

REVISIONS LIST				
REV	ECO #	DESCRIPTION	DATE	APV'D
		Initial Release		

SPECIFICATIONS

Mechanical

Engagement Force-Torque (Max)	.902-4.97 N-m
Disengagement Force-Torque (Min)	.113-.791 N-m
Durability	500 Cycles
Insert Retention	5.3 Kg/cm ²
Contact Retention (Min)	
20 Gauge	67 N
16 Gauge	113 N
Contact Engagement Force (Max)	
20 Gauge	5.0 N
16 Gauge	8.34 N
Contact Separation Force (Min)	
20 Gauge	.195 N
16 Gauge	.556 N

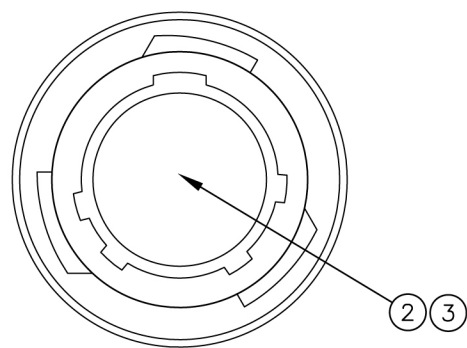
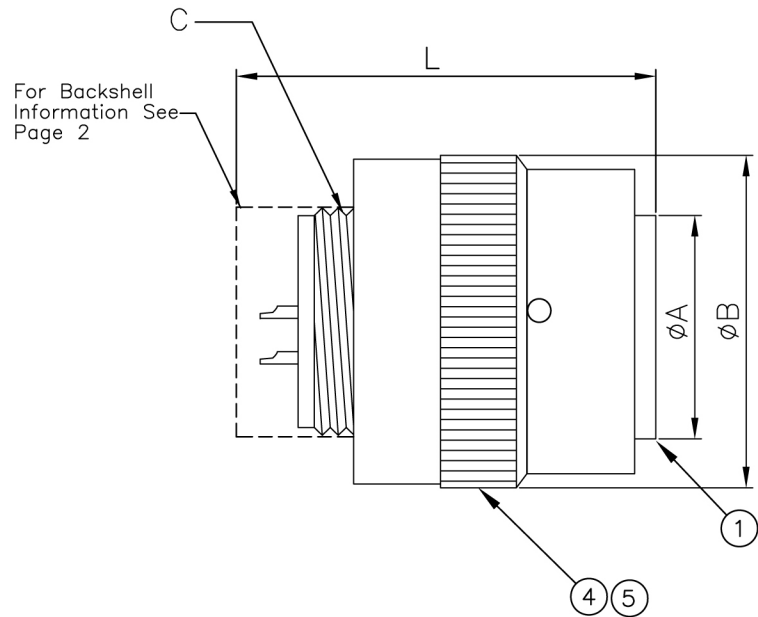
Electrical

Current Rating (Max)	
20 Gauge	7.5A
16 Gauge	22.0A
Contact Resistance	As specified in Table VII MIL-DTL-26482
Insulation Resistance (@500 VDC)	
(25°C)	5000 MΩ
Short Time (125°C)	3 MΩ
Long Time (105°C)	12 MΩ
Dielectric Withstanding Voltage (Working)	
SL (Service Rating I)	600 VAC (rms)
(Service Rating II)	1000 VAC (rms)
70,000 Ft (Service Rating I)	300 VAC (rms)
(Service Rating II)	450 VAC (rms)

Environmental

Operating Temperature	-55°C - +125°C
Air Leakage (@2.11 Kg/cm ²)	<4.55X10 ⁻³ cm ³ /s
Salt Spray (@35°C)	48 Hrs
Vibration (10-2000Hz)	12 Hrs
Shock (Peak Acceleration)	490 m/s ² (50g's)

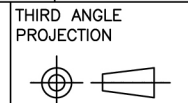
NOTE: Service Rating is identified on each insert arrangement



Shell Size	A Max	B MAX	C THREAD (UNEF2A)
8	9.09	19.86	.4375-28
10	12.34	23.52	.5625-24
12	15.19	26.49	.6875-24
14	18.36	30.05	.8125-20
16	21.54	33.15	.9375-20
18	24.08	35.33	1.0625-18
20	27.25	38.89	1.1875-18
22	30.43	42.06	1.3125-18
24	33.60	45.14	1.4375-18

No.	Name	Material/Finish	Remarks
1	Shell	Aluminum	
2	Insert	Neoprene	
3	Contact	Copper Alloy	Ni 100μ" - Au 50μ"
4	Coupling Nut	Aluminum	
5	Spring	Steel	

UNLESS NOTED TOLERANCES ARE:
.X ± 0.38
.XX ± 0.25
ANGLES ± 1°



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UNIT: mm	DRWN: RLM	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF SPI AND SHALL NOT BE COPIED, USED OR RE-PRODUCED WITHOUT PERMISSION.	TITLE MIL-DTL-26482 Straight Plug	
SCALE: NTS	DATE: 01/29/14		S P I P / N : MS3116XXX-XXXX	
	CHK'D: RLM		R E V : A	
SHEET: 1 OF 1	APV'D: RLM		C U S T O M E R P / N :	