1	PRF01	PRFM0	PRF00	PRF06	PRF04
Туре	1.00 mm	1.35 mm	1.85 mm	2.40 mm	2.92 mm	3.50 mm	SSMA	SMA	SMPM	SMP	N Type	TNCA

65 GHz, SMPM, PRFM0 Series

## TERMINATE TO ANY INDUSTRY STANDARD CABLE



65 GHz, 1.85 mm, PRF18 Series

**1.** Trim cable to expose outer braid and dielectric core

34 GHz, 3.50 mm, PRF35 Series

- 2. Slide clamp nut onto cable, insert cable into solder ferrule, solder cable to ferrule, trim cable dielectric flush with ferrule face.
- **3.** Slide contact/bushing subassembly into connector head
- **4.** Insert cable sub-assembly into connector body, tighten clamp

Note: Assembly instructions vary. See print for details.

## RF APPLICATION TOOLING • samtec.com/tooling

18 GHz, TNCA, PRF04 Series

Samtec offers a variety of tooling for the assembly and installation/ extraction of our interconnect systems. Products for RF include Crimp Hand Tools, Torque Wrenches and Hand Torque Tools.

Visit **samtec.com/tooling**, or contact the Application Tooling Group at **ATG@samtec.com** for specifications and ordering information.



## STANDARD LOW FREQUENCY SUB-6 GHz SOLUTIONS

## 50 Ω SOLUTIONS

Туре		Micro High- Frequency	SMA	МСХ	ммсх	TNC	BNC	SMB
		9		and the second	\$ 65	(A)		
Max Frequency (GHz)			4					
Series	Cable Assemblies	MH081 & MH113	RF174, RF316, RS316, RF178, RF058, GRF1H-C	RF174, RF178, RF316, RS316, GRF1H-C	RF174, RF316, RF316, RF178, GRF1H-C	RF174, RF316, RF316, RF178 RF058, GRF1H-C	RF174, RF178, RF316, RS316, GRF1H-C	RF174, RF316, RF178, GRF1H-C
	Cable Connectors	Right Angle Plug (-MH1RP, -MH3RP, -MH4RP)	SMA-CA Jack & Plug	MCX-CA Jack & Plug	MMCX-CA Plug; MMCXV-CA High- Vibration Jack or Plug	TNC-CA Plug & Jack	BNC5-CA Jack or Plug	SMB5-CA Jack or Plug
	Board Connectors	RSP-122811 (-01, -02, -03)	SMA Jack (-TH, -SM, -MT, -EM)	MCX Jack & Plug (-TH, -SM, -EM, -MT)	MMCX Jack & Plug (-TH, -SM, -MT, -EM); Switchable Jack (-SW); High- Vibration Plug (-TH); High-Vibration Jack (-TH, -EM)	TNC Jack (-TH)	N/A	SMB5 Jack (-TH)
Features & Benefits		Space-saving, high- performance design	Non-magnetic options for medical and aerospace applications	30% smaller than SMBs; non-magnetic options for medical and aerospace applications	Simple snap-on coupling; non- magnetic options for medical and aerospace applications	Reverse polarity straight plug available; non-magnetic options for medical and aerospace applications	Quick connect & disconnect with bayonet coupling	Simple snap- on coupling; non-magnetic options for medical and aerospace applications

## **APPLICATION-SPECIFIC RF SOLUTIONS**

Samtec has the flexibility to quickly and efficiently identify and/or develop innovative, application-specific interconnect solutions to meet a variety of demands in digital/analog systems.

Contact the **RFGroup@samtec.com** to discuss your application needs.



Environmentally Sealed SMA



Pick & Place Machine Designs (-BMXD options)



Counterweights for Automated Assembly

## **75 Ω SOLUTIONS**

Туре		BNC	DIN 1.0/2.3	HD-BNC	MCX	ММСХ	SMB
		(FO)			A A	No.	
Max Frequency (GHz)			12		(	4	
	Cable Assemblies	RFC6T, RF179, RFA6T, RFB6T, GRF7H-C	RFC6T, RFC8T, RF179, RFA6T, RFB6T, RFB8T, GRF7H-C	RFC6T, RFC8T, RFA6T, RFB6T, RFB8T	RF179, GRF7H-C	RF179, GRF7H-C	RF179, GRF7H-C
Series	Cable Connectors	BNC7T-CA Jack & Plug	DIN7A-CA Plug	HDBNC-CA Plug	MCX7-CA Plug	MMCX7-CA Jack & Plug	SMB7H-CA Plug
	Board Connectors	BNC7T Jack (-TH, -BH, -BM, -EM) Diecast & Machined	DIN7A Jack (-TH); Bulkhead Jack (-BH)	HDBNC Jack (-TH, -EM); Bulkhead Jack (-BM, -BH)	MCX Jack & Plug (-TH, -SM)	MMCX Jack & Plug (-TH)	SMB Jack (-TH, -EM)
Features & Benefits			12G-SDI Broadcast solutions	4x the panel density and 20% lighter compared to standard BNC; 12G-SDI solution	30% smaller than SMBs	Simple snap-on coupling	Simple snap- on coupling

## SAMTEC LOW FREQUENCY ORIGINAL SOLUTIONS • DC to 10 GHz

Visit samtec.com/OriginalRF for specifications, and to explore Samtec's full line of Original RF Solutions.



## **Shielded Twisted Pair System**

- $100 \Omega$  differential pair system
- 28 AWG shielded twisted pair cable
- High reliability BeCu contacts
- 1/4-turn bayonet lock

## **Ganged Micro-Mini System**

- $50 \Omega \& 75 \Omega$  board stacking and cable assemblies
- High performance rugged contacts
- Variety of End 2 connectors

## IsoRate® High Isolation System

- $50 \Omega$  board stacking & cable assemblies
- Half the cost of traditional RF at virtually the same performance

## Mini & Micro-Mini Interconnects

- 75  $\Omega$  impedance MCX & MMCX
- $50 \Omega$  high-vibration MMCX

## High Cycle U.FL Cable Plug

- 500 cycle U.FL compatible plug
- .047" DIA flexible cable

## APPLICATION-SPECIFIC INDUSTRY STANDARDS



## VITA™ 90 VNX+™ SOLUTIONS

- The next generation of open-systems small-form-factor embedded computing
- RF backplane system to support 110 GHz with high-density size 20 contacts; size 16 contacts in development
- Rugged blind mate solution
- SWaP-C reductions make this ideal for military and aerospace applications
- Configured with Samtec's SEARAY™ right-angle array and rugged optics
- Standard COTS solutions (versus customs) offer the flexibility to quickly upgrade or modernize hardware for keeping up with evolving threats
- Please visit samtec.com/VNX-plus, or contact our standards experts at VITA@samtec.com for additional information



## WHAT IS VITA™ 90 VNX+™

The SOSA<sup>™</sup> Technical Standards Group and VITA<sup>™</sup> collaborate to bring standardization to the defense and space communities with a goal of integrating sensors into everything. VNX+<sup>™</sup> (VITA<sup>™</sup> 90) is an evolution of the existing VITA<sup>™</sup> architecture where SWaP-C attributes make it a natural fit for weapons, communications and surveillance systems.

The form factor of an entire VNX+™ embedded module can fit within a 5-inch tube. It enables high-performance sensor interfaces to be in close proximity to signal processors, computers and radios. VNX+™ modules are designed with standard COTS interfaces supported by Samtec and use a variety of predefined combinations of high-speed digital (56 Gbps), rugged optical and coaxial RF (110 GHz) solutions.

VITA, VNX, VNX+, FMC, FMC+, XMC and XMC+ are all respective trademarks of VITA. SOSA is a trademark of The Open Group Limited.

### SAMTEC INDUSTRY STANDARDS & SPACE HERITAGE

For 25+ years, Samtec has been engaged in developing products and supporting standards for systems that launch into space. The first stage of Samtec's space heritage began when one of Samtec's earliest products, the Sam Array® High-Density Open-Pin-Field Array, was selected as part of the VITA™ 42 XMC™ standard in 2002.













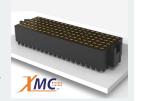
Since then, Samtec engineers have continued to engage with numerous standards bodies to develop the standards and interconnects that make leading-edge space-qualified designs possible and continue to expand on Samtec's space heritage.

Samtec Releases SEARAY™ High-Density **Open-Pin-Field Arrays** 



VITA™ 42 XMC™ Sam Array® High-Density **Open-Pin-Field Arrays** 

Mil/Aero Embedded Computing, Image Processing, Signals Intelligence (SIGINT)



Samtec Earns ITAR Registration



2009 2010

2007

2002

2004

SEARAY™ High-Speed Arrays Specified for VITA™ 57.1 FMC™ & 57.4 FMC+™ Standards

Avionics/Payload Subsystems, Signal Processing, Vision, AI & Small Chassis Radar, Data Acquisition







2019

2022

VITA™ 88 XMC+™

SEARAY™ High-Density **Open-Pin-Field Arrays** 

Small Chassis Radar Systems, Data Acquisition, SpaceCube™ v2.0 Mini



VITA™ 90 VNX+™

SEARAY™ High-**Density Arrays** 

Space Suits, UAV / Space-Constrained Deployments, Compute Modules, Ethernet Switches,



Software-Defined Radio (SDR) Modules, Tactical Grade

**MEMS Inertial Measurement Sensors** 

## APPLICATION-SPECIFIC ANALOG OVER ARRAY™

## SIMULTANEOUSLY RUN ANALOG, DIGITAL AND POWER SIGNALS

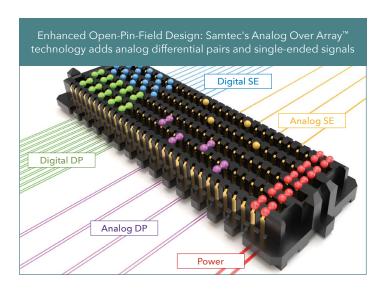


High-density RF applications typically require up to hundreds of individual RF connectors. Samtec's Analog Over Array™ Connectors can replace dozens of precision RF connectors offering a smaller footprint, less weight and cost optimization. Samtec's Analog Over Array™ connectors are dense, high frequency, open-pin-field solutions supporting digital and analog differential or single-ended signaling.

 Samtec high-density array connectors are already proven in high-speed, highperformance digital applications



- Analog Over Array<sup>™</sup> Reference Designs achieve industry-leading differential crosstalk and return loss performance beyond 8 GHz
- Connectors feature an open-pin-field design with maximum routing and grounding flexibility
- Analog and digital signals (differential pairs and/or singleended) plus power though the same interconnect
- Differential ground pattern supports RF SOCs
- Single-ended ground pattern



### SEARAY™ HIGH-DENSITY OPEN-PIN-FIELD ARRAYS

- 560-pin single array connector can support up to 26 differential RF signals
- 560-pin single array connector can support six differential RF signals plus digital I/O and power
- Reference Design & Evaluation Kits for additional Samtec open-pin-field arrays are in development for SEAX8, NVAX, APX6, LPAX, and GMI Series







Final Optimized BOR

## PRECISION RF & ANALOG OVER ARRAY™ EVALUATION KITS

Samtec offers easy-to-use platforms for the evaluation of our high-performance RF products and Analog Over Array™ technology. Please contact our technical experts at KitsAndBoards@samtec.com or RFGroup@samtec.com for details.



50 GHz Bulls Eye\* SI Evaluation Kit (REF-213497-01)



70 GHz Bulls Eye\* SI Evaluation Kit (REF-213864-01)

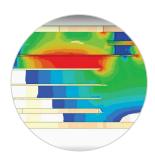


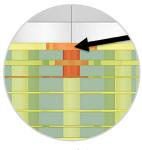
Vertical Compression Mount SI Evaluation Kit (REF-228591-XX)

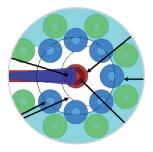
## RF DESIGN, DEVELOPMENT & TECHNICAL SUPPORT

## SIGNAL INTEGRITY & RF DESIGN EXPERTISE & SUPPORT

- Launch optimization & design services
- Simulation
- Prototyping
- Physical test and measurement verification
- Full channel analysis, system support
- Application specific design and development assistance







E-field Simulation

3D Modeling

Launch Optimization

### **TECHNICAL RESOURCES**

Samtec's Technical Library contains white papers, application/technical notes, published papers, webinars and presentations on high-performance system design. These resources underscore how Samtec supports interconnectivity needs across multiple industries, applications, performance requirements and operating environments.

### WHITE PAPERS

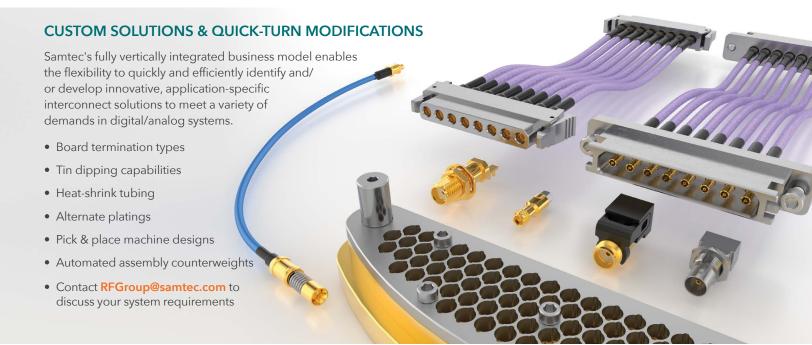
- Wideband RF Launches
- Impacts of Solder Reflow on RF Connectors
- Millimeter Wave Design
- Visit samtec.com/tech-library

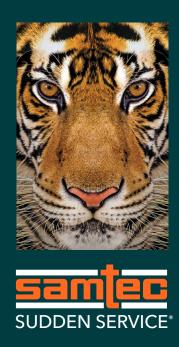
### **TECHNICAL REPORTS**

 Precision Alignment in Test and Measurement Applications: samtec.com/alignment

### PRESENTATIONS & WEBINARS

- Understanding Transmission Line Discontinuities: samtec.com/system-impedance
- Precision RF Connector PCB Launches for 224 Gbps Devices: samtec.com/rf-launches-224





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