

SF6545-6003

IDENTIFICATION -
MARKING ON THIS
SURFACE IN 1/16
CHARACTERS

Technical drawing of a bolt assembly. The drawing shows a side view of a bolt passing through a panel. Key dimensions and labels include:

- Top Dimension:** $1.335 \pm .010$
- Bolt Head Label:** $\frac{9}{16}$ HEX
- Nut Label:** $\frac{3}{4}$ HEX
- Washer Label:** $\frac{5}{8}-24\text{NEF-2A}$
- Panel Thickness Dimensions:** $.145$, $.143$, and $.18$
- Panel Thickness Label:** $\frac{1}{4}$ MAX. PANEL
- Outer Diameter Labels:** $.883$ MAX. DIA. and $.884$

.883
MAX. DIA

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.

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.

5. Weight: 36 Grams Maximum.

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 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											
—	REL. DCN F-6745	10/78	DGG	DIMENSIONS ARE IN INCHES TOLERANCES <table><tr><td>DECIMALS</td><td>FRACTIONAL</td><td>ANGULAR</td></tr><tr><td>.X ± .030</td><td></td><td>X° ± 1'0"</td></tr><tr><td>.XX ± .015</td><td>± 1/64</td><td></td></tr><tr><td>.XXX ± .005</td><td></td><td>X'X' ± 15"</td></tr></table>	DECIMALS	FRACTIONAL	ANGULAR	.X ± .030		X° ± 1'0"	.XX ± .015	± 1/64		.XXX ± .005		X'X' ± 15"	MATERIAL	TITLE
DECIMALS	FRACTIONAL	ANGULAR																
.X ± .030		X° ± 1'0"																
.XX ± .015	± 1/64																	
.XXX ± .005		X'X' ± 15"																
A	REV. F-8482	8/21	(22)	FINISH	PN. JACK FOR .141 DIA. SEMI RIGID CABLE													
				DRAWN. P. 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

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