



DESIGNED FOR USE WITH .141 SR CABLE	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.144 (3.66)
CONTACT	.037 (0.94)

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
05 ₁	SEE GEN ECN 80-0084	T.M.C. 3-11-82	G.M. 3-11-82
05 ₂	UPDATED AND REDRAWN IN CAD PER ECN 88-0678; ADDED ELECTRICAL MECHANICAL AND ENV. SPEC BLOCK PER ECN 90-0493	M.C. 4-24-91	<i>DRS</i> 4-24-91
05 ₃	SEE ECN 92-0289	<i>OGM</i> 5/15/92	<i>ME</i> 5/15/92
B	PER EC 0U20-0692-00	9/21/01	<i>C. Hoang</i> 9/21/01

COMPONENT	MATERIAL	FINISH
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 QQ-P-35
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BRASS PER ASTM-B-16, HALF HARD	GOLD PLATE PER MIL-G-45204
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
RETAINING RING	PHOSPHOR BRONZE PER QQ-B-750, GRADE B2	N/A

ELECTRICAL	
Nominal Impedance (Ohms)	50
Frequency Range (GHz)	DC to 18
Volt Rating (VRMS MAX)	
@ Sea Level	500
VSWR	1.06 + .007 f(GHz)
Insertion Loss (dB MAX)	.05 √f(GHz)
RF Leakage (dB MIN)	-90 @ 2-3 GHz
Corona, 70,000 Ft (VRMS MIN)	375
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level	1,500
Contact Resistance (Milliohms MAX)	
Center Contact	1.5
Outer Contact	2.0
Cable to Housing	2.0
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz)	1,000
I.R.(Megohms MIN)	5,000

MECHANICAL	
Interface Dimensions MIL-STD-348A, Fig. 304.1	
Recommended Mating Torque	12-15 LBS
Force to Engage and Disengage (In/Lbs MAX)	6.0
Cable Retention Axial Force (Lbs)	60
Torque (In/Oz)	55
Weight (Grams)	20.6

ENVIRONMENTAL	
Temperature Rating	-65°C TO +105°C
Vibration	MIL-STD-1344, Method 2005, Condition IV, 30g Peak.
Shock	MIL-STD-1344, Method 2004, Condition G
Thermal Shock	MIL-STD-1344, Method 1003, Condition A, Except High Temp 115°C
Humidity	MIL-STD-1344, Method 1002.
No measurements at high humidity. Insulation resistance shall be at least 200 megohms within 5 minutes after removal from humidity.	
.XXX = in XX.X = mm (REF)	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DATE	AMP Incorporated	
FRAC. DEC. ANGLES	6-15-67	140 Fourth Avenue	
± 1/64 ±.005 ± °	7-19-67	Waltham, MA 02451-7599	
These drawings and specifications are the property of AMP 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.	APPROD BY	AMP TITLE TYPE N STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT	
	D.NANIA		
USE ASS'Y PROCEDURE	NO. AP. 408-04915 (30-001)	SIZE B	CODE IDENT NO. 26805
		SCALE 4:1	3001-7941-00
			REV 05 ₃
			SHEET 1 OF 1