

# 362 Series SMPM

Micro-Miniature RF Connectors



Kings products, like the 362 Series SMPM Connectors, are now sold under the Kings-Win™ brand from Winchester Interconnect™.

## Product Description

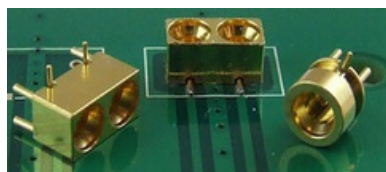
Winchester Interconnect's 362 Series SMPM connectors feature a snap-in, vibration-resistant connection, constructed for high shock mobile and military applications. The frequency range is 65 GHz with low VSWR. The push-on design allows the installer to mate connectors without the need for any tooling.

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

## Specifications

### Electrical

#### Impedance

50 Ohms

#### Frequency Range

DC to 65 GHz

#### Voltage Rating

250 VRMS

#### VSWR

1.20 Max to 26.5 GHz

1.45 Max to 40 GHz

#### Insulation Resistance

5000 Megohms Mi

### Mechanical

#### Durability

Full Detent 100 Cycles

Limited Detent 500 Cycles

#### Mating

#### Characteristics

Full Detent

Smooth Bore

#### Misalignment

Radial

Axial

#### Engagement Force Retention

9 lbs. Max 4 lbs. Min

4 lbs. Max 1.5 lbs. Min

+/-0.010 in.

0.000/0.010 in.

### 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 Range

-65°C to +165°C

#### Corrosion Resistance

MIL-STD-202,

Method 101, Cond B

#### Vibration

MIL-STD-202,

Method 204, Cond D

#### Shock

MIL-STD-202, Method 107, Cond B (except high temp to be +165°C or max high temp of cable.)

## Part Numbers

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



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