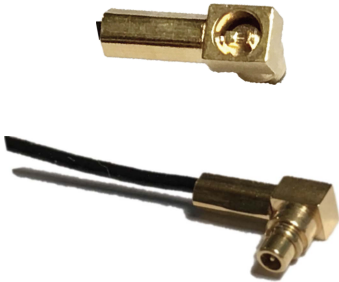


# Solderless RF Connectors

MCX, MMCX, & SMP



The Win™ brand from Winchester Interconnect™ now offers right angle solderless RF connectors and cable assemblies. Winchester's solderless RF connectors eliminate costly field failures caused by cold solder, solder contamination, insufficient wetting, and excessive solder simplifying installation and improving assembly yields.

## Product Description

Winchester's solderless connector series is ideal for applications in a wide range of industries including Medical, and Test & Measurement. Our solderless RF connectors eliminate the reliance on operators and qualitative processes to ensure the solder joint meets standards. Winchester's solderless RF connectors utilize highly repeatable, quantifiable termination methods and eliminate the variability of operator skill level and subjective inspection techniques.

Currently available in three interfaces, the robust, quantitative connector terminations provide a reliable interconnect in the most demanding environments.

## Key Features

- Robust connector termination
- Meets MIL-STD-348 requirements
- Backward compatible
- Snap-on interfaces meets CECC requirements
- Available interfaces include MCX, MMCX, & SMP
- Non-magnetic
- RoHS compliant
- Pull force exceeding strength of the cable



*We Energize Innovation.*

## Specifications

|  |   |   |  |
|--|---|---|--|
| <b>Electrical</b><br><b>Impedance</b><br>50 Ohms<br><b>Frequency Range</b><br>DC – 3 GHz | <b>Material</b><br><b>Body</b><br>C26000 Brass<br><b>Contact</b><br>C51000 Phosphor<br>Bronze<br><b>Insulator</b><br>Peek 1000<br><b>Plating</b><br>Gold over Tri-metal | <b>Environmental</b><br><b>Temperature Range</b><br>-65° to +100° Celsius<br><b>Vibration</b><br>MIL-STD-202<br>Method 204<br>Condition D<br>RoHS Compliant | <b>Environmental</b><br><b>Shock</b><br>MIL-STD-202 Method<br>102 Condition C<br><b>Corrosion</b><br>MIL-STD-202 Method<br>101 Condition B |
|--|---|---|--|

### Mechanical

| Interface | Engagement Force | Disengagement Force | Standard Spec. | Configurations     | Durability |
|-----------|------------------|---------------------|----------------|--------------------|------------|
| MMCX      | 3.4lb max        | 1.4 lbs min         | CCEC           | Cable, Right Angle | 500 Cycles |
| MCX       | 5.6lb max        | 1.8 lbs min         | CCEC           | Cable, Right Angle | 500 Cycles |
| SMP       | 15lb max         | 5 lbs min           | MIL-STD-384    | Cable, Right Angle | 100 Cycles |

## Part Numbers

| Part Number    | Description | Cable Type         | Spec        |
|----------------|-------------|--------------------|-------------|
| 472-900-0365   | MMCX        | L45466-B612-W28-EN | Right Angle |
| 452-900-0364   | MCX         | RG-178             | Right Angle |
| 3616-900-B0003 | SMP         | RG-178             | Right Angle |