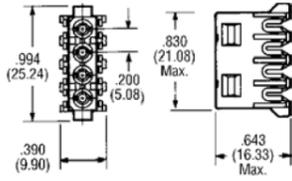


## Commercial MATE-N-LOK® and MR (Miniature Rectangular) Connectors

### Insulation Displacement Connector (IDC)



Socket Assembly (Plug)

4-circuit, in-line. UL 94 V-2 nylon. Contact Plating: Pre-tin over phosphor bronze.

Stock No.	Mfr.'s Type	No. of Circuits	Wire AWG	Color	Mates With	EACH	
						1-99	100-499
512-1408	770156-2	4	22	Red	*	.51	.46
512-1409	770156-4	4	20	Yellow	*	.51	.46
512-1411	770156-3	4	18	Orange	*	.51	.46

\*1-480426-0, 250211-1, 350211-2, and 350424-1 (Allied stocking items).

#### Tools and Dustcovers

512-9082. 58074-1. Pistol grip handle only.....	EACH	75.48
512-1414. 770232-1. Dust cap, for feed to wiring.....	EACH	.18
512-1418. 770233-1. Dust cap, for feed-thru wiring.....	EACH	.18

### PC Board Mount MATE-N-LOK®



PC board pin headers mate with free hanging socket connectors. 0.070" holes on 0.200" centers.

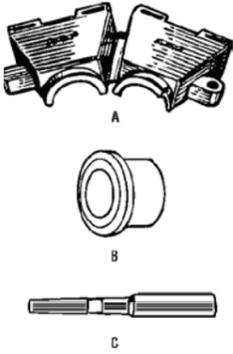
#### Positive Lock For 0.062" Thick Boards

Stock No.	Mfr.'s Type	No. of Circuits	Mates With	EACH	
				1-99	100-499
512-1428	350539-1	2	1-480720-0	.45	.41
512-1430	350541-1	3	1-480721-0	1.19	1.07
512-1432	350543-1	4	1-480722-0	.99	.89
512-1478	1-380999-0	6	1-480270-0	.70	.63
512-1480	350212-1	8	1-480283-0	.81	.73
512-1482	1-380991-0	10	1-480285-0	.96	.86
512-1419	350213-1	12	1-480287-0	2.06	1.86
512-8889	350214-1	16	1-480438-0	2.54	2.29

#### Detent Lock For 0.062" Thick Boards

Stock No.	Mfr.'s Type	No. of Circuits	Mates With	EACH	
				1-99	100-499
512-1434	350209-1	2	1-480318-0	.34	.31
512-1436	350210-1	3	1-480303-0	.54	.49
512-1438	350211-1	4	1-480424-0	.51	.46

### Strain Reliefs, Grommets, and Keying Plugs



#### Strain Reliefs MR Connectors — Fig. A

These strain reliefs can be used with either pin or socket housings. One piece — clam shell design. Material: 94 V-0 nylon, brick red color. Adapting grommets (sold separately) are flexible PVC (53/75 durometer) and are black.

Stock No.	Mfr.'s Type	No. of Circuits	I.D. (In.)	EACH		
				1-99	100-499	500-999
512-3685	350373-1	6	0.374	2.03	1.83	1.53
512-3687	350522-1	9	0.420	1.07	.97	.81
512-3689	350374-1	12	0.420	1.35	1.22	1.02
512-3691	350523-1	15	0.420	2.06	1.85	1.54
512-3693	480634-1	20	0.560	2.13	1.91	1.59
512-3695	350524-1	24	0.560	2.17	1.96	1.63
512-3697	480594-1	36	0.560	2.86	2.57	2.14

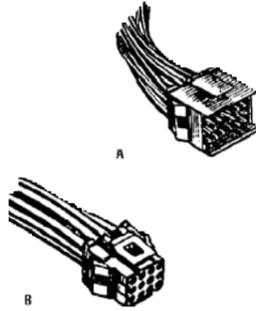
#### Black PVC Adapting Grommets (For Socket Housing Only) — Fig. B

512-3704	1-350377-0	6	0.156	.79	.71	.59
512-3706	1-350376-0	6	0.218	.84	.77	.70
512-3710	1-350380-1	9, 12, and 15	0.281	1.07	.97	.89
512-3714	1-380936-0	20, 24, and 36	0.375	.72	.66	.60
512-1454	1-380937-0	20, 24, and 36	0.312	1.38	1.24	1.04

#### Keying Plug — Fig. C

512-3670. 350591-1. 1-99.....	EACH	.52
100-499.....	EACH	.47
500-999.....	EACH	.39

### MR (Mini. Rectangular) Connectors



The housings are brick red in color (UL 94V-0 rated) and have 0.165" contact-to-contact spacing. Housings have molded-in polarization. Plugs and caps fit the same mounting hole. Contacts accept 26-18 AWG wire with insulation diameters from 0.025"-0.115". UL recognized File E28476 and CSA certified LR7189 for 250 V and 105°C operation.

#### Pin Housings (Cap) — Fig. A

Nylon, 94 V-0 rated, brick red.

Stock No.	Mfr.'s Type	No. of Pos.	EACH		
			1-99	100-499	500-999
512-3600	1-640507-0	2	.37	.33	.28
512-3602	1-640508-0	3	.54	.49	.41
512-3604	1-640509-0	4	.59	.53	.44
512-3606	1-640510-0	6	.66	.60	.50
512-3608	1-640511-0	9	.71	.64	.53
512-3610	1-640512-0	12	.79	.71	.59
512-3612	1-640513-0	15	.87	.78	.65
512-3614	1-640514-0	20	1.38	1.24	1.03
512-3616	1-640515-0	24	1.46	1.32	1.10
512-3618	1-640516-0	36	1.83	1.65	1.38

#### Socket Housings (Plug) — Fig. B

Nylon, 94 V-0 rated, brick red.

512-3616	1-640517-0	2	.27	.24	.20
512-3618	1-640518-0	3	.32	.47	.39
512-3620	1-640519-0	4	.50	.45	.37
512-3622	1-640520-0	6	.43	.39	.32
512-3624	1-640521-0	9	.64	.58	.48
512-3626	1-640522-0	12	.79	.71	.59
512-3628	1-640523-0	15	.84	.76	.63
512-3630	1-640524-0	20	1.38	1.24	1.03
512-3632	1-640525-0	24	1.47	1.32	1.10
512-3634	1-640526-0	36	1.52	1.37	1.14

### MR P.C. Board Pin Headers 0.165" Pin Spacing



Material: Housings: Nylon, 94V-0 rated, brick red. Contacts: Plated tin over 0.000050" (0.00127) nickel over contact length and matte tin on solder tail end.

Stock No.	Mfr.'s Type	No. of Pos.	Board Thickness (In.)	Plating	EACH		
					1-99	100-499	500-999
512-1423	640497-1	2	0.062	3*	.49	.44	.37
512-1424	640497-4	2	0.120	4*	1.38	1.24	1.04
512-3656	640498-1	3	0.062	3*	.73	.66	.55
512-3652	640498-2	3	0.062	4*	1.84	1.68	1.54
512-1426	640498-4	3	0.120	4*	1.84	1.68	1.54
512-3638	640499-1	4	0.062	3*	1.62	1.45	1.21
512-3654	640499-2	4	0.062	4*	2.55	2.30	1.92
512-3640	640500-1	6	0.062	3*	1.34	1.21	1.01
512-3656	640500-2	6	0.062	4*	3.16	2.87	2.63
512-1427	640500-4	6	0.120	4*	3.51	3.16	2.53
512-3642	640501-1	9	0.062	3*	1.57	1.43	1.31
512-3646	640503-1	15	0.062	3*	2.74	2.47	2.05
512-1448	640506-2	36	0.062	4*	21.27	19.14	15.95

\*3 = Phosphor bronze, pre-tin, with matte tin on solder tail; 4 = Gold, with matte tin on solder tail.

### MR Contacts



Standard Socket



Live Split Pin

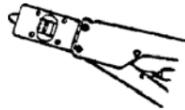
Material and Finish: Phosphor bronze, pre-tin plated or 0.000050" (0.00127) nickel over entire contact and 0.000030" (0.00076) gold in contact area. 0.008" (0.2) stock thickness.

Stock No.	Mfr.'s Type	Description	Plating	AWG	PER PKG./100		
					1-4	5-9	10-49
512-3680	640545-1	Live split pin	1*	26-18	10.06	9.06	7.55
512-3682	640545-2	Live split pin	2*	26-18	34.77	31.29	26.08
512-3684	641300-1	Socket	1*	26-18	8.62	7.76	6.47
512-3686	641300-2	Socket	2*	26-18	32.03	28.83	24.02

\*1 = Pre-tin; 2 = Gold.

### Crimping Tools and Insertion/Extraction Tools

512-9018. 90325-1. CERTI-CRIMP™ for 26-22 and 20-18 AWG wires.....	EACH	474.87
512-9158. 455822-2. Contact extraction tool.....	EACH	19.55
512-9160. 455830-1. Contact insertion tool.....	EACH	23.46
512-9019. 58514-1. PRO-CRIMPER™ for 26-18 AWG wires.....	EACH	206.55



Same Day Shipments For Product In Stock

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