

Amphenol® /Matrix® MS/Standard Cylindrical MIL-C-5015 Connectors with crimp rear release contacts



MS3450
wall mounting receptacle

MS3451
cable connecting receptacle

MS3452
box mounting receptacle

MS3454
jam nut receptacle

MS3456
plug with threaded coupling

MS3459
plug with self-locking coupling nut

Proprietary quick disconnect plug with/without lanyard

Amphenol broadens their MS/Standard family of connectors with the MIL-C-5015 Crimp Rear Release Series.

This series provides an alternative to the older MIL-C-5015 solder type. It bridges the gap between an old connector standard and the environmental and high performance needs of current technologies.

DESIGN CHARACTERISTICS

- Medium to heavy weight cylindrical
- MS345() series intermateable with existing MIL-C-5015 solder or crimp versions on existing equipment
- Captive coupling nut mechanism, utilizes retaining rings in combination with “L” washers to prevent inadvertent disassembly
- Multiple interlock systems ensure permanent insert retention
- Positive control of dielectric separation with guaranteed ease of contact insertion
- Positive contact retention provided by a closely toleranced damage-proof metal retention clip
- Completely sealed against environmental extremes with -
 - individual contact seals (conical risers on pin interface)
 - interfacial seals between contacts
 - peripheral gasket shell-to-shell seals
 - redundant rear wire seals and insert-to-shell seals

CUSTOMER OPTIONS

- Seven mounting styles, in shell sizes 8 to 48*
- Threaded coupling or self-locking plug (MS3459) with an internal ratcheting mechanism to prevent unmating due to vibration and shock, eliminating the need for safety wiring
- Proprietary quick disconnect plug, with or without lanyard available
- Classes include aluminum or stainless steel shells, or firewall capability
- MS and Proprietary versions available
- Some styles are supplied to McDonnell Douglas Specification BAN 7025, DC60 Series
- Accommodation of contact sizes 0 to 16
- Over 100 insert arrangement patterns available, accommodating from a minimum of 1 to a maximum of 85 circuits
- Alternate positioning available
- Thermocouple pin and socket contacts are available**

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

** Consult Amphenol, Sidney, NY for information on thermocouple contacts.

Amphenol[®] /Matrix[®] MS/Standard Cylindrical MIL-C-5015 Connectors

class descriptions, performance specifications

CLASS DESCRIPTIONS

Military MIL-C-5015	
Class L*	aluminum shell, electroless nickel finish, fluid resistant insert
Class W	aluminum shell, cadmium olive drab finish, fluid resistant insert
Class LS	stainless steel shell, passivated, fluid resistant insert
Class KT**	firewall, steel shell, cadmium olive drab finish, non-flammable hard dielectric and fluid resistant insert
Class KS	firewall, stainless steel shell, passivated, non-flammable hard dielectric and fluid resistant insert

Amphenol/Matrix	
Class A	aluminum shell, black anodize finish, fluid resistant insert
Class F	aluminum shell, electroless nickel finish, fluid resistant insert
Class W	aluminum shell, cadmium/olive drab finish, fluid resistant insert
Class FS	stainless steel shell, passivated, fluid resistant insert
Class KT	firewall, steel shell, cadmium olive drab finish, non-flammable hard dielectric and fluid resistant insert
Class KS	firewall, stainless steel shell, passivated, non-flammable hard dielectric and fluid resistant insert

* Class L inactivates older Class U (aluminum, electroless nickel)

** Class KT (ferrous alloy, cadmium/olive drab) inactivates older Class K (ferrous alloy, electroless nickel)

PERFORMANCE SPECIFICATIONS

VOLTAGE RATING

Altitude	Inst.	A	D	E	B	C
Sea Level	1000	2000	2800	3500	4500	7000
50,000 ft.	400	600	675	750	825	975
70,000 ft.	260	360	400	440	480	560
110,000 ft.	200	200	200	200	200	200

SHOCK

Wired, mated connectors are subjected to one shock in each of three mutually perpendicular axes with pulse of an approximate half sine wave of 50g magnitude for a duration of 11 milliseconds. All contacts wired in series circuit with 100 ±10 milliamperes of current flow.

OPERATING TEMPERATURE RANGE

Classes L, LS and KS have temperature range of -55°C (-75°F) to 200°C (392°F)

Classes W and KT have temperature range of -55°C (-75°F) to 175°C (347°F)

ENVIRONMENTAL SEAL

Wired, mated connectors with the specified accessory attached will meet the altitude immersion test specified in MIL-C-5015.

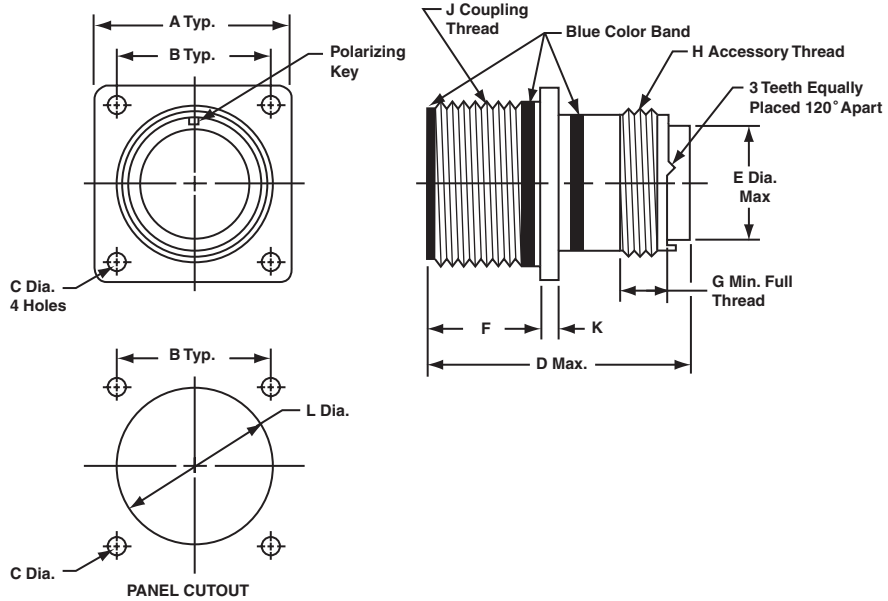
DURABILITY

Minimum of 100 mating cycles.

MS/Standard MS3450 wall mounting receptacle

Receptacle Shell, Flange Wall Mount,
Threaded Coupling

Military No. MS3450
Amphenol/Matrix No. 9440



To complete order number see how to order, page 29.

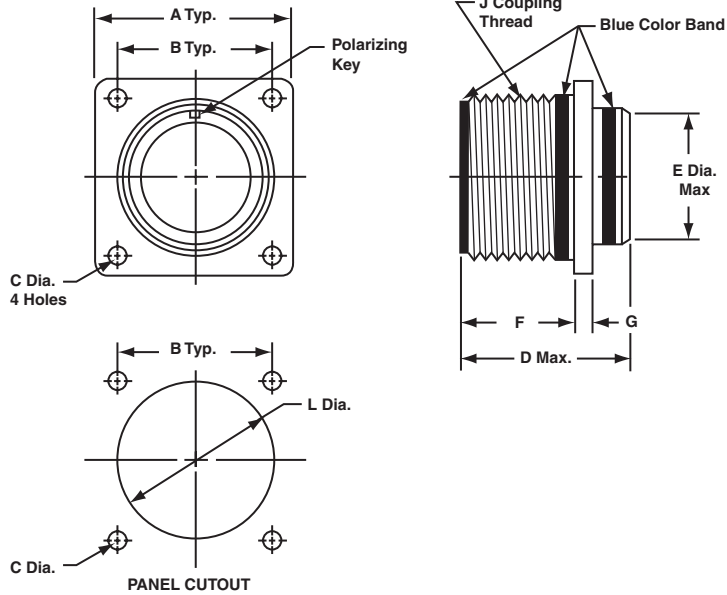
Shell Size*	A ±.031	B	C Dia. +.010 - .005		D Max.		E Dia. Max.	F	G Min.	H Thread Class 2A	J Thread Class 2A	K	L Dia. ±.010
			Class A, F, R, W	Class K	Size 16 & 12 Contacts	Size 8, 4, 0 Contacts							
8S	.875	.594	.120	.150	2.031	—	.305	.593/.562	.290	.5000-20 UNEF	.5000-28 UNEF	.083	.562
10S	1.000	.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.

MS/Standard MS3452 box mounting receptacle

Receptacle Shell, Flange Box Mount,
Threaded Coupling

Military No. MS3452
Amphenol/Matrix No. 9442



To complete order number see how to order, page 29.

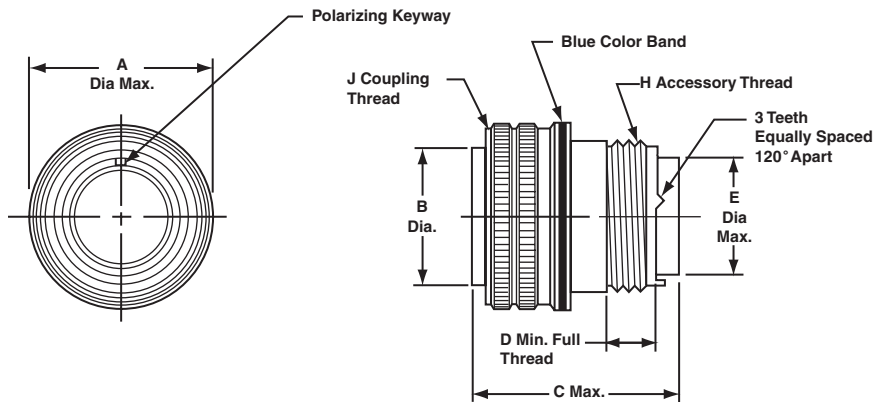
Shell Size*	A ±.031	B	C Dia.	D Max.		E Dia. ±.016	F	G ±.015	J Thread Class 2A	L Dia. ±.010
				Size 16 & 12 Contacts	Size 8, 4, 0 Contacts					
8S	.875	.594	.130/.115	1.662	—	.500	.578/.562	.083	.5000-28 UNEF	.562
10S	1.000	.719	.130/.115	1.662	—	.625	.578/.562	.083	.6250-24 UNEF	.688
10SL	1.000	.719	.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.

MS/Standard MS3456 straight plug

Plug Shell,
Threaded Coupling

Military No. MS3456
Amphenol/Matrix No. 9446



To complete order number see how to order, page 29.

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 UNEF	.6250-24 UNEF
10SL	.969	.441**	2.031	—	.290	.405	.6250-24 UNEF	.6250-24 UNEF
12	1.062	.550	2.125	—	.290	.549	.7500-20 UNEF	.7500-20 UNEF
12S	1.062	.550	2.031	—	.290	.549	.7500-20 UNEF	.7500-20 UNEF
14	1.156	.670	2.125	—	.290	.665	.8750-20 UNEF	.8750-20 UNEF
14S	1.156	.670	2.031	—	.290	.665	.8750-20 UNEF	.8750-20 UNEF
16	1.250	.800	2.125	2.500	.290	.790	1.0000-20 UNEF	1.0000-20 UNEF
16S	1.250	.800	2.031	—	.290	.790	1.0000-20 UNEF	1.0000-20 UNEF
18	1.344	.925	2.125	2.500	.290	.869	1.0625-18 UNEF	1.1250-18 UNEF
20	1.469	1.045	2.125	2.500	.290	.994	1.1875-18 UNEF	1.2500-18 UNEF
22	1.594	1.170	2.125	2.500	.290	1.119	1.3125-18 UNEF	1.3750-18 UNEF
24	1.719	1.295	2.125	2.500	.290	1.244	1.4375-18 UNEF	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

MS/Standard insert arrangements

Insert Arrangement	Service Rating	Total Contacts	Contact Size				
			0	4	8	12	16
8S-1	A	1					1
10S-2	A	1					1
10SL-3	A	3					3
10SL-4	A	2					2
12S-1	A	2					2
12S-2	A	2					2
12S-3	A	2					2
12S-4	D	1					1
12-5	D	1				1	
14S-1**	A	3					3
14S-2	Inst.	4					4
14-3	A	1			1		
14S-5	Inst.	5					5
14S-6	Inst.	6					6
14S-7	A	3					3
14S-9**	A	2					2
14S-10	Inst.	4					4
14S-11	Inst.	4					4
14S-12	A	3					3
14S-13	A	3					3
16S-1	A	7					7
16-2*	E	1				1	
16S-3*	B	1					1
16S-4*	D	2					2
16-7*	A	3			1		2
16S-8	A	5					5
16-9	A	4				2	2
16-10	A	3				3	
16-11	A	2				2	
16-12	A	1		1			
16-13	A	2				2	
18-1	A/Inst.	10					10
18-4	D	4					4
18-5	D	3				2	1
18-6*	D	1		1			
18-7*	B	1			1		
18-8	A	8				1	7
18-9	Inst.	7				2	5
18-10**	A	4				4	
18-11	A	5				5	
18-12*	A	6					6
18-13	A	4			1	3	
18-14*	A	2		1			1
18-15*	A	4				4	
18-16*	C	1				1	
18-17	Inst.	7				2	5
18-18	Inst.	7				2	5
18-19**	A	10					10
18-22**	D	3					3

Insert Arrangement	Service Rating	Total Contacts	Contact Size				
			0	4	8	12	16
18-23	A/Inst.	10					10
18-24	A/Inst.	10					10
18-27	D	3				2	1
18-28	D	3				2	1
20-2	D	1	1				
20-4	D	4				4	
20-7	D/A	8					8
20-8	Inst.	6			2		4
20-9*	D/A	8				1	7
20-14	A	5			2	3	
20-15	A	7				7	
20-16	A	9				2	7
20-17	A	6				5	1
20-18	A	9				3	6
20-19	A	3			3		
20-21	A	9				1	8
20-22	A	6			3		3
20-24	A	4			2		2
20-27	A	14					14
20-29	A	17					17
20-32	D/A	8					8
20-33	A	11					11
22-2	D	3			3		
22-4**	A	4			2	2	
22-5	D	6				2	4
22-6*	D	3			2		1
22-7*	E	1	1				
22-9*	E	3				3	
22-10*	E	4					4
22-11*	B	2					2
22-12*	D	5			2		3
22-14	A	19					19
22-15*	E/A	6				5	1
22-17*	D/A	9				1	8
22-18*	D/A	8					8
22-19	A	14					14
22-21	A	3	1				2
22-22	A	4			4		
22-23	D/A	8				8	
22-27*	D/A	9			1		8
22-30	A	19					19
22-32	D	6				2	4
22-36*	D/A	8				8	
24-1**	D	2	1			1	
24-2	D	7				7	
24-4*	D	4	1				3
24-5**	A	16					16
24-6*	D/A	8				8	

* Consult Amphenol, Sidney, NY for availability

** Inactive for new design

MS/Standard insert arrangements

Insert Arrangement	Service Rating	Total Contacts	Contact Size				
			0	4	8	12	16
24-7	A	16				2	14
24-10	A	7			7		
24-11	A	9			3	6	
24-12	A	5		2		3	
24-15	A	16					16
24-16*	D/A	7			1	3	3
24-20	D	11				2	9
24-21*	D	10			1		9
24-22	D	4			4		
24-24	A	16					16
24-27*	E	7					7
24-28	Inst.	24					24
24-80*	Inst.	23					23
28-1	D/A	9			3	6	
28-2	D	14				2	12
28-3*	E	3			3		
28-4*	E/D	9				2	7
28-5*	D	5		2		1	2
28-8*	E/D/A	12				2	10
28-9	D	12				6	6
28-10	D/A	7		2	2	3	
28-11	A	22				4	18
28-12	A	26					26
28-13	A	26					26
28-15	A	35					35
28-16*	A	20					20
28-17	B/D/A	15					15
28-18*	C/D/A/Inst.	12					12
28-19*	B/D/A	10				4	6
28-20	A	14				10	4
28-21	A	37					37
28-22	D	6		3			3
32-1	E/D	5	2			3	
32-2*	E	5		3			2
32-3*	D	9	1	2		2	4
32-6	A	23		2	3	2	16
32-7	Inst./A	35				7	28
32-9	D	14		2			12
32-13	D	23				5	18
32-15	D	8	2			6	
32-16	A	23		2	3	2	16
32-17	D	4		4			
32-19*	E/D	5	2			3	
32-20	A	23		2	3	2	16

Insert Arrangement	Service Rating	Total Contacts	Contact Size				
			0	4	8	12	16
32-22*	A	54					54
32-63	D	5		5			
32-73	A	46					46
36-3	D	6	3			3	
36-5	A	4	4				
36-6	A	6	2	4			
36-7	A	47				7	40
36-8	A	47				1	46
36-9	A	31		1	2	14	14
36-10	A	48					48
36-11	A	48					48
36-12	A	48					48
36-15	D/A	35					35
36-16	A	47				7	40
36-17	A	47				7	40
36-18	A	31		1	2	14	14
36-21	A	31		1	2	14	14
36-52	A	52					52
36-66*	A	56				4	52
40-1	D	30				6	24
40-2*	D	23					23
40-3*	D	23		1		4	18
40-4*	D	23		2	3	2	16
40-5*	A	15	3	2	4	6	
40-6*	D	26	1			1	24
40-7*	A/D	22	2			2	18
40-9	A	47			1	22	24
40-10*	A	29		4	9		16
40-11*	D	25	1	1	1	4	18
40-56*	A	85					85
40-62*	A	60					60

* Consult Amphenol, Sidney, NY for availability

** Inactive for new design

MS/Standard contact arrangements

front face of pin insert or rear face of socket insert illustrated

Insert Arrangement	8S-1	10S-2	10SL-3	10SL-4	12S-1	12S-2	12S-3
Service Rating	A	A	A***	A	A	A	A
Number of Contacts	1	1	3	2	2	2	2
Contact Size	16	16	16	16	16	16	16

Insert Arrangement	12S-4	12-5	14S-1**	14S-2	14-3	14S-5	14S-6
Service Rating	D	D	A	Inst.	A	Inst.	Inst.
Number of Contacts	1	1	3	4	1	5	6
Contact Size	16	12	16	16	8	16	16

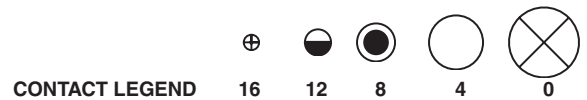
Insert Arrangement	14S-7	14S-9**	14S-10	14S-11	14S-12	14S-13
Service Rating	A	A	Inst.	Inst.	A	A
Number of Contacts	3	2	4	4	3	3
Contact Size	16	16	16	16	16	16

Insert Arrangement	16S-1	16-2*	16S-3*	16S-4*	16-7*	16S-8
Service Rating	A	E	B	D	A	A
Number of Contacts	7	1	1	2	1 2	5
Contact Size	16	12	16	16	8 16	16

* Consult Amphenol, Sidney, NY for availability.

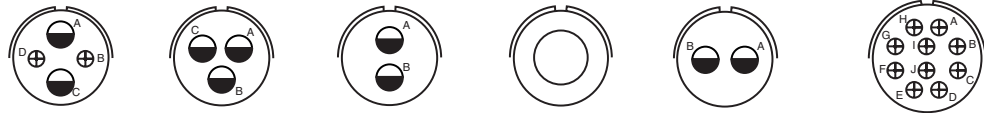
** Inactive for new design

*** Service rating Inst. Class K



MS/Standard contact arrangements

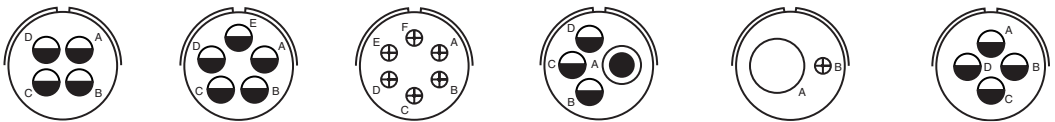
front face of pin insert or rear face of socket insert illustrated



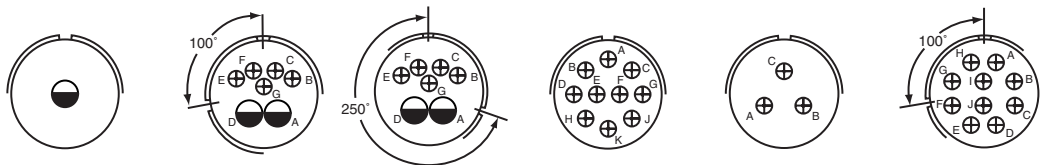
Insert Arrangement	16-9	16-10	16-11	16-12	16-13	18-1
Service Rating	A	A	A	A	A	B, C, F, G = A; Bal. = Inst.
Number of Contacts	2 2	3	2	1	2††	10
Contact Size	12 16	12	12	4	12	16



Insert Arrangement	18-4	18-5	18-6*	18-7*	18-8	18-9
Service Rating	D	D	D	B	A	Inst.
Number of Contacts	4	2 1	1	1	1 7	2 5
Contact Size	16	12 16	4	8	12 16	12 16

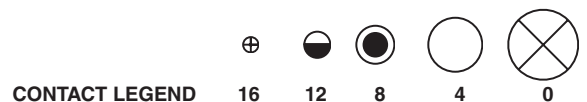


Insert Arrangement	18-10**	18-11	18-12*	18-13	18-14*	18-15*
Service Rating	A	A	A	A	A	A
Number of Contacts	4	5	6	1 3	1 1	4††
Contact Size	12	12	16	8 12	4 16	12



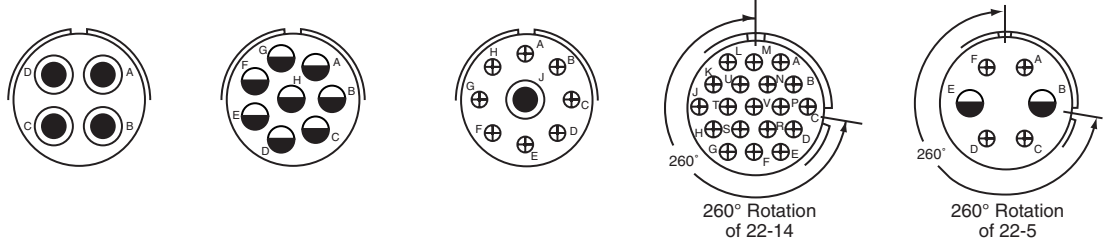
Insert Arrangement	18-16*	18-17	18-18	18-19**	18-22**	18-23
Service Rating	C	Inst.	Inst.	A	D	B, C, F, G = A; Bal. = Inst.
Number of Contacts	1	2 5	2 5	10	3	10
Contact Size	12	12 16	12 16	16	16	16

* Consult Amphenol, Sidney, NY for availability.
 ** Inactive for new design
 † one alumel contact and one chromel contact
 †† A, C = Iron; B, D = Constantan

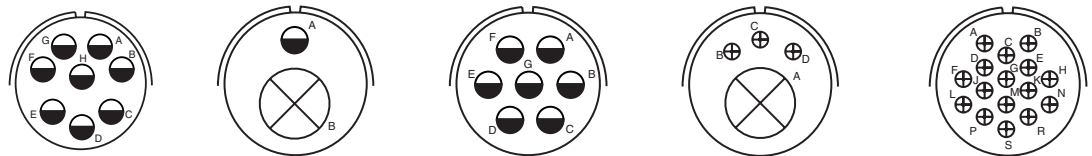


MS/Standard contact arrangements

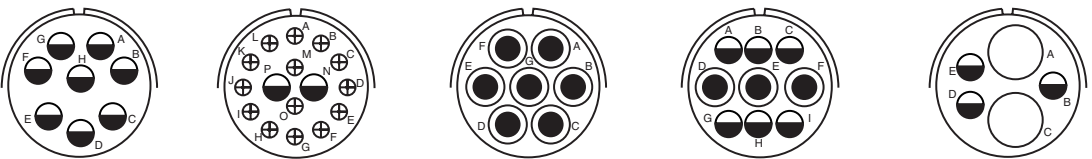
front face of pin insert or rear face of socket insert illustrated



Insert Arrangement	22-22	22-23	22-27*	22-30	22-32
Service Rating	A	H = D; Bal. = A	J = D; Bal. = A	A	D
Number of Contacts	4	8	1 8	19	2 4
Contact Size	8	12	8 16	16	12 16



Insert Arrangement	22-36*	24-1**	24-2	24-4*	24-5**
Service Rating	H = D; Bal. = A	D	D	D	A
Number of Contacts	8	1 1	7	1 3	16
Contact Size	12	0 12	12	0 16	16



Insert Arrangement	24-6*	24-7	24-10	24-11	24-12
Service Rating	A, G, H = D; Bal. = A	A	A	A	A
Number of Contacts	8	2 14	7	3 6	2 3
Contact Size	12	12 16	8	8 12	4 12

* Consult Amphenol, Sidney, NY for availability.
** Inactive for new design



MS/Standard

how to order

HOW TO ORDER BY MILITARY PART NUMBER MIL-C-5015 CONNECTORS WITH REAR RELEASE CRIMP CONTACTS

<u>MS</u>	<u>3456</u>	<u>L</u>	<u>16S</u>	<u>-</u>	<u>8</u>	<u>P</u>	<u>W</u>
1	2	3	4	5	6	7	

- Connector Type
MS designates Military Standard
- Connector Style
THREADED COUPLING CONNECTORS
3450 wall mounting receptacle
3451 cable connecting receptacle
3452 box mounting receptacle
3454 jam nut receptacle
3456 straight plug
3459 straight plug with self-locking coupling nut
- Service Class
L aluminum shell, electroless nickel finish, fluid resistant insert
W aluminum shell, cadmium olive drab finish, fluid resistant insert
LS stainless steel shell, passivated, fluid resistant insert
KT firewall, steel shell, cadmium olive drab finish, non-flammable hard dielectric and fluid resistant insert
KS firewall, stainless steel shell, passivated, non-flammable hard dielectric and fluid resistant insert

Note: Class L inactivates older Class U.
Class K is inactive and has been replaced by Class KT for all applications.
- 4., 5. Shell size and insert arrangement - See tables on pages 11 and 12 and pattern drawings that follow.
- Contact Types
P designates pin
S designates socket
A designates less pins
B designates less sockets

Note: Use A & B only when other than a full complement of power contacts is to be installed.
- Insert Rotation
"W", "X", "Y", "Z" designate that insert is rotated in its shell from normal position. No letter required for normal (no rotation) position. See page 13 for description of alternate positions.

HOW TO ORDER BY PROPRIETARY PART NUMBER MIL-C-5015 CONNECTORS WITH REAR RELEASE CRIMP CONTACTS

<u>944</u>	<u>6</u>	<u>F</u>	<u>16S</u>	<u>-</u>	<u>8</u>	<u>P</u>	<u>W</u>	<u>***</u>
1	2	3	4	5	6	7	8	

- Connector Type
944 designates Amphenol®/Matrix® Series Number
- Connector Style
THREADED COUPLING CONNECTORS
9440 wall mounting receptacle
9441 cable connecting receptacle
9442 box mounting receptacle
9444 jam nut receptacle
9446 straight plug
9816 straight plug with self-locking coupling nut
9817 quick disconnect plug with lanyard
9818 quick disconnect plug without lanyard
- Service Class
A aluminum shell, black anodize finish, fluid resistant insert (not MIL-Spec)
F aluminum shell, electroless nickel finish, fluid resistant insert
W aluminum shell, cadmium olive drab finish, fluid resistant insert
FS stainless steel shell, passivated, fluid resistant insert
RS fluid resistant insert
KT firewall, steel shell, cadmium/olive drab finish, non-flammable hard dielectric and fluid resistant insert
KS firewall, stainless steel shell, passivated, non-flammable hard dielectric and fluid resistant insert
- 4., 5. Shell size and insert arrangement - See tables on pages 11 and 12 and pattern drawings that follow.
- Contact Types
P designates pin
S designates socket
- Insert Rotation
"W", "X", "Y", "Z" designate that insert is rotated in its shell from normal position. No letter required for normal (no rotation) position. See page 13 for description of alternate positions.
- Modification Number
Consult Amphenol, Sidney, NY for information.
For strain reliefs use the following modification codes:
(189) E-nut M85049/31 configuration
(190) Straight strain relief M85049/52 configuration
(191) 90° strain relief M85049/51 configuration