

Cable to Cable

.050"

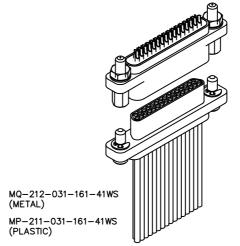
9 thru 51 Contacts

Low Profile Metal

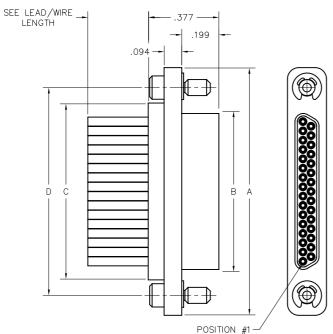
MQ

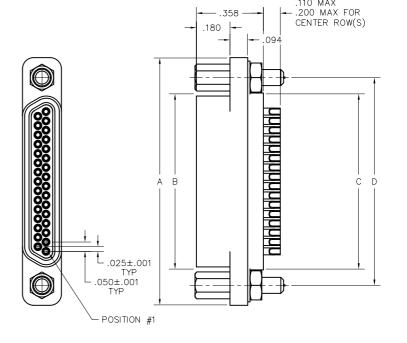
Low Profile Plastic

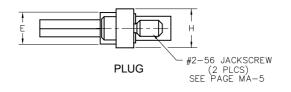
MP

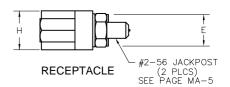


MQ-222-031-2A3-2200 (METAL) MP-221-031-2A3-2200 (PLASTIC)









					DIME	NSIONS			
	CONTACT			3			E		
SIZE	ROWS	Α	PLUG MAX	RCPT MAX	С	D	POTTING WELL MAX	Ι	HARDWARE
9		.778	.292	.378	.398	.565			
15		.928	.442	.528	.548	.715			
21	2	1.078	.592	.678	.698	.865	.173	.208	
25		1.178	.692	.778	.798	.965	.175	.200	#2-56 UNC THD (.092 DIA THRU)
31		1.328	.842	.928	.948	1.115			(.092 DIA IHKO)
37		1.478	.992	1.078	1.098	1.265			
51	3	1.428	.942	1.028	1.048	1.215	.220	.250	



PLUG: **RECEPTACLE:** MQ-222-031-2G3-4500 PLUG: MP-211-031-161-41WS **RECEPTACLE:** MP-221-031-2G3-4500

ΧX

ASP Con Profile Plastic I/O Connector (MP . 0.90° Low Profile Plastic I/O Connector (MO & NF mate with MP, MO, MR, MS plugs) A Poma (Will MF, MO, MR, MS receptacles) BODY	PLUG	RE	RECEPTACLE: CEPTACLE	MP-221-031-2G3-450 XX-XXX-XXX-XXX
ABOP nate with MP, MQ, MR, MS receptacles) AB P mate with MP, MQ, MR, MS receptacles) BODY 2. Row (Sizes 9 thru 37) 3. Row (Size 15 1) 3. A Row (Size 15 1) 4. A Row (Size 15 1) 5. B Row (Size 15 1) 5. A Row (Size 15	S	ERIES		
ASP Con Profile Plastic I/O Connector (MP . 0.90° Low Profile Plastic I/O Connector (MO & NF mate with MP, MO, MR, MS plugs) A Poma (Will MF, MO, MR, MS receptacles) BODY	MQ .050" Low Profile Metal I/O Connector	I MQ	.050" Low Profile Metal I/O Connector	'
BODY Section Sectio				
PODY 2-Row (Sizes 9 thru 37) 3-Row (Sizes 51) 3-Row (Siz				
2. Revo (Sizes 9 thru 37) 3. Revo (Size 51) 3. 3-Row (Size 51) 3. 5. Contraction (Size 51) 3. 5. Contraction (Size 51) 3. Contraction (Size 51) 3. 5. Contraction (Size 51			a m. mate marm, ma, ma, me prage,	
3-Row (Size 51) BODY STYLE: Plug, straight, with ears BODY MATERIAL: Polyphenylene Sulfide with electrodess nickel shell Polyphenylene Sulfide with electrodeposited cadmium shell I⊠ Polyphenylene Sulfide with hard anodized black shell BODY MATERIAL: Polyphenylene Sulfide with electrodeposited cadmium shell I⊠ Polyphenylene Sulfide with hard anodized black shell SIZE X 009, 015, 021, 025, 031, 037, 051 XXX 001, 015, 021, 025, 031, 037,			2 Pow (Sizon 0 thru 27)	
BODY STYLE: 2 BODY STYLE: 2 Reoptacle, straight, with ears			,	
Plug, straight, with ears 2 Receptacle, straight, with ears	3 3-Row (Size 51)	3	3-ROW (SIZE 51)	
BODY MATERIAL: Polyphenylene Sulfide (MN only) Polyphenylene Sulfide (MN only) Polyphenylene Sulfide with electrodeposited cadmium shell □ Polyphenylene Sulfide with electrodepo	BODY STYLE:	1	BODY STYLE:	
Polyphenylene Sulfide (MN only) Polyphenylene Sulfide with electroless nickel shell Polyphenylene Sulfide with electrodeposited cadmium shell ⊠ Polyphenylene Sulfide with hard anodized black shell SIZE X 009, 015, 021, 025, 031, 037, 051 XXX 009, 015, 021, 025, 031, 037, 051 SIZE X 009, 015, 021, 025, 031, 037, 051 XXX 00	I Plug, straight, with ears	2	Receptacle, straight, with ears	
Polyphenylene Sulfide (MN only) Polyphenylene Sulfide with electroless nickel shell Polyphenylene Sulfide with electrodeposited cadmium shell ⊠ Polyphenylene Sulfide with hard anodized black shell SIZE X 009, 015, 021, 025, 031, 037, 051 XXX 009, 015, 021, 025, 031, 037, 051 SIZE X 009, 015, 021, 025, 031, 037, 051 XXX 00	BODY MATERIAL:		BODY MATERIAL:	
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Polyphenylene Sulfide with electrodeposited cadmium shell ISI and summarial to the control of t	31 3 (37			shell
cadmium shell ☑ Polyphenylene Sulfide with hard anodized black shell SIZE X 099, 015, 021, 025, 031, 037, 051 XXX 099, 015, 021, 025, 031, 037, 037, 051 XXX 099, 015, 021, 025, 031, 037, 031 XXX 099, 015, 021, 025, 031, 037, 031 XXX 098, 015, 021, 025, 031, 037, 037, 031 XXX 098, 015, 021, 021, 021, 021, 021, 021, 021, 021				
Polyphenylene Sulfide with hard anodized black shell	,, , <u> </u>	١		
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XXXX 009, 015, 021, 025, 031, 037, 051 XXXX 009, 015, 021, 025, 031, 037, 035 XXXX 009, 021, 021, 021, 021, 021, 021, 021, 021			Sidok Grion	
TYPE CONTACTS/TERMINATIONS: Pin, straight, 26 awg solder cup Pin, straight, 26 awg solder cup Pin, straight, 109° Lead Length (018 dia) sex NOTE 1 Pin, straight, 110° Lead Length (018 dia) sex NOTE 1 Pin, straight, 140° Lead Length (018 dia) sex NOTE 1 Pin, straight, 140° Lead Length (018 dia) sex NOTE 1 Pin, straight, 140° Lead Length (018 dia) sex NOTE 1 Pin, straight, 150° Lead Length (018 dia) sex NOTE 1 Pin, straight, 150° Lead Length (018 dia) sex NOTE 1 Pin, straight, 150° Lead Length (018 dia) sex NOTE 1 Pin, straight, 172° Lead Length (018 dia) sex NOTE 1 Pin, straight, 172° Lead Length (018 dia) sex NOTE 1 Pin, straight, 172° Lead Length (018 dia) sex NOTE 1 Pin, straight, 172° Lead Length (018 dia) sex NOTE 1 Pin, straight, 172° Lead Length (018 dia) sex NOTE 1 Pin, straight, 172° Lead Length (018 dia) sex NOTE 1 Pin, straight, 150° Lead Length (018 dia) s		1	7.000.045.024.025.024.027.054	
TYPE CONTACTS/TERMINATIONS: Pin, straight, 26 awg solder cup Pin, straight, 190° Lead Length (018 dia) Pin, straight, 190° Lead Length (018 dia) Pin, straight, 140° Lead Length (018 dia) Pin, straight, 150° Lead Length (018 dia) Pin, straight, 150° Lead Length (018 dia) Pin, straight, 150° Lead Length (018 dia) Pin, straight, 172° Lead Length (018 dia) Pin, straight, 150° Lead Length (018 dia) Pin, strai				
Pin, straight, 26 awg solder cup Pin, straight, 126 was golder cup Pin, straight, 1.109* Lead Length (0.18 dia) Pin, straight, 1.125* Lead Length (0.18 dia) Pin, straight, 1.125* Lead Length (0.18 dia) Pin, straight, 1.150* Lead Length (0.18 dia) Pin, straight, 1.20* Lead Length (0.18 dia) Pin, straight, 1.20* Lead Length (0.18 dia) Pin, straight, 1.000* Lead Length (0.18 dia)		NIACTS		
Pin, straight, 1-99° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-196° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-140° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-140° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 2-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 2-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 2-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 2-150° Lead Length (.018 dia) SEE NOTE : Pin, straight, 1-500° Lead Leng		١,,,		
Pin, straight, 1:09* Lead Length (018 dia) set Note: 1 2D Socket, straight, 1:09* Lead Length (018 dia) 2D Socket, straight, 1:25* Lead Length (018 dia) set Note: 1 2D Socket, straight, 1:25* Lead Length (018 dia) set Note: 1 2D Socket, straight, 1:40* Lead Length (018 dia) set Note: 1 2D Socket, straight, 1:50* Lead Length (018 dia) set Note: 1 2D Socket, straight, 1:50* Lead Length (018 dia) set Note: 1 2D Socket, straight, 1:50* Lead Length (018 dia) set Note: 1 2D Socket, straight, 1:50* Lead Length (018 dia) set Note: 1 2D Socket, straight, 1:50* Lead Length (018 dia) set Note: 1 2D Socket, straight, 1:50* Lead Length (018 dia) set Note: 1 2D Socket, straight, 1:50* Lead Length (018 dia) 2D Socket, straight, 1:50* Lead Length (018				
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Pin, straight, 140" Lead Length (018 dia) see Note 1 Pin, straight, 150" Lead Length (018 dia) see Note 1 Pin, straight, 150" Lead Length (018 dia) see Note 1 Pin, straight, 172" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 100" Lead Length (018 dia) see Note 1 Pin, straight, 100" Lead Length (018 dia) see Note 1 Pin, straight, 100" Lead Length (018 dia) see Note 1 Pin, straight, 100" Lead Length (018 dia) see Note 1 Pin, straight, 100" Lead Length (018 dia) see Note 1 Pin, straight, 100" Lead Length (018 dia) see Note 1 Pin, straight, 100" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 500" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length (018 dia) see Note 1 Pin, straight, 187" Lead Length			, , ,	
Pin, straight, 156" Lead Length (1018 dia) see Note 1 Pin, straight, 156" Lead Length (1018 dia) see Note 1 Pin, straight, 156" Lead Length (1018 dia) see Note 1 Pin, straight, 187" Lead Length (1018 dia) see Note 1 Pin, straight, 187" Lead Length (1018 dia) see Note 1 Pin, straight, 250' Lead Length (1018 dia) see Note 1 Pin, straight, 250' Lead Length (1018 dia) see Note 1 Pin, straight, 500' Lead Length (1018 dia) see Note 1 Pin, straight, 500' Lead Length (1018 dia) see Note 1 Pin, straight, 500' Lead Length (1018 dia) see Note 1 Pin, straight, 500' Lead Length (1018 dia) see Note 1 Pin, straight, 1.000' Lead Length (1018 dia) see No			, , ,	
Pin, straight, .158° Lead Length (.018 dia) set NOTE 1 Pin, straight, .172° Lead Length (.018 dia) set NOTE 1 Pin, straight, .187° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .375° Lead Length (.018 dia) set NOTE 1 Pin, straight, .375° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .100° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, straight, .250° Lead Length (.018 dia) set NOTE 1 Pin, strai				
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Pin, straight, .250' Lead Length (.018 dia) see NoTE 1 Pin, straight, .250' Lead Length (.018 dia) see NoTE 1 Pin, straight, .300' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) see NoTE 1 Pin, straight, .500' Lead Length (.018 dia) See NoTE 1 Pin, straight, .500' Lead Length (.018 dia) See NoTE 1 Pin, straight, .500' Lead Length (.018 dia) See NoTE 1 Pin, straight, .500' Lead Length (.018 dia) See NoTE 1 Pin, straight, .500' Lead Length (.018 dia) See NoTE 1 Pin, straight, .500' Lead Length (.018 dia) See NoTE 1 Pin, straight, .500' Lead Length (.018 dia) See NoTE 1 Pin, straight, .500' Lead Length (.018 dia) See NoTE 1 Pin, straight, .500' Lead Length (.018 dia) See NoTE 1 Pin, straight, .500' Lead Length (.018 dia) See NoTE 1 Pin, straight, .500' Lead Length (.018 dia) Pin, straight, .500'			, , ,	
Pin, straight, 375" Lead Length (.018 dia) see Note 1 Pin, straight, 500" Lead Length (.018 dia) see Note 1 Pin, straight, 1.000" Lead Length (.018 dia) see Note 1 Pin, straight, crimped wire Pin, straight, cromped wire Pin A	, , , , , , , , , , , , , , , , , , , ,			
Pin, straight, 500° Lead Length (.018 dia) SEENOTE 1 Pin, straight, 1.000° Lead Length (.018 dia) Pin, straight, crimped wire Pin, straight, converted the specific properties of the second pr				
Pin, straight, 1.000° Lead Length (.018 dia) see Note 1 Pin, straight, crimped wire 24 Socket, straight, 1.000° Lead Length (.018 dia) 25 Socket, straight, 1.000° Lead Length (.018 dia) 26 Socket, straight, 1.000° Lead Length (.018 dia) 27 Socket, straight, 1.000° Lead Length (.018 dia) 28 Socket, straight, 1.000° Lead Length (.018 dia) 29 Socket, straight, 1.000° Lead Length (.018 dia) 20 Socket, straight, 1.000° Lead Length (.018 dia) 21 Socket, straight, 1.000° Lead Length (.018 dia) 22 Socket, straight, 1.000° Lead Length (.018 dia) 23 Socket, straight, 1.000° Lead Length (.018 dia) 24 Socket, straight, 1.000° Lead Length (.018 dia) 25 Socket, straight, 1.000° Lead Length (.018 dia) 26 Socket, straight, 1.000° Lead Length (.018 dia) 27 Socket, straight, 1.000° Lead Length (.018 dia) 28 Socket, straight, 1.000° Lead Length (.018 dia) 29 Socket, straight, 1.000° Lead Length (.018 dia) 20 Socket, straight, 1.000° Lead Length (.018 dia) 21 Socket, straight, 1			, , ,	
Pin, straight, crimped wire 24 Socket, straight, .500" Lead Length (.018 dia) see Note 1 25 Socket, straight, 1.000" Lead Length (.018 dia) see Note 1 26 Socket, straight, crimped wire PLATING OPTIONS: 50 μ" Au contacts (crimp wire) 50 μ" Au contacts (solder cup, pigtail) 50 μ" Au contacts (solder cup, pigtail) 50 μ" Au contacts; SAC305 terminations □ 50 μ" Au				
25 Socket, straight, 1,000" Lead Length (.018 dia) see NOTE 1 26 Socket, straight, crimped wire 27 Socket, straight, crimped wire 28 PLATING OPTIONS: 29 PLATING OPTIONS: 3 50 μ" Au contacts (crimp wire) 3 50 μ" Au contacts (solder cup, pigtail) 3 50 μ" Au contacts; SAC905 terminations 3 50 μ" Au contacts; SAC305 terminations 3 50 μ" Au contacts;			, , ,	
PLATING OPTIONS: 50 μ" Au contacts (crimp wire) 1 50 μ" Au contacts (solder cup, pigtail) 50 μ" Au contacts; Sn/Pb alloy terminations ☑ 50 μ" Au contacts; Sn/Pb alloy terminations ☑ 7 50 μ" Au contacts; Sn/Pb alloy terminations ☑ 2 10 μπ alloy terminations ☑ 2 10 μπ al	16 Pin, straight, crimped wire			
PLATING OPTIONS: 50 μ" Au contacts (crimp wire) 50 μ" Au contacts (solder cup, pigtail) 50 μ" Au contacts (solder cup, pigtail) 50 μ" Au contacts; SAC305 terminations ☑ 50 μ" Au contacts; SAC305 terminations HARDWARE STYLE OF HARDWARE: None 100 None 100 None 101 None 102 Two fixed jacknut assemblies (62*) 11 Two turning jackscrews, allen head, retaining ring (81*) 11 Two long turning jackscrews, allen head, retaining ring (82*) 12 Two turning jackscrews, slot head, retaining ring (83*) 13 50 μ" Au contacts; (solder cup, pigtail) 15 0 μ" Au contacts; (solder cup, pigtail) 15 0μ μα contacts sambles (solder cup, pigtail) 15 0μ μα contacts sambles (solder up, pigtail) 15 0μ μα contacts sambles (solder up, pigtail) 15 0				a) SEE NOTE 1
50 μ" Au contacts (crimp wire) 50 μ" Au contacts (solder cup, pigtail) 50 μ" Au contacts (solder cup, pigtail) 50 μ" Au contacts (solder cup, pigtail) 50 μ" Au contacts; SAC305 terminations Σ HARDWARE STYLE OF HARDWARE: None Two fixed jacknut assemblies (62*) Two turning jackscrews, allen head, retaining ring (81*) Two turning jackscrews, allen head, retaining ring (82*) Two turning jackscrews, slot head, retaining ring (83*) Two turning jackscrews, slot head, retaining ring (83*) Two turning jackscrews, allen head, captivated**(85*) Keying hardware, see options below. (Body material 2, 3 and 4 only) POLARIZATION / WIRING None For wiring codes, see page MA-6 for keying options XX Two turning jackscrews. See page MA-6 for keying options XX Two turning jackscrews. See page MA-6 for keying options KSXX Two fixed jacknuts and interfacial sealing gasket. See page MA-6 for keying options		- 1 20		
50 μ" Au contacts (solder cup, pigtail) 50 μ" Au contacts; Sn/Pb alloy terminations ⊠ 50 μ" Au contacts; Sn/Pb alloy terminations Ending the solution of the spin y au contacts; Sn/Pb alloy terminations	4			
50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 50 µ" Au contacts; Sn/C305 terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations ⊠ 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy terminations № 7 50 µ" Au contacts; Sn/Pb alloy alloy and terminations № 7 100 None 7 20 None 7 20 None 8 21 Two fixed jackscrews, allen head, retaining ring (81°) 8 21 Two turning jackscrews, allen head, retaining ring (82°) 9 Keying hardware, see options below. (Body material 2, 3 and 4 only) 9 None 8 22 Two fixed jackscrews, allen head, retaining ring (82°) 1 Two turning jackscrews, slot head, retaining ring (82°) 1 Two turning jackscrews, slot head, retaining ring (82°) 1 Two turning jackscrews, slot head, retaining ring (82°) 1 Two turning jackscrews, slot head, retaining ring (81°) 1 Two turning jackscrews, slot head, retainin				
### Decided to Provide the Armonic of Table 1 (Part of the Armonic				
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	** = Captive hardware is factory installed and non-remov	I	NOTE 4 The lead-	on those contacts are self

^{** =} Captive hardware is factory installed and non-removable.

NOTE 1 = The leads on these contacts are soft copper suitable for forming.



Wire Codes

NEMA HP3-EXBEB (Formerly M16878/4-24 TFE 7 strand)

	6"	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	96"	108"	120"
MIL-STD-681*	WA	WB	wc	UD	UE	WD	UG	UH	IJ	UK	UL	UM	NU	UP	υQ	UR
WHITE	WE	WF	WG	VD	VE	WH	VG	VH	VJ	VK	VL	VM	N	VP	VQ	VR
YELLOW	WJ	WK	WL			WM										

NEMA HP3-EXBDB (Formerly M16878/4-26 TFE 7 strand)

	6"	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	96"	108"	120"
MIL-STD-681*	WN	WP	WQ	YD	ΥE	WR	YG	ΥH	YJ	ΥK	YL	ΥM	ΥN	ΥP	YQ	YR
WHITE	ws	WT	WU	ZD	ZE	WV	ZG	ZH	ZJ	ZK	ZL	ZM	ZN	ZP	ZQ	ZR
YELLOW	ww	WX	WY			WZ										

NEMA HP3-EXBCB (Formerly M16878/4-28 TFE 7 strand)

	6"	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	96"	108"	120"
MIL-STD-681*	XA	ХВ	хс	1D	1E	XD	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R
WHITE	XE	XF	XG	2D	2E	XH	2G	2H	2J	2K	2L	2M	2N	2P	2Q	2R
YELLOW	XJ	XK	XL			XM										

TWISTED PAIR per NEMA WC27500-XXRC2U00 (SAE AS22759/11)

	6"	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	96"	108"	120"
24 AWG	AA	AB	AC	AD	ΑE	AF	AG	АН	AJ	AK	AL	AM	AN	AP	AQ	AR
26 AWG	ВА	ВВ	ВС	BD	BE	BF	BG	вн	BJ	ВК	BL	ВМ	BN	BP	BQ	BR

TWISTED PAIR per NEMA WC27500-XXSC2U00 (SAE AS22759/33)*** ⊠

	6"	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	96"	108"	120"
24 AWG	JA	JB	JC	JD	JE	JF	JG	J	JJ	JK	JL	JM	JN	JP	S	JR
26 AWG	KA	KB	KC	KD	KE	KF	KG	KH	KJ	KK	KL	KM	KN	KP	KQ	KR

For twisted pair wire connect charts, see page MA-9

Twisted pair wire not available on MA, MC or Hybrid connectors

^{* =} Connectors with more than 100 contacts will repeat color code after 100 colors.

^{*** =} Per M83513, corrosion has been experienced on connectors that are pre-wired with 22759/33 and stored in sealed environments. Caution should be excercised when using this wire.



Wire Codes

SAE AS22759/11-24

	6"	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	96"	108"	120"
M83513**	5A	5B	5C	5D	5E	5F	5G	5H	5J	5K	5L	5M	5N	5P	5Q	5R
MIL-STD-681*	CA	СВ	СС	CD	CE	CF	CG	СН	CJ	СК	CL	СМ	CN	СР	CQ	CR
WHITE	DA	DB	DC	DD	DE	DF	DG	DH	DJ	DK	DL	DM	DN	DP	DQ	DR

SAE AS22759/11-26

	6"	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	96"	108"	120"
M83513**	6A	6B	V1	6D	6E	V2	6G	6H	6J	6K	6L	Y6	6N	6P	6Q	6R
MIL-STD-681*	Х3	X4	W3	ED	EE	W4	EG	EH	EJ	EK	EL	EM	EN	EP	EQ	ER
WHITE	X1	X2	W1	FD	FE	W2	FG	FH	FJ	FK	FL	Y5	FN	FP	FQ	FR

SAE AS22759/33-24*** ⊠

	6"	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	96"	108"	120"
M83513**	LA	LB	LC	LD	LE	LF	LG	L	LJ	LK	LL	LM	LN	LP	LQ	LR
WHITE	MA	MB	МС	MD	ME	MF	MG	МН	MJ	MK	ML	MM	MN	MP	MQ	MR

SAE AS22759/33-26*** ⊠

	6"	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	84"	96"	108"	120"
M83513**	NA	NB	Y3	ND	NE	Y4	NG	NH	NJ	NK	NL	Y8	NN	NP	NQ	NR
WHITE	PA	РВ	Y1	PD	PE	Y2	PG	PH	PJ	PK	PL	Y7	PN	PP	PQ	PR

^{* =} Connectors with more than 100 contacts will repeat color code after 100 colors.

^{** =} Wire colors per M83513 are ten solid colors repeating.

^{*** =} Per M83513, corrosion has been experienced on connectors that are pre-wired with 22759/33 and stored in sealed environments.

Caution should be excercised when using this wire.