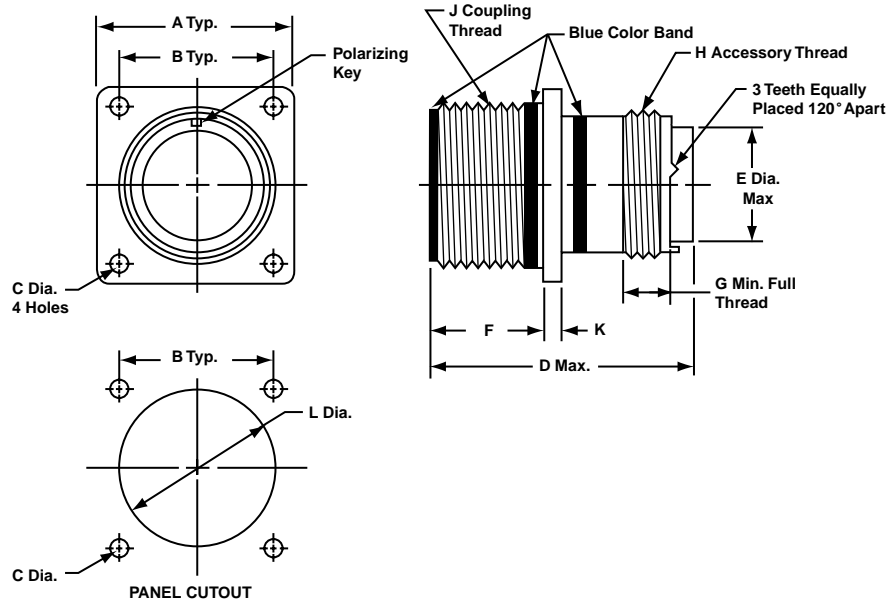


**PART #** Receptacle Shell, Flange Wall Mount, Threaded Coupling.  
 To complete, see how to order page 185

MIL-DTL-5015	Connector Type	Shell Style	Service Class	Shell Size-Insert Arrangement	Contact Type	Alternate Rotation	Modification Number
<b>Military</b>	<b>MS</b>	<b>3450</b>	<i>L</i>	<i>16S-8</i>	<i>P</i>	<i>W</i>	<b>NA</b>
<b>Commercial</b>	<b>944</b>	<b>0</b>	<i>F</i>	<i>16S-8</i>	<i>P</i>	<i>W</i>	<i>xxx</i>



Shell Size*	A ±.031	B	C Dia. +.010 - .005		D Max.		E Dia. Max.	F	G Min.	H Thread Class 2A	J Thread Class 2A	K	L Dia. ±.010
			Class A, F, R, W	Class K	Size 16 & 12 Contacts	Size 8, 4, 0 Contacts							
8S	.875	.594	.120	.150	2.031	—	.305	.593/.562	.290	.5000-20 UNEF	.5000-28 UNEF	.083	.562
10S	1.000	.719	.120	.150	2.031	—	.405	.593/.562	.290	.6250-24 UNEF	.6250-24 UNEF	.083	.688
10SL	1.000	.719	.120	.150	2.031	—	.405	.593/.562	.290	.6250-24 UNEF	.6250-24 UNEF	.083	.688
12	1.094	.812	.120	.150	2.125	—	.549	.781/.750	.290	.7500-20 UNEF	.7500-20 UNEF	.083	.812
12S	1.094	.812	.120	.150	2.031	—	.549	.593/.562	.290	.7500-20 UNEF	.7500-20 UNEF	.083	.812
14	1.188	.906	.120	.150	2.125	—	.665	.781/.750	.290	.8750-20 UNEF	.8750-20 UNEF	.083	.938
14S	1.188	.906	.120	.150	2.031	—	.665	.593/.562	.290	.8750-20 UNEF	.8750-20 UNEF	.083	.938
16	1.281	.969	.120	.150	2.125	2.500	.790	.781/.750	.290	1.0000-20 UNEF	1.0000-20 UNEF	.083	1.062
16S	1.281	.969	.120	.150	2.031	—	.790	.593/.562	.290	1.0000-20 UNEF	1.0000-20 UNEF	.083	1.062
18	1.375	1.062	.120	.177	2.125	2.500	.869	.781/.750	.290	1.0625-18 UNEF	1.1250-18 UNEF	.125	1.188
20	1.500	1.156	.120	.177	2.125	2.500	.994	.781/.750	.290	1.1875-18 UNEF	1.2500-18 UNEF	.125	1.312
22	1.625	1.250	.120	.177	2.125	2.500	1.119	.781/.750	.290	1.3125-18 UNEF	1.3750-18 UNEF	.125	1.438
24	1.750	1.375	.147	.177	2.125	2.500	1.244	.843/.812	.290	1.4375-18 UNEF	1.5000-18 UNEF	.125	1.562
28	2.000	1.562	.147	.177	2.125	2.500	1.465	.843/.812	.467	1.7500-18 UNS	1.7500-18 UNS	.125	1.812
32	2.250	1.750	.173	.209	2.125	2.500	1.715	.906/.875	.467	2.0000-18 UNS	2.0000-18 UNS	.125	2.062
36	2.500	1.938	.173	.209	2.125	2.500	1.930	.906/.875	.467	2.2500-16 UN	2.2500-16 UN	.125	2.312
40	2.750	2.188	.173	.209	2.125	2.500	2.145	.906/.875	.467	2.5000-16 UN	2.5000-16 UN	.125	2.562

\* Consult Amphenol, Sidney, NY for availability of shell sizes 44 and 48.

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

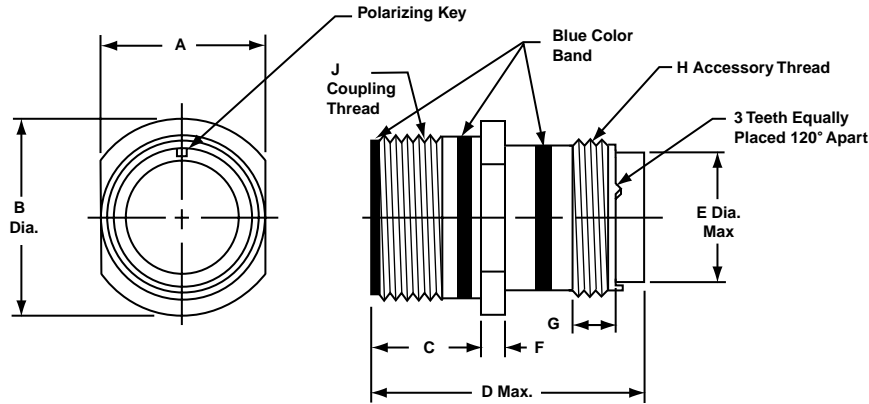
Options  
Others

MS3451, MIL-DTL-5015 Crimp Rear Release Cable Connecting Receptacle



**PART #** Receptacle Shell, Cable Connecting, Threaded Coupling.  
To complete, see how to order page 185

MIL-DTL-5015	Connector Type	Connector Style	Service Class	Shell Size- Insert Arrangement	Contact Type	Insert Rotation	Modification Number
<b>Military</b>	<b>MS</b>	<b>3451</b>	<i>L</i>	<i>16S-8</i>	<i>P</i>	<i>W</i>	<b>NA</b>
<b>Commercial</b>	<b>944</b>	<b>1</b>	<i>F</i>	<i>16S-8</i>	<i>P</i>	<i>W</i>	<i>xxx</i>



Shell Size	A	B Dia. ±.031	C	D Max.		E Dia. Max.	F ±.015	G Min.	H Thread Class 2A	J Thread Class 2A
				Size 16 & 12 Contacts	Size 8, 4, 0 Contacts					
8S	.504/.496	.729	.577/.562	2.031	-	.305	.083	.290	.5000-20 UNEF	.5000-28 UNEF
10S	.629/.621	.854	.577/.562	2.031	-	.405	.083	.290	.6250-24 UNEF	.6250-24 UNEF
10SL	.629/.621	.854	.577/.562	2.031	-	.405	.083	.290	.6250-24 UNEF	.6250-24 UNEF
12	.754/.746	.974	.765/.750	2.125	-	.549	.083	.290	.7500-20 UNEF	.7500-20 UNEF
12S	.754/.746	.974	.577/.562	2.031	-	.549	.083	.290	.7500-20 UNEF	.7500-20 UNEF
14	.879/.871	1.099	.765/.750	2.125	-	.665	.083	.290	.8750-20 UNEF	.8750-20 UNEF
14S	.879/.871	1.099	.577/.562	2.031	-	.665	.083	.290	.8750-20 UNEF	.8750-20 UNEF
16	1.005/.996	1.224	.765/.750	2.125	2.500	.790	.083	.290	1.0000-20 UNEF	1.0000-20 UNEF
16S	1.005/.996	1.224	.577/.562	2.031	-	.790	.083	.290	1.0000-20 UNEF	1.0000-20 UNEF
18	1.131/1.121	1.349	.765/.750	2.125	2.500	.869	.125	.290	1.0625-18 UNEF	1.1250-18 UNEF
20	1.256/1.246	1.474	.765/.750	2.125	2.500	.994	.125	.290	1.1875-18 UNEF	1.2500-18 UNEF
22	1.381/1.371	1.599	.765/.750	2.125	2.500	1.119	.125	.290	1.3125-18 UNEF	1.3750-18 UNEF
24	1.506/1.496	1.715	.827/.812	2.125	2.500	1.244	.125	.290	1.4375-18 UNEF	1.5000-18 UNEF
28	1.756/1.746	1.974	.827/.812	2.125	2.500	1.465	.125	.467	1.7500-18 UNS	1.7500-18 UNS
32	2.007/1.996	2.224	.890/.870	2.125	2.500	1.715	.125	.467	2.0000-18 UNS	2.0000-18 UNS
36	2.257/2.246	2.474	.890/.870	2.125	2.500	1.930	.125	.467	2.2500-16 UN	2.2500-16 UN
40	2.511/2.456	2.724	.890/.870	2.125	2.500	2.145	.125	.467	2.5000-16 UN	2.5000-16 UN

\* Consult Amphenol, Sidney, NY for availability of shell sizes 44 and 48.

38999  
III II I SJT

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

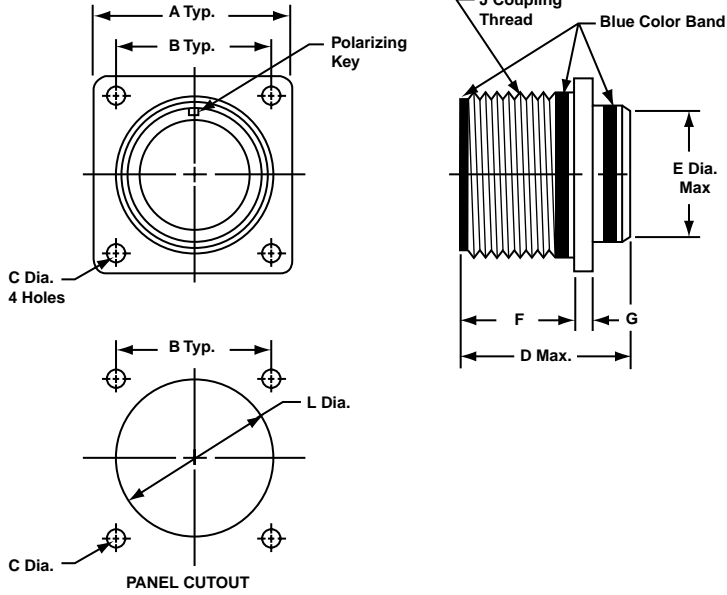
Fiber Optics

High Speed  
Contacts

Options  
Others

**PART # Receptacle Shell, Flange Mount, Threaded Coupling.**  
 To complete, see how to order page 185

MIL-DTL-5015	Connector Type	Shell Style	Service Class	Shell Size-Insert Arrangement	Contact Type	Alternate Rotation	Modification Number
<b>Military</b>	<b>MS</b>	<b>3452</b>	<i>L</i>	<i>16S-8</i>	<i>P</i>	<i>W</i>	<b>NA</b>
<b>Commercial</b>	<b>944</b>	<b>2</b>	<i>F</i>	<i>16S-8</i>	<i>P</i>	<i>W</i>	<i>xxx</i>



Shell Size*	A ±.031	B	C Dia.	D Max.		E Dia. ±.016	F	G ±.015	J Thread Class 2A	L Dia. ±.010
				Size 16 & 12 Contacts	Size 8, 4, 0 Contacts					
8S	.875	.594	.130/.115	1.662	-	.500	.578/.562	.083	.5000-28 UNEF	.562
10S	1.000	.719	.130/.115	1.662	-	.625	.578/.562	.083	.6250-24 UNEF	.688
10SL	1.000	.719	.130/.115	1.662	-	.625	.578/.562	.083	.6250-24 UNEF	.688
12	1.094	.812	.130/.115	1.662	-	.750	.765/.750	.083	.7500-20 UNEF	.812
12S	1.094	.812	.130/.115	1.662	-	.750	.578/.562	.083	.7500-20 UNEF	.812
14	1.188	.906	.130/.115	1.662	-	.875	.765/.750	.083	.8750-20 UNEF	.938
14S	1.188	.906	.130/.115	1.662	-	.875	.577/.562	.083	.8750-20 UNEF	.938
16	1.281	.969	.130/.115	1.662	1.937	1.000	.765/.750	.083	1.0000-20 UNEF	1.062
16S	1.281	.969	.130/.115	1.662	-	1.000	.577/.562	.083	1.0000-20 UNEF	1.062
18	1.375	1.062	.130/.115	1.662	1.937	1.062	.765/.750	.125	1.1250-18 UNEF	1.188
20	1.500	1.156	.130/.115	1.662	1.937	1.187	.765/.750	.125	1.2500-18 UNEF	1.312
22	1.625	1.250	.130/.115	1.662	1.937	1.312	.765/.750	.125	1.3750-18 UNEF	1.438
24	1.750	1.375	.157/.142	1.662	1.937	1.437	.827/.812	.125	1.5000-18 UNEF	1.562
28	2.000	1.562	.157/.142	1.662	1.937	1.750	.827/.812	.125	1.7500-18 UNS	1.812
32	2.250	1.750	.183/.168	1.662	1.937	2.000	.988/.875	.125	2.0000-18 UNS	2.062
36	2.500	1.938	.183/.168	1.662	1.937	2.250	.988/.875	.125	2.2500-16 UN	2.312
40	2.750	2.188	.183/.168	1.662	1.937	2.500	.988/.875	.125	2.5000-16 UN	2.562

\* Consult Amphenol, Sidney, NY for availability of shell sizes 44 and 48.

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

Fiber Optics

High Speed  
Contacts

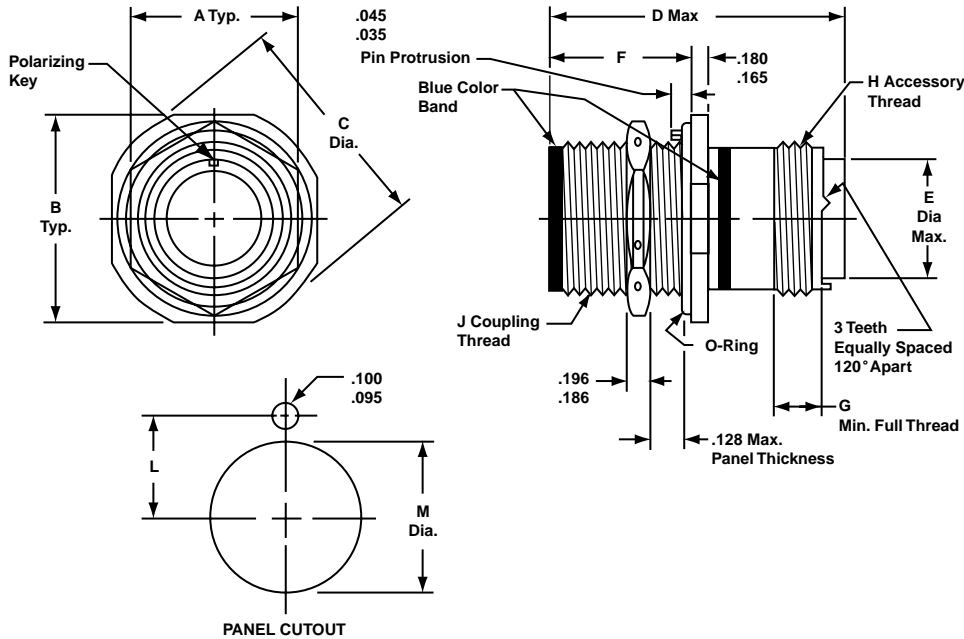
Options  
Others

# MS3454, MIL-DTL-5015 Crimp Rear Release Jam Nut Receptacle



**PART #** Receptacle Shell, Jam Nut Mount, Threaded Coupling  
To complete, see how to order page 185

MIL-DTL-5015 Connector Type	Shell Style	Service Class	Shell Size-Insert Arrangement	Contact Type	Alternate Rotation	Modification Number
<b>Military</b>	<b>MS</b>	<b>3454</b>	<b>L</b>	<b>16S-8</b>	<b>P</b>	<b>W</b>
<b>Commercial</b>	<b>944</b>	<b>4</b>	<b>F</b>	<b>16S-8</b>	<b>P</b>	<b>W</b>
						<b>NA</b>
						<b>xxx</b>



Shell Size*	A ±.010	B ±.005	C Dia. ±.005	D Max.		E Dia. Max.	F ±.005	G Min.	H Thread Class 2A	J Thread Class 2A	Panel Cutout Dimensions	
				Size 16 & 12 Contacts	Size 8, 4, 0 Contacts						L ±.005	M Dia. +.015 - .000
8S	.687	1.187	1.272	2.031	-	.305	.720	.290	.5000-20 UNEF	.5000-28 UNEF	.323	.505
10S	.812	1.312	1.397	2.031	-	.405	.720	.290	.6250-24 UNEF	.6250-24 UNEF	.385	.630
10SL	.812	1.312	1.397	2.031	-	.405	.720	.290	.6250-24 UNEF	.6250-24 UNEF	.385	.630
12	.937	1.437	1.522	2.125	-	.549	.970	.290	.7500-20 UNEF	.7500-20 UNEF	.448	.755
12S	.937	1.437	1.522	2.031	-	.549	.720	.290	.7500-20 UNEF	.7500-20 UNEF	.448	.755
14	1.125	1.562	1.647	2.125	-	.665	.970	.290	.8750-20 UNEF	.8750-20 UNEF	.510	.880
14S	1.125	1.562	1.647	2.031	-	.665	.720	.290	.8750-20 UNEF	.8750-20 UNEF	.510	.880
16	1.250	1.687	1.772	2.125	2.500	.790	.970	.290	1.0000-20 UNEF	1.0000-20 UNEF	.573	1.005
16S	1.250	1.687	1.772	2.031	-	.790	.720	.290	1.0000-20 UNEF	1.0000-20 UNEF	.573	1.005
18	1.375	1.812	1.897	2.125	2.500	.869	.970	.290	1.0625-18 UNEF	1.1250-18 UNEF	.635	1.130
20	1.500	1.937	2.022	2.125	2.500	.994	.970	.290	1.1875-18 UNEF	1.2500-18 UNEF	.698	1.255
22	1.625	2.156	2.241	2.125	2.500	1.119	.970	.290	1.3125-18 UNEF	1.3750-18 UNEF	.760	1.380
24	1.750	2.281	2.366	2.125	2.500	1.244	.970	.290	1.4375-18 UNEF	1.5000-18 UNEF	.823	1.505
28	2.000	2.531	2.616	2.125	2.500	1.465	.970	.467	1.7500-18 UNS	1.7500-18 UNS	.948	1.755
32	2.375	2.781	2.866	2.125	2.500	1.715	.970	.467	2.0000-18 UNS	2.0000-18 UNS	1.073	2.005
36	2.625	3.031	3.116	2.125	2.500	1.930	.970	.467	2.2500-16 UN	2.2500-16 UN	1.198	2.255
40	2.875	3.281	3.366	2.125	2.500	2.145	.970	.467	2.5000-16 UN	2.5000-16 UN	1.323	2.505

\* Consult Amphenol, Sidney, NY for availability of shell sizes 44 and 48.

38999 III II I SJT

26482 Matrix 2

83723 III Matrix Pyle

5015 Crimp Rear Release Matrix

26500 Pyle

Printed Circuit Board

EMI Filter Transient

Fiber Optics

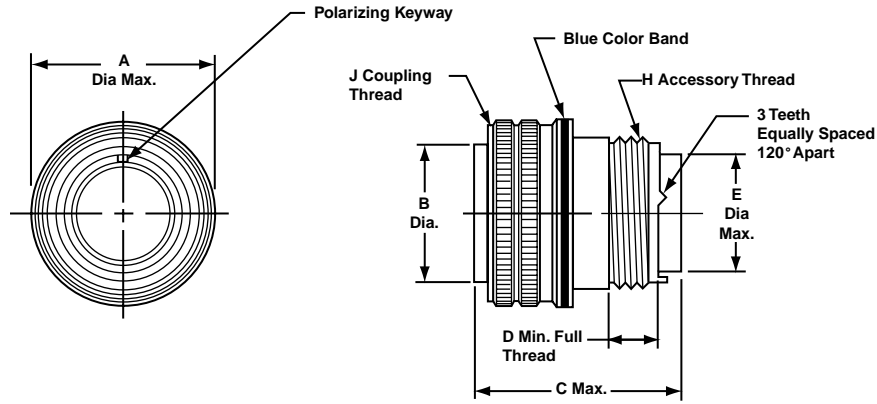
High Speed Contacts

Options Others

**PART # Plug Shell, Threaded Coupling.**

To complete, see how to order page 185

MIL-DTL-5015 Connector Type	Shell Style	Service Class	Shell Size-Insert Arrangement	Contact Type	Alternate Rotation	Modification Number	
<b>Military</b>	<b>MS</b>	<b>3456</b>	<i>L</i>	<i>16S-8</i>	<i>P</i>	<i>W</i>	<b>NA</b>
<b>Commercial</b>	<b>944</b>	<b>6</b>	<i>F</i>	<i>16S-8</i>	<i>P</i>	<i>W</i>	<i>xxx</i>



Shell Size*	A Dia. Max.	B Dia. ±.005	C Max.		D Min.	E Dia. Max.	H Thread Class 2A	J Thread Class 2B
			Size 16 & 12 Contacts	Size 8, 4, 0 Contacts				
8S	.844	.360	2.031	-	.290	.305	.5000-20 UNF	.5000-28 UNEF
10S	.969	.435	2.031	-	.290	.405	.6250-24 UNF	.6250-24 UNEF
10SL	.969	.441**	2.031	-	.290	.405	.6250-24 UNF	.6250-24 UNEF
12	1.062	.550	2.125	-	.290	.549	.7500-20 UNF	.7500-20 UNEF
12S	1.062	.550	2.031	-	.290	.549	.7500-20 UNF	.7500-20 UNEF
14	1.156	.670	2.125	-	.290	.665	.8750-20 UNF	.8750-20 UNEF
14S	1.156	.670	2.031	-	.290	.665	.8750-20 UNF	.8750-20 UNEF
16	1.250	.800	2.125	2.500	.290	.790	1.0000-20 UNF	1.0000-20 UNEF
16S	1.250	.800	2.031	-	.290	.790	1.0000-20 UNF	1.0000-20 UNEF
18	1.344	.925	2.125	2.500	.290	.869	1.0625-18 UNF	1.1250-18 UNEF
20	1.469	1.045	2.125	2.500	.290	.994	1.1875-18 UNF	1.2500-18 UNEF
22	1.594	1.170	2.125	2.500	.290	1.119	1.3125-18 UNF	1.3750-18 UNEF
24	1.719	1.295	2.125	2.500	.290	1.244	1.4375-18 UNF	1.5000-18 UNEF
28	1.969	1.515	2.125	2.500	.467	1.465	1.7500-18 UNS	1.7500-18 UNS
32	2.219	1.765	2.125	2.500	.467	1.715	2.0000-18 UNS	2.0000-18 UNS
36	2.469	1.975	2.125	2.500	.467	1.930	2.2500-16 UN	2.2500-16 UN
40	2.719	2.225	2.125	2.500	.467	2.145	2.5000-16 UN	2.5000-16 UN

\* Consult Amphenol, Sidney, NY for availability of shell sizes 44 and 48.  
 \*\* Tolerance on this dimension is +.000 - .006

38999  
SJT I II III

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear Release Matrix

26500 Pyle

Printed  
Circuit Board

EMI Filter  
Transient

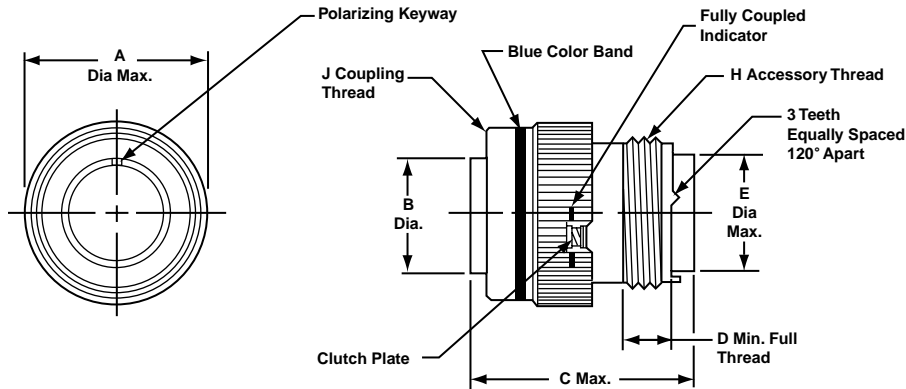
Fiber Optics

High Speed  
Contacts

Options  
Others

**PART # Plug Shell, Self-Locking, Threaded Coupling**  
To complete, see how to order page 185

MIL-DTL-5015	Connector Type	Shell Style	Service Class	Shell Size-Insert Arrangement	Contact Type	Alternate Rotation	Modification Number
<b>Military</b>	<b>MS</b>	<b>3459</b>	<i>L</i>	<i>16S-8</i>	<i>P</i>	<i>W</i>	<b>NA</b>
<b>Commercial</b>	<b>981</b>	<b>6</b>	<i>F</i>	<i>16S-8</i>	<i>P</i>	<i>W</i>	xxx



Shell Size*	A Dia. Max.	B Dia. ±.005	C Max.		D Min.	E Dia. Max.	H Thread Class 2A	J Thread Class 2B
			Size 16 & 12 Contacts	Size 8, 4, 0 Contacts				
8S	.963	.360	1.510	-	.290	.305	.5000-20 UNEF	.5000-28 UNEF
10S	1.088	.435	1.510	-	.290	.405	.6250-24 UNEF	.6250-24 UNEF
10SL	1.088	.441**	1.510	-	.290	.405	.6250-24 UNEF	.6250-24 UNEF
12	1.213	.550	1.780	-	.290	.549	.7500-20 UNEF	.7500-20 UNEF
12S	1.213	.550	1.510	-	.290	.549	.7500-20 UNEF	.7500-20 UNEF
14	1.358	.670	1.780	-	.290	.665	.8750-20 UNEF	.8750-20 UNEF
14S	1.358	.670	1.510	-	.290	.665	.8750-20 UNEF	.8750-20 UNEF
16	1.463	.800	1.780	2.500	.290	.790	1.0000-20 UNEF	1.0000-20 UNEF
16S	1.463	.800	1.510	-	.290	.790	1.0000-20 UNEF	1.0000-20 UNEF
18	1.588	.925	1.850	2.500	.290	.869	1.0625-18 UNEF	1.1250-18 UNEF
20	1.713	1.045	1.850	2.500	.290	.994	1.1875-18 UNEF	1.2500-18 UNEF
22	1.788	1.170	1.850	2.500	.290	1.119	1.3125-18 UNEF	1.3750-18 UNEF
24	1.963	1.295	1.850	2.500	.290	1.244	1.4375-18 UNEF	1.5000-18 UNEF
28	2.213	1.515	1.850	2.500	.467	1.465	1.7500-18 UNS	1.7500-18 UNS
32	2.463	1.765	1.850	2.500	.467	1.715	2.0000-18 UNS	2.0000-18 UNS
36	2.713	1.975	1.850	2.500	.467	1.930	2.2500-16 UN	2.2500-16 UN
40	2.963	2.225	1.850	2.500	.467	2.145	2.5000-16 UN	2.5000-16 UN

\* Consult Amphenol, Sidney, NY for availability of shell sizes 44 and 48.  
\*\* Tolerance on this dimension is +.000 -.006

38999  
SJT

26482  
Matrix 2

83723 III  
Matrix Pyle

5015  
Crimp Rear Release Matrix

26500 Pyle

Printed Circuit Board

EMI Filter Transient

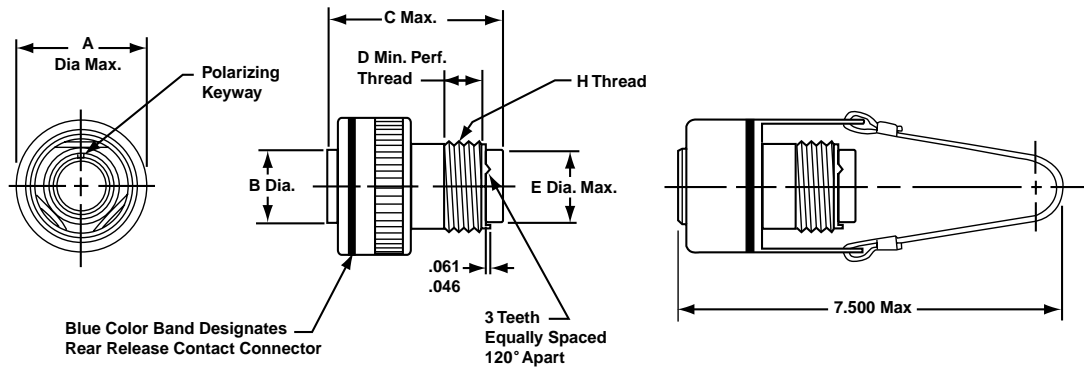
Fiber Optics

High Speed Contacts

Options Others

**PART # Plug Shell, Quick Disconnect, Push-pull Coupling**  
**To complete, see how to order page 185**

MIL-DTL-5015 Connector Type	Shell Style	Service Class	Shell Size-Insert Arrangement	Contact Type	Alternate Rotation	Modification Number	
<b>Commercial</b>	<b>981</b>	<b>7</b>	<b>L</b>	<b>16S-8</b>	<b>P</b>	<b>W</b>	<b>xxx</b>
<b>Commercial</b>	<b>981</b>	<b>8</b>	<b>F</b>	<b>16S-8</b>	<b>P</b>	<b>W</b>	<b>xxx</b>



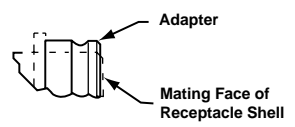
9818 Connector

9817 Connector with Lanyard

Shell Size*	A Dia. Max.	B Dia.	C Max.		D Min.	E Dia. Max.	H Thread Class 2A	Amphenol/Matrix Part Number for Adapter Ring
			Size 16 & 12 Contacts	Size 8, 4, 0 Contacts				
8S	1.087	.360	2.031	-	.290	.305	.5000-20 UNF	2500-008-0X08
10S	1.224	.435	2.031	-	.290	.405	.6250-24 UNEF	2500-008-0X10
10SL	1.224	.441	2.031	-	.290	.405	.6250-24 UNEF	2500-008-0X10
12	1.355	.550	2.125	-	.290	.549	.7500-20 UNEF	2500-008-0X12
12S	1.355	.550	2.031	-	.290	.549	.7500-20 UNEF	2500-008-0X13
14	1.482	.670	2.125	-	.290	.665	.8750-20 UNEF	2500-008-0X14
14S	1.482	.670	2.031	-	.290	.665	.8750-20 UNEF	2500-008-0X15
16	1.609	.800	2.125	2.500	.290	.790	1.0000-20 UNEF	2500-008-0X16
16S	1.609	.800	2.031	-	.290	.790	1.0000-20 UNEF	2500-008-0X17
18	1.817	.925	2.125	2.500	.290	.869	1.0625-18 UNEF	2500-008-0X18
20	1.942	1.045	2.125	2.500	.290	.994	1.1875-18 UNEF	2500-008-0X20
22	2.075	1.170	2.125	2.500	.290	1.119	1.3125-18 UNEF	2500-008-0X22
24	2.203	1.295	2.125	2.500	.290	1.244	1.4375-18 UNEF	2500-008-0X24
28	2.516	1.515	2.125	2.500	.467	1.465	1.7500-18 UNS	2500-008-0X28
32	2.735	1.765	2.125	2.500	.467	1.715	2.0000-18 UNS	2500-008-0X32
36	3.015	1.975	2.125	2.500	.467	1.930	2.2500-16 UN	2500-008-0X36
40	3.306	2.225	2.125	2.500	.467	2.145	2.5000-16 UN	2500-008-0X40

\* Consult Amphenol, Sidney, NY for availability of shell sizes 44 and 48.

**Receptacle Adapter Ring**  
 Required to mate the quick disconnect plug with receptacle. Not furnished with the quick disconnect plug and must be ordered separately.  
 Note: Use Locktite Material on the threads for a permanent installation to the shell.



**How to Order Adapter Ring**  
**Part Number**  
**2500-008-0 X XX**  
 Finish ——— Shell Size (varies from connector shell size designation, see last column of table at left)  
 0 - Electroless Nickel  
 1 - Black Anodize  
 2 - Cadmium/Olive Drab  
 3 - Stainless Steel, Passivated

38999  
SJT I II III  
26482 Matrix 2  
83723 III Matrix Pyle  
5015 Crimp Rear Release Matrix  
26500 Pyle  
Printed Circuit Board  
EMI Filter Transient  
Fiber Optics  
High Speed Contacts  
Options Others