

ENG FILE COPY

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 3/16 Cable Entry): Gold per Mil-G-45204, Type II, Grade C,

Class 2; over Nickel per Mil-C-26074 (Electroless)

Class 2.

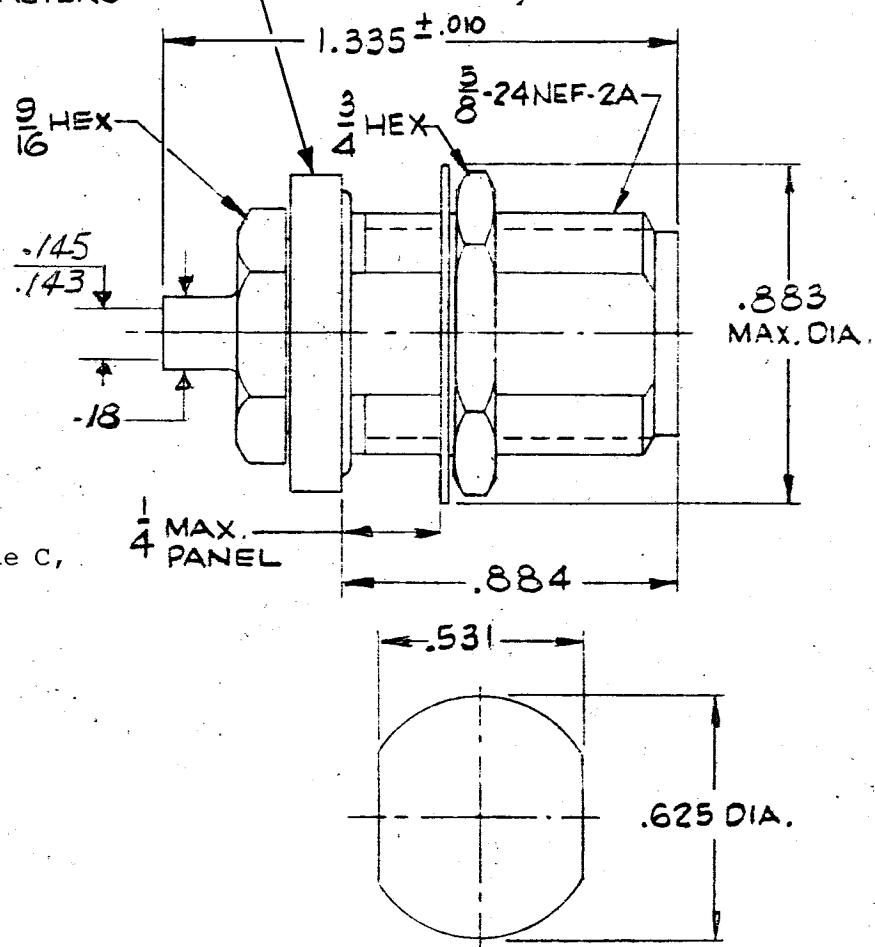
Contact: Gold per Mil-G-45204 Type II, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.

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

5. *Weight:* 36 Grams Maximum.

IDENTIFICATION
MARKING ON THIS
SURFACE IN $\frac{1}{16}$
CHARACTERS

SF6545-6003



RECOMMENDED
MOUNTING HOLE

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

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"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	Shock	MIL-STD-202 method 213 Cond. I (100G's)
Voltage Rating (max. vrms)	500	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°C To + 115°C)
Temperature Rating (degrees centigrade)	-65 To +105°C	Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
VSWR (max.)	1.05 + .005xFGHz	Moisture Resistance	MIL-STD-202 method 106 less step 7b
Insertion Loss (dB max.)	.05xVGHz	Barometric Pressure (Altitude)	MIL-STD-202 method 105 Cond. C (70,000 ft.) (375 vrms)
RF Leakage (min. dB down)	100dB-FGHz	Hermeticity	N/A
RF High Potential (max. vrms)	1000 AT 5MHz	Captivation (Min. Axial Force)	6 Lbs.
Dielectric Withstanding Voltage (max. vrms)	1500		
Insulation Resistance (min. megohms)	5000		
Contact Resistance			
Center Contact (max. milliohms)	1.0		
Outer Contact (max. milliohms)	0.2		
Center Contact Axial Forces			
Insertion (max. ounces)	24.0		
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.

Mouser Electronics

Authorized Distributor

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[SF6545-6027](#)