



## HIGH PERFORMANCE

# Field Replaceable SMA Connectors

San-tron's field replaceable SMA connectors are made free and deliver low VSWR performance through 27 GHz. The connectors are unique in that they provide equivalent electromagnetic performance, from DC to 27 GHz, as similar products produced by Southwest Microwave.

The field replaceable SMA connectors are available for 0.012", 0.015", and 0.020" diameter launch pins with 1/2" square, 3/8" square, 1/2" by 3/8", .500" 2-hole, .550" 2-hole or .625" 2-hole flange configurations.

Other mounting options may be made available upon request. They feature high-performance gold-plated beryllium copper contacts, polyetherimide (PEI) capture bead, polytetrafluoroethylene (PTFE) insulators and rugged stainless-steel bodies. They fully comply with MIL-STD-348.



## SPECIFICATIONS

### Electrical

Frequency Range - DC to 27 GHz  
 Nominal Impedance - 50 ohms  
 VSWR - DC to 18.0 GHz <1.10:1  
           - 18.0 to 27.0 GHz <1.15:1  
 Voltage Rating (sea level) - 335 VRMS  
 DWV (sea level) - 1000 VRMS @60Hz

### Environmental

Temperature: -65° to +165°C

### Materials

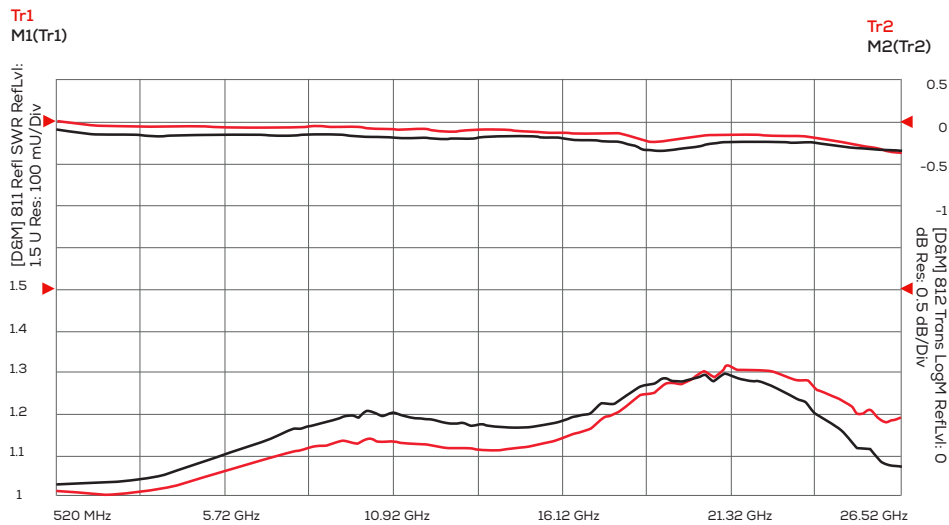
Housing - 303 SS  
 Contact - BeCu, Gold Plated  
 Capture Bead - PEI or PEEK  
 Insulator - PTFE

## ORDERING INFORMATION

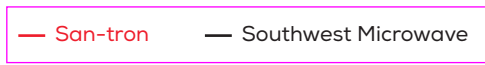
### Field Replaceable SMA Panel Receptacles

Flange Type	Launch Pin Diameter		
	.012"	.015"	.020"
4 Hole .375" Square	1206-205-M12-PJ	1206-205-M15-PJ	1206-205-M20-PJ
4 Hole .500" Square	1206-206-M12-PJ	1206-206-M15-PJ	1206-206-M20-PJ
4 Hole .500" by .375"	1206-207-M12-PJ	1206-207-M15-PJ	1206-207-M20-PJ
2 Hole .625"	1206-208-M12-PJ	1206-208-M15-PJ	1206-208-M20-PJ
2 Hole .550"	1206-209-M12-PJ	1206-209-M15-PJ	1206-209-M20-PJ
2 Hole .500"	1206-214-M12-PJ	1206-214-M15-PJ	1206-214-M20-PJ

## PERFORMANCE



Test of insertion loss and VSWR for San-tron PN 1206-209-M12-PJ in back to back configuration versus Southwest Microwave PN 212-505SF



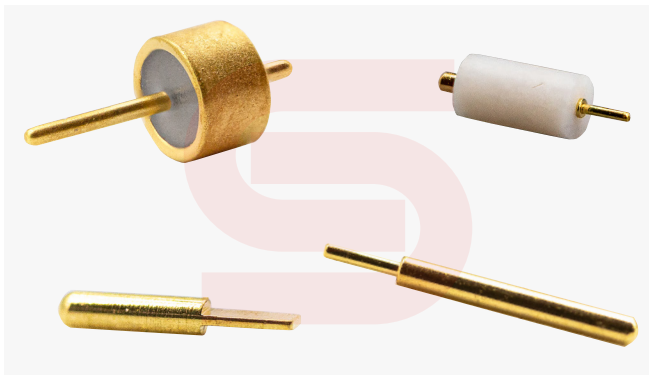
## Unique Solutions for your demanding RF application



With over 65 years of RF – Microwave interconnect design, development, and manufacturing experience, San-tron has the know-how, resources and systems to configure the best interconnect for your demanding RF application. Whether it is a high reliability connector for harsh aerospace or military environments, a high performance flexible, conformable or semi-rigid cable assembly, or custom RF component, we can design and deliver quickly and at a competitive price.

San-tron is located in Ipswich, MA, USA.

## FEED THROUGH ACCESSORIES



San-tron offers a wide variety of glass to metal feedthroughs, launch pins and PTFE insulators for use with our Field Replaceable SMA connectors.

To request a quote or learn more about San-tron's High Performance, 2.92mm Cable Connectors contact:

info@santron.com | 978-356-1585