

# 362 Series SMPM

## Micro-Miniature RF Connectors

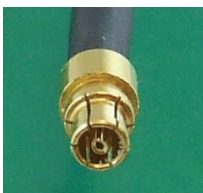


### Product Description

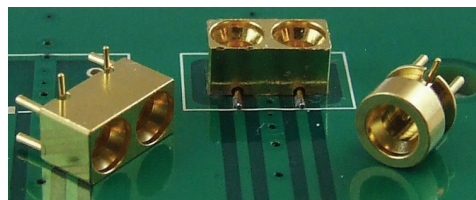
The 362 Series SMPM connectors feature a snap-in, vibration-resistant connection, constructed for high shock mobile and military applications. The frequency range is 65 GHz with low VSWR. The push-on design allows the installer to mate connectors without the need for any tooling.

The extremely compact size (30% smaller than SMP) allows for high-density applications and, combined with the withdrawal features of the full detent design, the SMPM series has become a standard for quick and effective interconnects using semi-rigid cable to printed circuit boards.

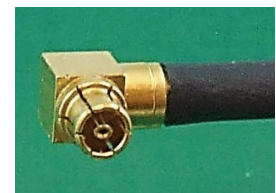
The Winchester SMPM connector is designed to meet the requirements of MIL-STD-348, figure 328, and is intermateable with all manufacturers who comply with this industry standard.



- Straight cable plugs feature a solder / solder termination method. The center contact is precision machined Beryllium Copper, and the contact gender is female.



- PCB Jack Connectors are available in single and dual port configurations. PCB Connectors feature an SMT center contact with either a smooth bore or full detent interface. The gender of the center contact is a male pin.



- Winchester offers higher performing swept right-angle cable designs for your critical applications.

## Specifications

### Electrical

Impedance: 50 Ohms  
 Frequency Range: DC to 65 GHz  
 VSWR: 1.20 Max to 26.5 GHz  
 1.45 Max to 40 GHz  
 Insulation Resistance: 5000 Megohms Min  
 Voltage Rating: 250 VRMS

### Mechanical

Durability: Full Detent 100 Cycles  
 Limited Detent 500 cycles

#### Mating Characteristics:

	Engagement Force	Retention
Full Detent	9 lbs. Max	4 lbs. Min
Smooth Bore	4 lbs. Max	1.5 lbs. Min

Misalignment:  
 Radial +/-0.010in.  
 Axial 0.000/0.010in.

### Material

Body: Brass per ASTM B16  
 Male Contacts: Brass per ASTM B16  
 Female Contacts: Beryllium Copper per ASTM B196  
 Insulators: PTFE per ASTM D1710  
 Ferrule: Bronze or Brass Alloy

### Finishes

Center Contacts: Gold over Nickel  
 All Other Components: Gold or Nickel Plate to meet the corrosion requirements of MIL-PRF-39012

### Environmental

Temperature Rating: -65°C to +165°C  
 Corrosion Resistance: MIL-STD-202, Method 101, Cond B  
 MIL-STD-202, Method 204, Cond D  
 Vibration: MIL-STD-202, Method 107, Cond B  
 Shock: (except high temp to be +165°C or max high temp of cable.)

## Part Numbers

KINGS® Part Number	Description	Cable Size
3623-500-04701H	Straight Plug	0.047 Semi-Rigid
362D-500-04703H	Right-Angle Plug	0.047 Semi-Rigid
362D-500-04702H	Swept Right-Angle Plug	0.047 Semi-Rigid
3623-500-08501H	Straight Plug	RG-405 (0.085)
362D-500-08501H	Right-Angle Plug	RG-405 (0.085)
362G-362-00001H	Plug-to-Plug Adapter	n/a
362A-052-00402H	PCB Jack w/4 Legs, Smooth Bore	n/a
362A-052-00403H	PCB Jack w/4 Legs, Full Detent	n/a
362A-099-00401H	Surface Mount Jack, Smooth Bore	n/a
362A-099-00402H	Surface Mount Jack, Full Detent	n/a
362A-052-00401H	PCB Jack, 2-Port, Full Detent	n/a



Winchester Electronics  
 199 Park Road Extension, Suite 104  
 Middlebury, Connecticut 06762  
 203.741.5400 Phone  
 203.741.5500 Fax  
[www.winchesterelectronics.com](http://www.winchesterelectronics.com)