

ENG FILE GOPY

NOTES:

1. MATING:

Interface dimensions per Mil-C-39012 Series and Solitron/Microwave MD-126.

2. MATERIALS:

Body and Hex Nut: Stainless Steel per AMS-5640, Type 303, Cond. A.

Contact: Beryllium Copper per QQ-C-530, Cond. H.T., Alloy 173.

"O" Ring: Silicone Rubber per ZZ-R-765, Class II B, Grade 50-60.

Dielectric: Teflon per Mil-P-19468 and L-P-403, Type I.

3. FINISH:

Body, Hex Nut & Lockwasher: Passivated per QQ-P-35A, Type I.

Body (Hex 9/16 Cable Entry): Gold per Mil-G-45204, Type II, Grade C, Class 2; over Nickel per Mil-C-26074 (Electroless) Class 2.

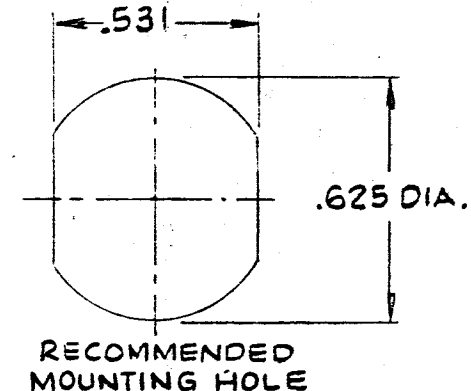
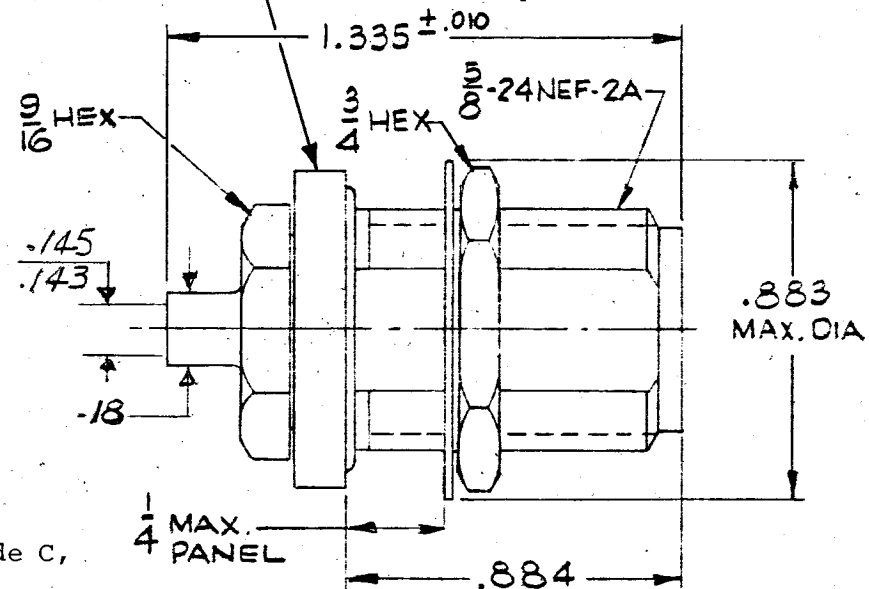
Contact: Gold per Mil-G-45204 Type II, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.

4. Cable Assembly Instruction per 300-80-097.

5. Weight: 36 Grams Maximum.

IDENTIFICATION MARKING ON THIS SURFACE IN 1/16 CHARACTERS

SF6545-6003



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED			SOLITRON / MICROWAVE			REF.
—	REL. DCNF-6745	10/78	DGG	1. REMOVE ALL BURRS			PORT SALERNO, FLORIDA			ENGINEERING
A	REV. F-8482	8/81	(DGG)	2. BREAK ALL CORNERS & EDGES .005 R MAX.			MATERIAL			DATA DRAWING
				3. CHAMFER 1ST & LAST THREADS 45°			FINISH			TITLE
				4. SURFACE ROUGHNESS 63 ✓ MIL-STD-10						PN, JACK
				5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R.						FOR .141 DIA. SEMI RIGID
				6. ALL DIMENSIONS ARE AFTER PLATING						CABLE
				DIMENSIONS ARE IN INCHES TOLERANCES						
				DECIMALS	FRACTIONAL	ANGULAR				
				.X ± .030		X° ± 1'0"				
				.XX ± .015	± 1/64					
				.XXX ± .005		X°X' ± 15'				
				DRAWN: R. PRATT DATE 10-12-78			SCALE	CODE IDENT. NO.	SIZE	DRAWING NO.
				CHECKED DATE			—	95077	A	SF6545-6003
				APPROVED: DGG DATE 10/12/78						SHEET NO 1 OF 2

ENG FILE COPY

"DESIGN CRITERIA"

SF6545-6003

REQUIREMENT	RATING	REQUIREMENT	RATING
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-12.4		
Voltage Rating (max. vrms)	500	Shock	MIL-STD-202 method 213 Cond. I (100G's)
Temperature Rating (degrees centigrade) 2)	-65 To +105°C		
VSWR (max.)	1.05 +.005xFGHz	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°C To + 115°C)
Insertion Loss (dB max.)	.05x√FGHz		
RF Leakage (min. dB down)	100dB-FGHz	Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
RF High Potential (max. vrms)	1000 AT 5MHz		
Dielectric Withstanding Voltage (max. vrms)	1500	Moisture Resistance	MIL-STD-202 method 106 less step 7b
Insulation Resistance (min. megohms)	5000		
Contact Resistance		Barometric Pressure (Altitude)	MIL-STD-202 method 105 Cond. C (70,000 ft.) (375 vrms)
Center Contact (max. milliohms)	1.0		
Outer Contact (max. milliohms)	0.2	Hermeticity	N/A
Center Contact Axial Forces			
Insertion (max. ounces)	24.0	Captivation (Min. Axial Force)	6 Lbs.
Withdrawal (min. ounces)	2.0		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	6.0		

REMARKS: 1.) RECOMMENDED MATING TORQUE: 35-40 INCH POUNDS
 2.) CONNECTOR IS DERATED FROM +165°C WHEN MATED WITH CABLE SPECIFIED..

TITLE	PN JACK FOR .141 S.R. CABLE	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA	SHEET 2 OF 2	DRAWING NO. SF6545-6003	REV A
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Mouser Electronics

Authorized Distributor

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