

1 • ROW

Strip Connectors

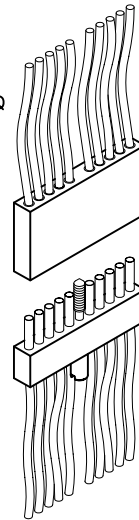
Cable to Cable

.050"

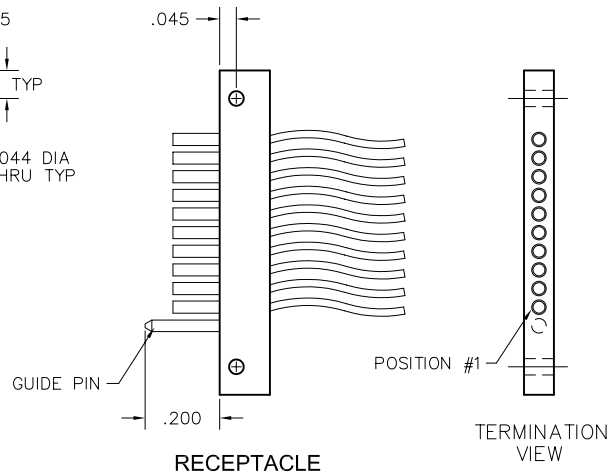
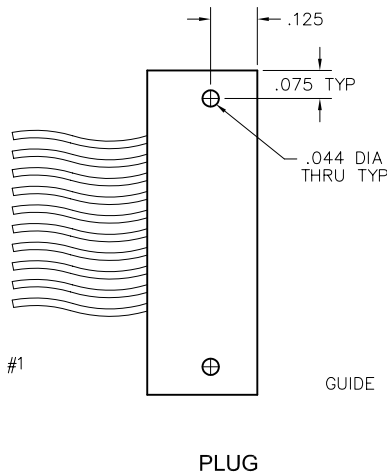
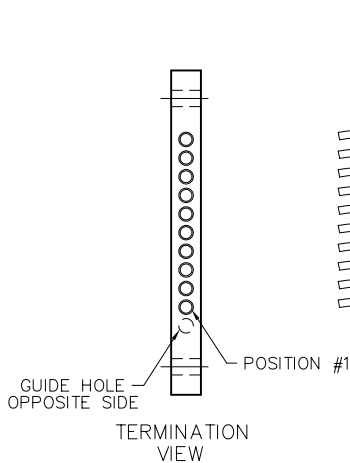
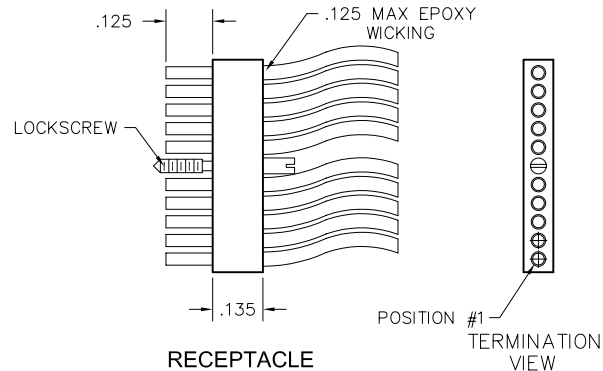
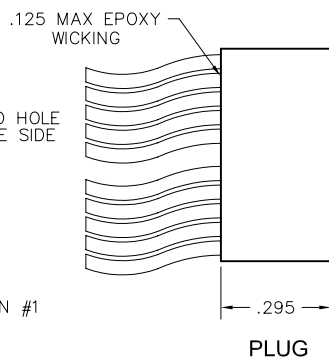
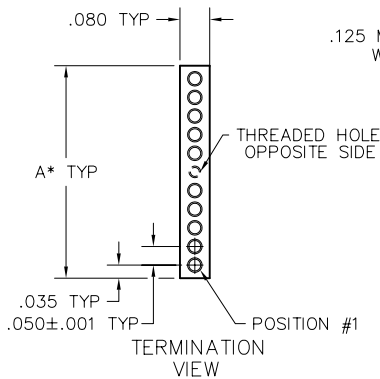
MA-1

2 thru 60 Contacts

MA-131-010-161-A69WQ



MA-141-010-261-A72WQ



OPTIONAL MOUNTING HOLES & GUIDE PIN

DIMENSIONS

To determine connector length (Dim "A"):	
Multiply the number of cavities in one row by .050"	_____ "
Add fixed end lengths (constant, .010" x 2)	_____ 0.02"
Add .150" for each mounting hole	_____ "
Total Length:	_____ "

Notes:

Length over 2" may require support to insure alignment.

When using one lock screw, use centermost available hole.

* = Maximum length is 3.020". Maximum number of contacts must be reduced to accommodate hardware and mounting holes.

PLUG: MA-131-010-161-A69WQ
RECEPTACLE: MA-141-010-261-A72WQ
 XX-XXX-XXX-XXX-XXXXX

PLUG
RECEPTACLE

SERIES

MA .050" Microminiature Strip Connector	MA .050" Microminiature Strip Connector
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BODY

1 1-Row BODY STYLE: (Material: Polyphenylene sulfide) 11 Plug, straight, with mounting holes 31 Plug, straight, without mounting holes	1 1-Row BODY STYLE: (Material: Polyphenylene sulfide) 21 Receptacle, straight, with mounting holes 41 Receptacle, straight, without mounting holes
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SIZE

XXX 002 - 060	XXX 002 - 060
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Note: Maximum number of contacts is reduced when using hardware or mounting holes. See dimension chart on M-11.

CONTACTS

TYPE CONTACTS/TERMINATIONS: 11 Pin, straight, solder cup 14 Pin, straight, .500" pigtails (.018 dia) 15 Pin, straight, 1.000" pigtails (.018 dia) 16 Pin, straight, crimped wire PLATING OPTIONS: 1 50 μ" Au contacts (crimp wire) 3 50 μ" Au contacts; 10 μ" Au terminations (solder cup, pigtail) 5 50 μ" Au contacts; Sn/Pb alloy terminations (pigtail) ☒ 7 50 μ" Au contacts; SAC305 terminations (pigtail)	TYPE CONTACTS/TERMINATIONS: 21 Socket, straight, solder cup 24 Socket, straight, .500" pigtails (.018 dia) 25 Socket, straight, 1.000" pigtails (.018 dia) 26 Socket, straight, crimped wire PLATING OPTIONS: 1 50 μ" Au contacts (crimp wire) 3 50 μ" Au contacts; 10 μ" Au terminations (solder cup, pigtail) 5 50 μ" Au contacts; Sn/Pb alloy terminations (pigtail) ☒ 7 50 μ" Au contacts; SAC305 terminations (pigtail)
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HARDWARE

STYLE OF HARDWARE: A00 None A01-A49 Latch box, side mounted (cavity number location) A50 Latch boxes (two end cavities) A64 One guide hole (centered)* A65 One guide hole (first cavity) A66 One guide hole (last cavity) A68 Two guide holes (two end cavities) A69 One threaded hole (centered)* AHX One guide hole (cavity #2 - #9) ATX One threaded hole (cavity #2 - #9) POLARIZATION / WIRING: 00 None XX For wiring codes, see pages MA-3 & MA-4	STYLE OF HARDWARE: A00 None A01-A49 Latch spring, side mounted (cavity number location) A51 Latch springs (two end cavities) A61 One guide pin (centered)* A62 One guide pin (first cavity) A63 One guide pin (last cavity) A67 Two guide pins (two end cavities) A72 One lock screw (centered)*, uninstalled APX One guide pin (cavity #2 - #9) ALX One lock screw (cavity #2 - #9), uninstalled POLARIZATION / WIRING 00 None XX For wiring codes, see pages MA-3 & MA-4
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* = To determine location, divide the total number of cavities by two and round to the next whole number, if result is a fraction. See page M-15. See MA strip guidelines, page M-15, for location examples & visual clarification.

☒ = Option not RoHS compliant



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	UJ	UK	UL	UM	UN	UP	UQ	UR
WHITE	WE	WF	WG	VD	VE	WH	VG	VH	VJ	VK	VL	VM	VN	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	YE	WR	YG	YH	YJ	YK	YL	YM	YN	YP	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	XB	XC	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	AE	AF	AG	AH	AJ	AK	AL	AM	AN	AP	AQ	AR
26 AWG	BA	BB	BC	BD	BE	BF	BG	BH	BJ	BK	BL	BM	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	JH	JJ	JK	JL	JM	JN	JP	JQ	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 exercised when using this wire.

☒ = Option not RoHS compliant

Mouser Electronics

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[MA-131-006-113-A0400](#) [MA-131-003-113-A0200](#) [MA-141-006-213-A0300](#) [MA-141-011-213-A5100](#)