

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

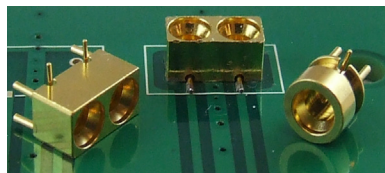
Winchester Interconnect's 362 Series SMPM connectors feature a snap-in, vibration-resistant connection, constructed for high shock mobile and military applications. The frequency range is 65 GHz with low VSWR. The push-on design allows the installer to mate connectors without the need for any tooling.

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.

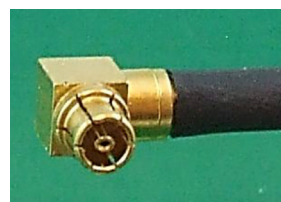
The Winchester Interconnect SMPM connector is designed to meet the requirements of MIL-STD-348, figure 328, and is intermateable with all manufacturers who comply with this industry standard.



- 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.

 **Winchester**
Interconnect.

We Energize Innovation.

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 Min

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	+/-0.010 in.
Axial	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 of 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



Kings products are now under the Kings-Win™ brand from Winchester Interconnect.