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This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

FED. SUP CLASS			
5935			
<p>14 $\frac{11}{16}$ REF</p> <p>1 2 3 4 5 6 7 8 9 10 11</p> <p>16</p> <p>$\frac{1}{4}$ - UN - 3</p> <p>NO. 12 TO 18 AWG</p> <p>NO. 38 CONTACT CONFIGURATION</p> <p>19 HOLES EQUALLY SPACED .1078 FROM CENTER</p> <p>12 HOLES EQUALLY SPACED .710 FROM CENTER</p> <p>6 HOLES EQUALLY SPACED .370 FROM CENTER</p> <p>1.285</p> <p>.125 R</p> <p>10.6</p> <p>120</p> <p>3.5 DIA MAX.</p> <p>1.5 O.D.</p>			
FOR REFERENCE ONLY			
COMPONENT	NOMENCLATURE	ORDNANCE PART NO.	NO. REQD
1	GRIP, CABLE, WOVEN	8206675	1
2	ADAPTER	5183467	1
3	BUSHING, MOLDED	540631	1
4	SPRING, TORSION	5048702	1
5	RING, CONNECTING, ROUND	5048706	1
6	SHELL, ELECTRICAL CONNECTOR	8206542	1
7	CONTACT, ELECTRICAL	7632546	38
8	INSULATOR, DISK	7632544	1
9	INSULATOR, DISK	7632542	1
10	GASKET	7632541	1
11	COVER, ELECTRICAL CONNECTOR (RIVETED AND CEMENTED)	7632560	1
12	RING, RETAINING	5183444	1
NOTES:		PART NUMBER	
1. All dimensions in inches.		MS 27180-1	
2. Service Ratings (at sea level) = 200 DC volts. = 150 AC volts. = 30 amperes (max).			
3. For design feature purposes, this standard takes precedence over procurement documents referenced herein.			
4. Referenced documents shall be of the issue in effect on date of invitations for bid.			
Engineering Data:			
Refer to MS 27181 for matching female electrical receptacle connector.			
Refer to MS 27179 for matching female electrical plug connector.			
P.A. ORD	TITLE	MILITARY STANDARD	
Other Cust SHIPS	CONNECTOR, PLUG, ELECTRICAL- 38 CONDUCTOR TYPE 1, STYLE P, CLASS 1 (200 VDC ; 30 A)	MS 27180	
PROCUREMENT SPECIFICATION MIL-C-27699	SUPERSEDES:	SHEET 1 OF 1	