

1 2 3 4

P/N	FIG.	A (OPEN)	A (CLOSED)	B	O-RING	SPRING PRE-LOAD	SPRING RATE
-1CC		---	---	0	B S O L E T E	---	---
-2CC	1	.510	.460	.115	NOT REQ'D	1.95 lbs	15.0 lbs/in
-3CC	2	.745	.695	.115	NOT REQ'D	1.21 lbs	5.5 lbs/in
-4CC	2	.660	.610	.135	REQ'D	1.21 lbs	5.5 lbs/in
-5CC	2	1.000	.950	.135	REQ'D	1.21 lbs	5.5 lbs/in
-6CC	3	1.376	1.326	.115	NOT REQ'D	2.80 lbs	11 lbs/in
-7CC		---	---	0	B S O L E T E	---	---

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ZONE	REV	REVISIONS DESCRIPTION	DATE	BY
-	G	ECO 21514	08.07.08	DKN
-	H	ECO 24524	05/24/11	ABN
-	J	ECO 24919 (ADD NOTE 1)	9.20.11	ABN

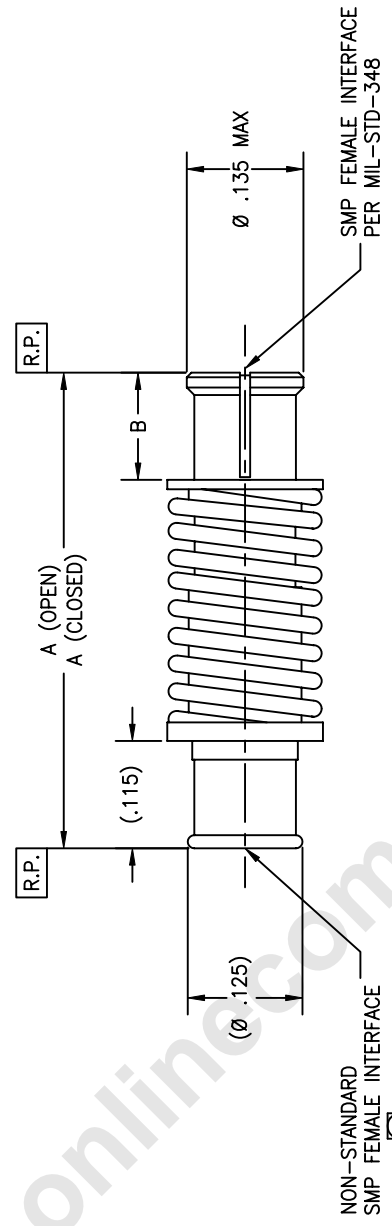


FIGURE 1

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1 Non slotted SMP Female for use with smooth bore (Standard & Catcher's mitt variants) SMP male connector only.

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Insert: 303 SST per ASTM A-582 Body & Center Conductor: BeCu alloy per ASTM B-196 Insulator: PTFE Teflon per ASTM D-1710 Spring: Stainless Steel O-ring: (see tabulation table) Silicone per MIL-G-83528	Impedance: 50 Ohms Nom. Freq. Range: DC TO 18 GHz VSWR: 1.35 max to 18 GHz Insertion Loss: .10 √f (GHz) max. Working Voltage: 335 Vrms @ Sea Level Dielectric Withstand Voltage: 500 V rms RF HiPot Voltage: 325 Vrms Min @ 5MHz Corona Level: 190 Vrms @ 70,000 ft Insulation Resistance: 5000 Mohms Contact Resistance: Center Contact: 6.0 Milliohm max. Outer Contact: 2.0 Milliohm max. R.F. Leakage: -80 dB DC to 3.0GHz -65 dB 3GHz to 18GHz	Mating Characteristics: Interface per Mil-Std-348. Force To Engage: Full Detent: 15 lbs max Limited Detent: 10 lbs max Smooth Bore: 2 lbs max Force To Disengage: Full Detent: 5 lbs min Limited Detent: 2 lbs min Smooth Bore: .5 lbs min Center Contact Retention: Axial Force: 2 pounds min. Connector Durability: 100 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu.	Temp. Range: -65°C to +165°C Thermal Shock: MIL-STD-202, Method 107, Test Cond. B Moisture Resistance: MIL-STD-202, Method 106, Insulation resistance at least 200 MegaOhms within 5 minutes after removal from humidity Corrosion: MIL-STD-202, Method 101, Test Cond. B Vibration: MIL-STD-202, Method 204, Test Cond. D Shock: Mil-Std-202, Method 213, Test Cond. I.

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FINISH:	APPLICABLE TENSILE DOCUMENTS	TOLERANCES AND NOTES	SEE NOTES	SEE NOTES
Body & Center Conductor: Gold plate per ASTM B-488 type II, code C, class 1.25 over nickel underplate per SAE AMS-QQ-N-290, class I Spring: Passivated per ASTM A-967 OR AMS-QQ-P-35 Insert: Gold plate per ASTM B-488 type II, code C, class 0.25 over nickel plate per SAE AMS-QQ-N-290, class I	WORK STD: NA PROD INST: NA ASSY INST: NA	DIMENSIONS UNLESS OTHERWISE SPECIFIED: LINEAR: XX.XX ± .015 ANGULAR: ± 1/2° FRACTION: X/Y ± .005 1. MACHINE FINISH: √/RMS 2. BREAK ALL SHARP EDGES 300 MAX. 3. MACHINED FILLETS: .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE DIMENSIONS UNLESS OTHERWISE SPECIFIED. 5. MACHINED DIAMETERS CONCENTRIC WITH DIMENSIONS TO BE MET BEFORE PLATING. 6. DIMENSIONS ARE UNLESS OTHERWISE SPECIFIED. 7. DIMENSIONS ARE UNLESS OTHERWISE SPECIFIED. 8. REMOVE PARTED EDGES ON TYPICAL. 9. REMOVE PARTED EDGES ON TYPICAL. 10. REMOVE ALL BURRS.	MATERIAL: - DATE: 01.15.99 APPROVAL INITIALS: - DRAWN BY: ATY CHECKED BY: - TEST ENGS: - QUALITY: - DESIGN ENGS: DKN MFG ENGS: PC	SIZE: - SPECIFICATION: - PROCEDURE: - CARLISLE Interconnect Technologies Cerritos, CA 90709 TITLE: SMP FEMALE BULLET SPRING LOADED STRAIGHT TO SMP FEMALE ADAPTER SCALE: 10:1 SUB-DIRECTORY: OLPXX/ SHEET 1 OF 2 CASE CODE: P922 DRAWING NO.: C 30990

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