



Interface Receiver/Fixture Specifications

Receiver Side Part NumberVGRCB-39CPS
Fixture Mating ConnectorVGFCB-39CPS

Coax Contacts

Number of Coax Contactsup to 19*
Dimensions2.345h x 1.115w
Voltage Rating250 VAC
Current Rating500 mAmp
Contact Resistance5 mΩ
Impedance50 Ω
Capacitance21 pF
Inductance3 nH
Bandwidth (-3 dB Roll Off)1 Ghz
Durability25,000 cycles

Coax - Receiver Interconnection Information

Receiver Coax Contacts w/36" Cable Assembly
Mini Coax 50Ω RG174CR-MCA50RG174-36
Mini Coax Contact Kit 50ΩCR-610104114
Type of ConnectionCrimp

Coax - ITA Interconnection Information

Mini Coax 50Ω RG174CF-MCA50RG174-36
Mini Coax 50Ω (Contact Only)CF-610103115
Type of ConnectionCrimp

Power Contacts

Number of Power Contactsup to 19*
Dimensions2.345h x 1.115w
Voltage Rating250 VAC
Current Rating50 Amp
Contact Resistance6 mΩ

VGRCB-39CPS VGFCB-39CPS

The VGRCB-39CPS provides 19 contacts for mini-coax, power or a combination of both. Mini-coax contacts are provided for signals up to 1 Ghz and power signals up to 50Amps/250VAC. An additional 20 contacts are provided for signal lines. Proper alignment is ensured by: two precision alignment pins per block; two shoulder mounting screws per VGR block allow the block to float in the receiver.

Capacitance21 pF
Inductance3 nH
Bandwidth (-3 dB Roll Off)1 KHz
Durability25,000 cycles

Power - Receiver Interconnection Information

Power Contact
Mini 50 AmpCR-610116112
Type of ConnectionSolder

Power - ITA Interconnection Information

Power Contact
Mini 50 AmpCF-0883011-02
Type of ConnectionSolder

Signal Contacts

Number of Signal Contacts20
Dimensions2.345h x 1.115w
Voltage Rating250 VAC
Current Rating5 Amp – 22 AWG
Current Rating10 Amp – 14 AWG
Contact Resistance5 mΩ
Capacitance21 pF
Inductance3 nH
Bandwidth (-3 dB Roll Off)100 Mhz typical
Durability25,000 cycles
VG Mini Power/Coax Extraction ToolVGMXT

* The block can be configured with the user defined numbers of coax and power contacts. Total of power and coax contacts can not exceed 19.

The VGR and VGFCB-39CPS contact blocks are Teradyne compliant and are available on their Spectrum 9000 Series of functional test platforms.



Mini Coax/Power Contact Extraction ToolVGMXT