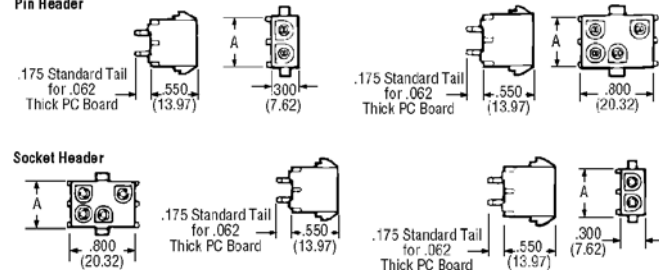


Universal MATE-N-LOK® and Universal MATE-N-LOK® II Connectors

PC Board Mount Vertical Headers

Pin Header



► Plating: 1 — Pre-Tin; 2 — 30 μ " Gold in Mating Area

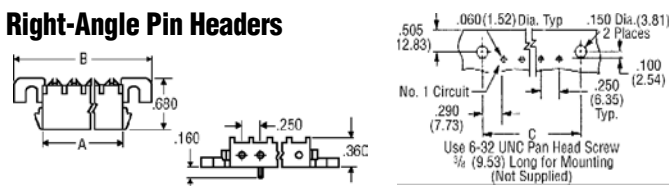
Vertical Pin Headers

In-Line Style

Stock No.	Mfr.'s Type	No. of Pos.	Plating	Housing Material	Dimensions A (In.)	Mates With*	EACH	
							1-499	500-999
512-3060	350428-1	2	1	UL 94V-2	0.550 (13.97)	1-480698-0	.27	.44
512-3073	350786-1	2	1	UL 94V-0	0.550 (13.97)	350777-1	.44	.90
512-3065	350429-1	3	1	UL 94V-2	0.800 (20.32)	1-480700-0	.35	.31
512-3074	350789-1	3	1	UL 94V-0	0.800 (20.32)	350766-1	.54	.49
512-3070	350430-1	4	1	UL 94V-2	1.050 (26.67)	1-480702-0	.45	.41
512-3106	350792-1	4	1	UL 94V-0	1.050 (26.67)	350779-1	.64	.57
512-3075	640466-1	5	1	UL 94V-2	1.300 (33.02)	1-480673-0	.69	.62
512-3107	640900-1	5	1	UL 94V-0	1.300 (33.02)	350809-1	1.02	.92
512-3108	641832-1	6	1	UL 94V-2	1.550 (39.37)	640585-1	1.61	1.45
512-3109	641825-1	8	1	UL 94V-2	2.050 (52.07)	640586-1	1.78	1.60

*Mates with plug housing part number using socket contacts.

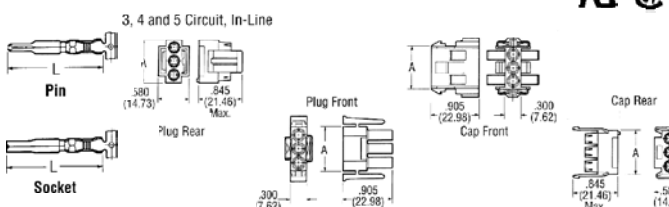
Right-Angle Pin Headers



- ▶ For 0.062 PC Board Thickness
- ▶ Housing: UL 94V-0 Rated, Nylon (White)

► **Contact Plating:** 1 — Pre-Tin; 2 — 30 μ " Gold in Mating Area

Universal MATE-N-LOK® II Connectors



- ▶ Housing Kits
- ▶ FREE Hanging or Panel Mount (Kit = 1 Front and 1 Rear)
- ▶ Ultimate Reliability
- ▶ Not for Interrupting Current
- ▶ For Use Where Repair or Replacement Would Be Difficult
- ▶ UL File No. E28476
- ▶ CSA File No. LR 16455-113
- ▶ 0.250 Centerline Spacing

Plug Housing Kits*

Stock No.	Mfr.'s Type	No. of Pos.	Layout	Dim. A (In.)	EACH		
					1-99	100-499	500-999
512-8800	770017-1	2	In-line	—	.50	.45	.38
512-8802	770018-1	3	In-line	0.800	.55	.49	.41
512-8804	770019-1	4	In-line	1.050	.62	.56	.47
512-8806	770020-1	6	Matrix	.71	.54	.52	.43
512-8808	770021-1	9	Matrix	0.800	.75	.68	.56
512-8810	770022-1	12	Matrix	1.050	1.11	1.00	.84
512-8812	770023-1	15	Matrix	1.300	1.10	1.00	.82

Cap Housing Kits*

512-8814	770024-1	2	In-line	—	.51	.46	.38
512-8816	770025-1	3	In-line	0.800	.61	.55	.46
512-8818	770026-1	4	In-line	1.050	.66	.60	.50
512-8820	770027-1	6	Matrix	—	.69	.63	.52
512-8822	770028-1	9	Matrix	0.800	.74	.67	.56
512-8824	770029-1	12	Matrix	1.050	1.51	1.36	1.13
512-8826	770030-1	15	Matrix	1.300	1.05	.94	.78

*Housing Material: UL 94V-0.

Vertical Pin Headers (continued)

Matrix Style

Stock No.	Mr.'s A Type	No. of Pos.	Plating	Housing Material	Dimensions (In.)	Mates With*	EACH	
							1-499	500-999
512-3080	350431-1	6	1	UL 94V-2	0.550 (13.97)	1-480704-0		.40
512-3112	350431-2	6	2	UL 94V-2	0.550 (13.97)	1-480708-0	3.49	3.14
512-3113	350431-2	6	2	UL 94V-0	0.550 (13.97)	350715-1	1.85	.99
512-3085	350432-1	9	1	UL 94V-2	0.800 (20.32)	1-480706-0	.81	.73
512-3116	350432-2	9	2	UL 94V-2	0.800 (20.32)	1-480706-0	4.26	3.84
512-3117	350432-3	9	1	UL 94V-0	0.800 (20.32)	350720-1	.98	.88
512-3090	350433-1	12	1	UL 94V-2	1.050 (26.67)	1-480708-0	.98	.88
512-3118	350433-1	12	1	UL 94V-0	1.050 (26.67)	350720-1	1.19	1.07
512-3095	350434-1	15	1	UL 94V-2	1.300 (33.02)	1-480710-0	1.07	.96
512-3121	350434-1	15	1	UL 94V-0	1.300 (33.02)	350736-1	1.49	1.34

*Mates with plug housing part number using socket contacts.

Vertical Socket Headers

In-Line Style

Stock No.	Mfr.'s Type	No. of Pos.	Plating	Housing Material	Dimensions (In.)	Mates With†	EACH	
							1-499	500-999
512-3130	350759-4	2	1	UL 94V-2	0.550 (13.97)	1-480698-0	.38	.34
512-3136	350760-4	3	1	UL 94V-2	0.800 (20.32)	1-480698-0	.63	.57
512-3122	350825-1	3	1	UL 94V-0	0.800 (20.32)	1-480766-1	.51	.46
512-3140	350761-4	4	1	UL 94V-2	0.560 (26.67)	1-480702-0	.43	.39
512-3123	350826-1	4	1	UL 94V-0	1.050 (26.67)	350779-1	.69	.62

Matrix Style

512-3150	350762-4	6	1	UL 94V-2	0.550 (13.97)	1-480704-0	.66	.59
512-3124	350827-1	6	1	UL 94V-0	0.550 (13.97)	350715-5	.94	.84
512-3155	350763-4	9	1	UL 94V-2	0.800 (20.32)	1-480706-0	.76	.68
512-3127	350828-1	9	1	UL 94V-0	0.800 (20.32)	350720-1	1.04	.94
512-3160	350764-4	12	1	UL 94V-2	1.050 (26.67)	1-480708-0	1.10	.99
512-3165	350765-4	15	1	UL 94V-2	1.300 (33.02)	1-480710-0	2.25	2.03

†Mates with plug housing part number using pin contacts.

Stock No.	Mfr.'s Type	No. of Pos.	Plating	Mates With*	Dimensions (In.)			EACH	
					A	B	C	1-499	500-999
512-3100	1-350942-0	2	1	350777-1	0.550	1.250	0.830	1.11	1.00
512-3105	1-350943-0	3	1	350766-1	0.800	1.495	1.080	1.13	1.02
512-3134	2-350943-0	3	1	350766-1	0.800	1.495	1.080	3.82	3.44
512-3110	1-350944-0	4	2	350779-1	1.050	1.795	1.330	1.16	1.04
512-3136	2-350944-0	4	2	350779-1	1.050	1.795	1.330	2.94	2.65
512-3115	1-350945-0	5	1	350809-1	1.300	1.995	1.580	1.39	1.25
512-3125	640584-1	8	1	640582-1	2.050	2.745	2.330	2.27	2.04
512-3138	640584-2	8	2	640582-1	2.050	2.745	2.330	5.67	5.10

*Mates with plug housing part number using socket contacts.

Contacts — Pre-Tinned Brass

Stock No.	Mfr.'s Type	Style	For Wire AWG	Ins. Dia. Range (In.)	Dim. L (In.)	PK./100	
						1-4	5-9
512-8828	770250-1	Pin	24-18	.040-.100	1.005	12.08	10.87
512-8830	770253-3†	Socket	24-18	.040-.100	0.980	13.71	12.34
512-8832	770250-1	Pin	20-14	.060-.130	1.005	9.57	8.53
512-8834	770251-3†	Socket	20-14	.060-.130	0.980	14.42	12.97
512-8836	770248-1	Pin	20-14	.130-.200	0.995	15.91	14.32
512-8838	770249-3†	Socket	20-14	.130-.200	0.980	19.24	17.35
512-8840	770246-3†	Pin	12-10	.200 max.	1.005	25.48	22.93
512-8842	770247-3†	Socket	12-10	.200 max.	0.980	25.48	22.93

Contacts — Gold Over Brass**

512-8844	770252-2	Pin	24-18	.040-.100	1.005	55.40	49.86
512-8846	770253-4	Socket	24-18	.040-.100	0.980	86.45	77.81
512-8848	770250-2	Pin	20-14	.060-.130	1.005	55.40	49.86
512-8850	770251-4	Socket	20-14	.060-.130	0.980	90.98	81.89
512-8852	770246-4	Pin	12-10	200 max.	1.005	120.84	108.75
512-8854	770247-4	Socket	12-10	200 max.	0.980	122.49	110.24

†**Contact Material:** Phosphor bronze, **30 μ m of gold over mating area.

Tooling

Stock No.	Mfr.'s Type	Description	EACH
512-9160	455830-1	Contact insertion tool	23.46
512-9007	90548-1	For contacts on 24-18 AWG wire PRO-CRIMPER™ II 0.040"-0.100" ins. dia.	182.14
512-9009	90546-1	For contacts on 20-14 AWG wire PRO-CRIMPER™ II 0.060"-0.130" ins. dia.	182.14