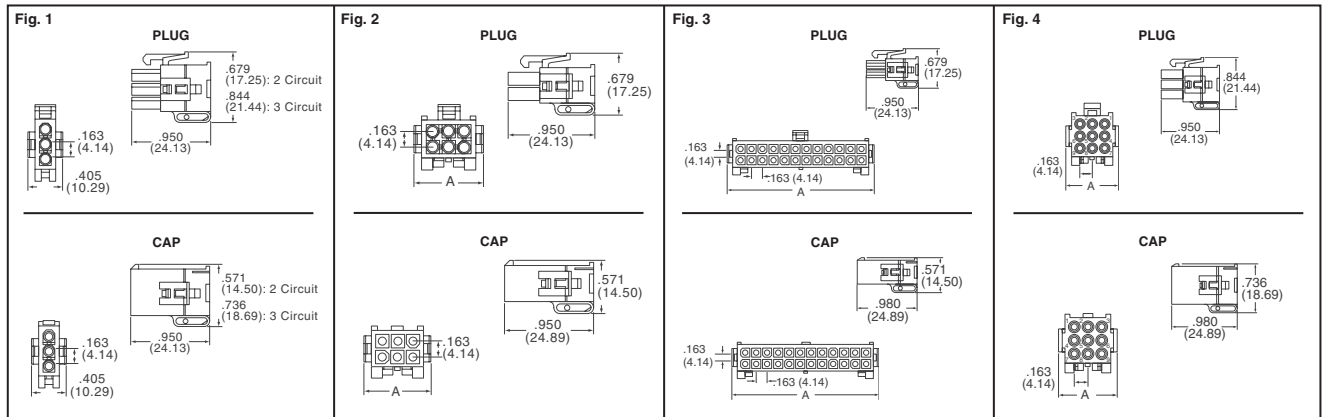


Mini-Universal MATE-N-LOK2® Features: • Pins and sockets can be intermixed in the same housing although they cannot be intermixed with standard Mini Universal Mate-N-Lok® housings • Contacts accept wire size range 30-16AWG • .163" (4.14mm) centerline spacing • Recognized under the component program of UL Inc File No. E28476

Performance Characteristics: • Dielectric Withstanding Voltage: 1500V AC or DC between adjacent circuits at sea level • Insulation Resistance: 100MΩ minimum between adjacent circuits • Voltage Rating: 600V AC or DC • Contact Retention: 20 pounds minimum per contact • Durability: 25 cycles, mating and unmating • Current Rating: Up to 10.5 amps per circuit: 2 position



Mini-Universal MATE-N-LOK2® Connectors

Fig.	No. of Circuits	Description	Dimension A Inch (mm)	Digi-Key Part No.	Price Each 1 100	AMP Part No.
.163 (4.14mm) Centerline Housing - Free Hanging, UL94V-0 White Nylon						
1	2	Plug, In-Line	—	A25654-ND	.61 .40	794184-1
		Cap, In-Line	—	A25655-ND	1.08 .70	794185-1
	3	Plug, In-Line	—	A25656-ND	.64 .42	794186-1
		Cap, In-Line	—	A25657-ND	.92 .60	794187-1
2	4	Plug, Dual Row	.571 (14.50)	A25658-ND	.73 .47	794188-1
		Cap, Dual Row	—	A25659-ND	.74 .48	794189-1
	6	Plug, Dual Row	.736 (18.70)	A25660-ND	.65 .43	794190-1
		Cap, Dual Row	—	A25661-ND	1.21 .78	794191-1
3	8	Plug, Dual Row	.899 (22.24)	A25662-ND	1.13 .73	794192-1
		Cap, Dual Row	—	A25705-ND	1.14 .74	794193-1
	10	Plug, Dual Row	1.062 (26.97)	A25663-ND	1.18 .76	794196-1
		Cap, Dual Row	—	A25708-ND	1.53 .99	794197-1
	12	Plug, Dual Row	1.225 (31.12)	A25711-ND	1.01 .65	794198-1
		Cap, Dual Row	—	A25712-ND	1.16 .75	794199-1
	14	Plug, Dual Row	1.388 (35.26)	A25664-ND	1.17 .76	794202-1
		Cap, Dual Row	—	A25713-ND	1.15 .75	794203-1

Fig.	No. of Circuits	Description	Dimension A Inch (mm)	Digi-Key Part No.	Price Each 1 100	AMP Part No.
3	16	Plug, Dual Row	1.551 (39.40)	A25716-ND	1.26 .81	794206-1
		Cap, Dual Row	—	A25717-ND	1.22 .79	794207-1
	18	Plug, Dual Row	1.714 (43.54)	A25718-ND	1.42 .91	794208-1
		Cap, Dual Row	—	A25719-ND	1.64 1.06	794209-1
	20	Plug, Dual Row	1.877 (47.68)	A25720-ND	1.58 1.02	794210-1
		Cap, Dual Row	—	A25721-ND	1.83 1.18	794211-1
	22	Plug, Dual Row	2.040 (51.82)	A25722-ND	1.74 1.12	794212-1
		Cap, Dual Row	—	A25723-ND	2.01 1.29	794213-1
4	24	Plug, Dual Row	2.203 (55.96)	A25724-ND	1.58 1.02	794214-1
		Cap, Dual Row	—	A25725-ND	2.19 1.41	794215-1
	9	Plug, Matrix	.736 (18.69)	A25706-ND	1.29 .83	794194-1
		Cap, Matrix	—	A25707-ND	1.36 .88	794195-1
	12	Plug, Matrix	.901 (22.89)	A25709-ND	1.17 .76	794200-1
		Cap, Matrix	—	A25710-ND	1.41 .91	794201-1
	15	Plug, Matrix	1.067 (27.10)	A25714-ND	3.10 2.00	794204-1
		Cap, Matrix	—	A25715-ND	1.44 .93	794205-1

Mini-Universal MATE-N-LOK2® Contacts

Specifications: • Material: Brass • Stock Thickness: .010" (.25mm)
Contact Plating: A: Brass pre-tin plated B: Duplex Finish - Plated with .000030" (.000762mm) minimum gold in mating area and .000100" (.00254mm) minimum tin-lead in crimp area over .000050" (.00127mm) minimum nickel underplate on entire contact

Wire Size (AWG)	Insulation Diameter Inch (mm)	Plating	Digi-Key Part No.	Loose Piece Pricing 1 100	AMP Part No.
Pin Contacts — Diameter .039" (0.99mm)					
30-26	.035-.050 (8.89-1.27)	A	A28800-ND	.28 9.59	794224-1
		B	A28801-ND	.50 32.26	794224-3
26-22	.047-.069 (1.19-1.75)	A	A28802-ND	.28 9.59	794226-1
		B	A28803-ND	.50 32.26	794226-3
22-18	.059-.110 (1.50-2.79)	A	A28804-ND	.17 5.81	794228-1
		B	A28805-ND	.50 32.26	794228-3
		B	A32446-ND NEW!	.50 32.26	1-794228-0
20-16	.079-.126 (2.01-3.20)	A	A28806-ND	.29 12.46	794230-1
		B	A28807-ND	.50 32.26	794230-3

Wire Size (AWG)	Insulation Diameter Inch (mm)	Plating	Digi-Key Part No.	Loose Piece Pricing 1 100	AMP Part No.
Socket Contacts					
30-26	.035-.050 (8.89-1.27)	A	A28808-ND	.28 9.59	794225-1
		B	A28809-ND	.50 32.26	794225-3
26-22	.047-.069 (1.19-1.75)	A	A28810-ND	.28 9.59	794227-1
		B	A28811-ND	.50 32.26	794227-3
22-18	.059-.110 (1.50-2.79)	A	A28812-ND	.28 9.59	794229-1
		B	A28813-ND	.50 32.26	794229-3
		B	A28814-ND	.29 12.46	794231-1
20-16	.079-.126 (2.01-3.20)	A	A28815-ND	.30 19.55	794231-3
		B	A32447-ND NEW!	.50 32.26	1-794231-0

◇ RoHS Compliant

Tools for Mini-Universal MATE-N-LOK2®

Description	Digi-Key Part No.	Price Each	AMP Part No.
Pro-Crimper III with Die Set, 30-26 AWG	A9819-ND	184.50	90870-1
Pro-Crimper III with Die Set, 26-22 AWG	A25584-ND	145.50	90758-1
Pro-Crimper III with Die Set, 22-18 AWG	A25585-ND	145.50	90759-1
Pro-Crimper III with Die Set, 20-16 AWG	A30726-ND	561.00	58707-1
Certi-Crimp Hand Tool, 22-18 AWG	A9916-ND	454.50	91522-1
Straight Action Hand Tool, 26-22 AWG	A32490-ND NEW!	477.00	91529-1

Description	Digi-Key Part No.	Price Each	AMP Part No.
Straight Action Hand Tool, 20-16 AWG	A32491-ND NEW!	742.50	91594-1
Die Set, 30-24 AWG (use with A9996-ND)	A9956-ND	139.50	90870-2
Die Set, 26-22 AWG (use with A9996-ND)	A30039-ND	111.00	90758-2
Die Set, 22-18 AWG (use with A9996-ND)	A30040-ND	111.00	90759-2
Die Set, 20-16 AWG (use with A9996-ND)	A30727-ND	495.00	58707-2
Pro-Crimper III Hand Tool (without Die Set)	A9996-ND	66.00	354940-1

More Product Available Online: www.digikey.com

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