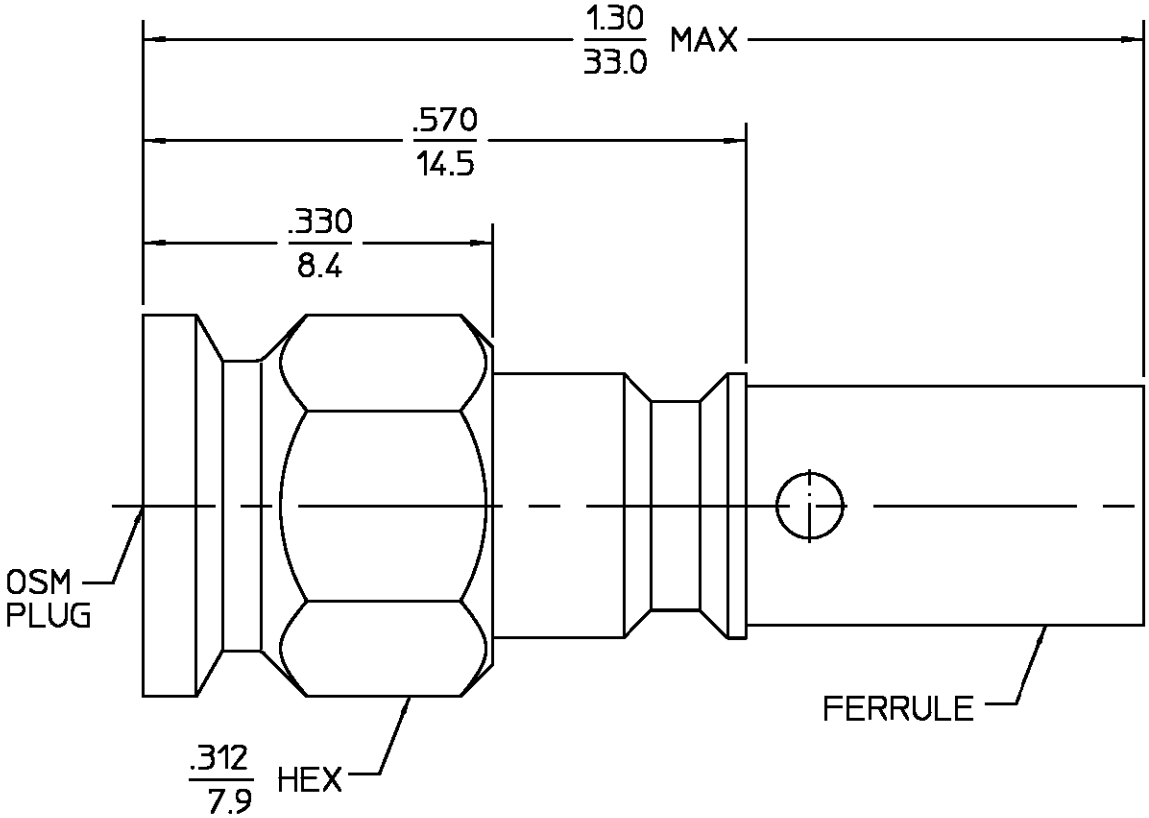


			DESIGNED FOR USE WITH RQ-58/U OR EQUIVALENT		REVISIONS																																																	
			CABLE ENTRY DIAMETER MINIMUM		REV	DESCRIPTION		DATE	APPROVED																																													
					010	RELEASED		06/15/94	AD																																													
			CONTACT .040																																																			
HOUSING .121																																																						
FERRULE .216																																																						
<table><tr><td>HOUSING</td><td>STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303</td><td>GOLD PLATE PER MIL-G-45204</td></tr><tr><td>COUPLING NUT</td><td>STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303</td><td>PASSIVATE PER ASTM-A380</td></tr><tr><td>DIELECTRIC</td><td>TFE FLUOROCARBON PER ASTM-D-1457</td><td>N/A</td></tr><tr><td>CENTER CONTACT</td><td>BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H</td><td>GOLD PLATE PER MIL-G-45204</td></tr><tr><td>RETAINING RING</td><td>BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H</td><td>N/A</td></tr><tr><td>GASKET</td><td>SILICONE RUBBER PER ZZ-R-765</td><td>N/A</td></tr><tr><td>FERRULE</td><td>COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM</td><td>GOLD PLATE PER MIL-G-45204</td></tr></table>			HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204	COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	PASSIVATE PER ASTM-A380	DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A	CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204	RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A	GASKET	SILICONE RUBBER PER ZZ-R-765	N/A	FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204	<table><tr><td>COMPONENT</td><td>MATERIAL</td><td>FINISH</td></tr><tr><td colspan="3">UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON</td></tr><tr><td>FRAC.</td><td>DEC.</td><td>ANGLES</td></tr><tr><td>± 1/64</td><td>±.005</td><td>± 1°</td></tr><tr><td colspan="3">These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission.</td></tr><tr><td colspan="3">USE ASS'Y PROCEDURE</td></tr><tr><td colspan="3">NO. AP. 408-04969 (20-511)</td></tr></table>			COMPONENT	MATERIAL	FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON			FRAC.	DEC.	ANGLES	± 1/64	±.005	± 1°	These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission.			USE ASS'Y PROCEDURE			NO. AP. 408-04969 (20-511)									
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204																																																				
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	PASSIVATE PER ASTM-A380																																																				
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A																																																				
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204																																																				
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A																																																				
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A																																																				
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204																																																				
COMPONENT	MATERIAL	FINISH																																																				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON																																																						
FRAC.	DEC.	ANGLES																																																				
± 1/64	±.005	± 1°																																																				
These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission.																																																						
USE ASS'Y PROCEDURE																																																						
NO. AP. 408-04969 (20-511)																																																						
<table><tr><td>ELECTRICAL</td><td>MECHANICAL</td><td>ENVIRONMENTAL</td></tr><tr><td>Nominal Impedance (Ohms) 50</td><td>Interface Dimensions MIL-STD-348A, Fig. 310.1</td><td>Temperature Rating -65°C to +165°C</td></tr><tr><td>Frequency Range (GHz) DC to 12.4</td><td>Recommended Mating</td><td>Vibration MIL-STD-202, Method 204, Condition D.</td></tr><tr><td>Volt Rating (VRMS MAX) @ Sea Level 335</td><td>Torque 7 - 10 in-lbs</td><td>Shock MIL-STD-202, Method 213, Condition I.</td></tr><tr><td>VSWR 1.15 ± .01 f(GHz)</td><td>Mating Characteristics:</td><td>Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 85°C</td></tr><tr><td>Insertion Loss (dB MAX) .06 √f(GHz)</td><td>Insertion (MAX Lbs) N/A</td><td>Moisture Resistance MIL-STD-202, Method 106</td></tr><tr><td>RF Leakage (dB MIN) -60 @ 2-3 GHz</td><td>Withdrawal (MIN Oz) N/A</td><td>Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray</td></tr><tr><td>Corona, 70,000 Ft (VRMS MIN) 250</td><td>Force to Engage and Disengage (In-Lbs MAX) 2.0</td><td></td></tr><tr><td>Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1,000</td><td>Center Contact Captivation</td><td></td></tr><tr><td>Contact Resistance (Milliohms MAX)</td><td>Axial (Lbs) 6.0</td><td></td></tr><tr><td>Center Contact 3.0</td><td>Radial (In-Oz) N/A</td><td></td></tr><tr><td>Outer Contact 2.0</td><td>Cable Retention</td><td></td></tr><tr><td>Cable to Housing .05</td><td>Axial Force (Lbs MIN) 40</td><td></td></tr><tr><td>RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670</td><td>Torque (In-Oz) N/A</td><td></td></tr><tr><td>IR.(Megohms MIN) 5,000</td><td>Weight (Grams) TBD</td><td></td></tr></table>			ELECTRICAL	MECHANICAL	ENVIRONMENTAL	Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310.1	Temperature Rating -65°C to +165°C	Frequency Range (GHz) DC to 12.4	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D.	Volt Rating (VRMS MAX) @ Sea Level 335	Torque 7 - 10 in-lbs	Shock MIL-STD-202, Method 213, Condition I.	VSWR 1.15 ± .01 f(GHz)	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 85°C	Insertion Loss (dB MAX) .06 √f(GHz)	Insertion (MAX Lbs) N/A	Moisture Resistance MIL-STD-202, Method 106	RF Leakage (dB MIN) -60 @ 2-3 GHz	Withdrawal (MIN Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray	Corona, 70,000 Ft (VRMS MIN) 250	Force to Engage and Disengage (In-Lbs MAX) 2.0		Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1,000	Center Contact Captivation		Contact Resistance (Milliohms MAX)	Axial (Lbs) 6.0		Center Contact 3.0	Radial (In-Oz) N/A		Outer Contact 2.0	Cable Retention		Cable to Housing .05	Axial Force (Lbs MIN) 40		RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670	Torque (In-Oz) N/A		IR.(Megohms MIN) 5,000	Weight (Grams) TBD		<table><tr><td colspan="2">.XXX = in</td></tr><tr><td colspan="2">XX.X = mm</td></tr></table>			.XXX = in		XX.X = mm	
ELECTRICAL	MECHANICAL	ENVIRONMENTAL																																																				
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310.1	Temperature Rating -65°C to +165°C																																																				
Frequency Range (GHz) DC to 12.4	Recommended Mating	Vibration MIL-STD-202, Method 204, Condition D.																																																				
Volt Rating (VRMS MAX) @ Sea Level 335	Torque 7 - 10 in-lbs	Shock MIL-STD-202, Method 213, Condition I.																																																				
VSWR 1.15 ± .01 f(GHz)	Mating Characteristics:	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 85°C																																																				
Insertion Loss (dB MAX) .06 √f(GHz)	Insertion (MAX Lbs) N/A	Moisture Resistance MIL-STD-202, Method 106																																																				
RF Leakage (dB MIN) -60 @ 2-3 GHz	Withdrawal (MIN Oz) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray																																																				
Corona, 70,000 Ft (VRMS MIN) 250	Force to Engage and Disengage (In-Lbs MAX) 2.0																																																					
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1,000	Center Contact Captivation																																																					
Contact Resistance (Milliohms MAX)	Axial (Lbs) 6.0																																																					
Center Contact 3.0	Radial (In-Oz) N/A																																																					
Outer Contact 2.0	Cable Retention																																																					
Cable to Housing .05	Axial Force (Lbs MIN) 40																																																					
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670	Torque (In-Oz) N/A																																																					
IR.(Megohms MIN) 5,000	Weight (Grams) TBD																																																					
.XXX = in																																																						
XX.X = mm																																																						

AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

TITLE OSM STRAIGHT CABLE PLUG
SOLDER ATTACHMENT
M39012/55-3009 CAT. A

SIZE B	CODE IDENT NO. 26805	2031-8009-92	REV 010
SCALE 10 : 1		SHEET 1 OF 1	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2031-8009-92](#)