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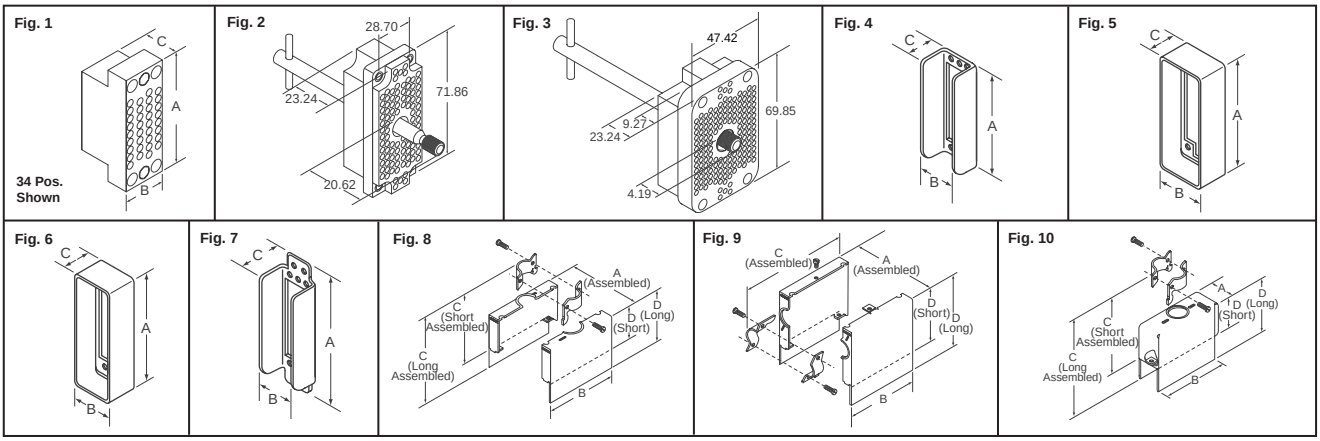
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M Series Pin and Socket Connectors

Specifications: • **Temperature Rating**: -55°C ~150°C • **Flammability Ratings**: UL94V-0 • **Dielectric Withstanding Voltage (at sea level)**: Type II Contacts, 1500VAC, RMS Type III+ Contacts, 900VAC, RMS • **Durability (Mating/Unmating)**: Types II and III+ Contacts, **Gold Plated**: 500 cycles; Types II and III+ Contacts, **Bright Tin-Lead Plated**: 50 cycles



Standard Housings

Fig.	No. of Pos.	Housing Material	Dimensions (mm) A	B	C	Digi-Key Part No.	Price Each 1	100	AMP Part No.
			Plug Housing						
1	6	Black Phenolic	25.4	9.65	23.24	A30139-ND	5.10	4.14	202758-1
	14		31.75	11.18	23.24	A30184-ND	3.32	2.69	201355-1
	20		39.62	11.18	23.24	A30114-ND	4.41	3.57	201356-1
	26		41.4	14.22	23.24	A30115-ND	5.02	4.07	201359-1
	34		50.8	19.05	23.24	A30185-ND	4.77	3.86	1-201357-1
	41		68.25	11.18	23.24	A30132-ND	12.52	10.14	202135-2
	50		65.91	19.05	23.24	A30186-ND	8.59	6.96	201358-1
	75		65.91	28.19	23.24	A30181-ND	11.32	9.17	201310-1
	104		69.85	22.22	23.24	A30183-ND	16.11	13.04	201345-1
			Receptacle Housing						
1	6	Black Phenolic	25.4	9.65	23.24	A30226-ND	5.12	4.15	202757-1
	14		31.75	11.18	23.24	A30179-ND	3.47	2.81	201298-1
	20		39.62	11.18	23.24	A30151-ND	5.36	4.34	200346-2
	26		41.4	14.22	23.24	A30154-ND	5.15	4.17	200512-2
	34		50.8	19.05	23.24	A30164-ND	4.96	4.02	200838-2
	41		68.25	11.18	23.24	A30180-ND	8.93	7.23	201302-1
	50		65.91	19.05	23.24	A30150-ND	9.05	7.33	200277-2
	75		65.91	28.19	23.24	A30182-ND	9.01	7.30	201311-1
	104		69.85	22.22	23.24	A30104-ND	17.41	14.10	201037-1
			CF Position with Center Fasteners (Plug)						
2	104	Black Phenolic	—	—	—	A30201-ND	45.28	36.66	201692-4
3	160		—	—	—	A30228-ND	23.16	18.76	202799-2
			CF Position with Center Fasteners (Receptacle)						
2	104	Black Phenolic	—	—	—	A30198-ND	18.46	14.95	201532-4
3	160		—	—	—	A30229-ND	28.37	22.97	202800-2

Protective Hardware

Fig.	No. of Pos.	Material	Dimensions (mm) A	B	C	Digi-Key Part No.	Price Each 1	100	AMP Part No.
			Pin Hoods, Internal Open-End						
4	6	Nickel Plated Steel	25.4	12.7	18.24	A30234-ND	17.14	13.88	204258-6
	14		31.75	13.97	18.24	A30188-ND	6.62	5.36	201363-4
	26		41.45	18.42	18.24	A30125-ND	8.99	7.28	201785-4
	34		50.8	22.35	18.24	A30202-ND	10.00	8.10	201786-4
			Pin Hoods, Internal Closed-End						
5	34	Nickel Plated Steel	54.1	22.35	17.45	A30136-ND	10.31	8.35	202434-4
	50		73.02	24.18	17.45	A30223-ND	6.74	5.46	202394-2
	75		70.23	33.27	17.45	A30190-ND	5.10	4.14	201369-4
	104		75.57	44.2	17.45	A30116-ND	16.86	13.66	201364-4
	160CF*		75.57	51.82	17.45	A30231-ND*	12.20	9.88	203743-4
			Pin Hoods, External Closed-End						
6	26	Aluminum Iridite	47.75	20.62	17.45	A30112-ND	13.67	11.07	201349-2
	34		57.15	25.4	17.45	A30113-ND	12.62	10.22	201350-2
	50	Nickel Plated Steel	72.26	25.4	17.45	A30118-ND	10.40	8.42	201390-5
	75		72.26	34.54	17.45	A30189-ND	8.21	6.65	201368-4
	104		76.84	45.72	17.45	A30111-ND	11.28	9.13	201346-4
	104CF*		77.22	34.04	18.24	A30216-ND*	7.08	5.73	202119-2
	160CF*		76.84	53.34	17.45	A30140-ND*	24.53	19.86	203744-4
			Pin Hoods, External Open-End with Flanges						
7	34	Nickel Plated Steel	73.02	22.63	17.45	A30130-ND	18.38	14.88	202095-5
	41		85.73	14.35	17.45	A30133-ND	14.55	11.79	202165-5
	50		88.09	22.63	17.45	A30131-ND	14.57	11.80	202096-5

Fig.	No. of Pos.	Material	Body Style	Dimensions (mm) A	B	C	D	Digi-Key Part No.	Price Each 1	100	AMP Part No.
				Two-Piece Shields, 180° Cable Exit							
8	20	Nickel Plated Steel	Short	13.21	39.67	46.10	33.02	A30233-ND	56.32	45.60	204087-1
	26		Long	16.26	41.28	62.31	50.04	A30123-ND	29.72	24.06	201576-2
	26		Short	16.26	41.28	45.24	33.02	A30155-ND	32.51	26.32	200514-2
	34		Long	21.03	50.80	62.31	49.2	A30200-ND	8.80	7.13	201571-2
	34		Short	21.03	50.80	44.83	31.75	A30157-ND	9.43	7.64	200517-2
	41		Long	13.08	68.25	62.31	49.99	A30222-ND	34.52	27.95	202383-2
	41		Short	13.08	68.25	45.24	32.77	A30134-ND	31.31	25.35	202383-1

Fig.	No. of Pos.	Material	Body Style	Dimensions (mm) A	B	C	D	Digi-Key Part No.	Price Each 1	100	AMP Part No.
8	50	Nickel Plated Steel	Long	21.03	65.86	62.69	50.04	A30119-ND	20.50	16.60	201443-2
	50		Short	21.03	65.86	45.62	32.77	A30159-ND	10.90	8.83	200532-2
	75		Long	30.35	69.27	84.51	71.04	A30225-ND	23.52	19.04	202713-2
	75		Short	30.35	69.27	67.44	53.98	A30224-ND	18.54	15.02	202713-1
	26	Anodized Aluminum	Long	16.26	41.28	62.31	50.04	A30122-ND	35.66	28.87	201576-1
	34		Long	21.03	50.80	62.31	49.2	A30199-ND	9.43	7.64	201571-1
	34		Short	21.03	50.80	44.83	31.75	A30156-ND	9.43	7.64	200517-1
	50		Short	21.03	65.86	45.62	32.77	A30158-ND	38.89	31.49	200532-1
	104	Nickel Plated Cast Alum.	Short	43.26	70.23	46.81	32.77	A30175-ND	54.62	44.22	201131-1
				Two-Piece Shields, 90° Cable Exit							
9	50	Nickel Plated Steel	Long	22.86	65.84	78.69	71.04	A30143-ND	143.64	116.28	203975-2
	50		Short	22.86	65.84	78.69	53.98	A30142-ND	61.87	50.09	203975-1
	75		Long	30.35	69.34	82.80	71.04	A30138-ND	37.67	30.50	202711-3
	75		Short	30.35	69.34	82.80	53.98	A30137-ND	41.39	33.51	202711-1
	104CF*		Short	29.08	72.26	85.73	60.33	A30135-ND*	92.34	74.75	202395-1
				One-Piece Shields, 180° Cable Exit							
10	14	Nickel Plated Steel	Long	13.49	33.32	62.69	50.01	A30191-ND	7.83	6.35	201378-2
	14		Short	13.49	33.32	45.62	33.02	A30187-ND	9.85	7.98	201360-2
	20		Short	13.08	41.66	45.62	33.02	A30109-ND	40.68	32.93	201227-2
	26		Short	16.26	42.85	45.62	32.92	A30108-ND	23.48	19.01	201169-2
	34		Long	21.03	52.37	62.69	50.01	A30117-ND	31.31	25.35	201384-2
	34		Short	21.03	52.37	45.24	32.54	A30107-ND	36.39	29.47	201165-2
				One-Piece Shields, 90° Cable Exit							
–	14	Nickel Plated Steel	Short	—	—	—	—	A30120-ND	43.74	35.42	201467-2
	34		Short	—	—	—	—	A30197-ND	24.36	19.72	201469-2
				Two-Piece Shields, 45° Cable Exit							
–	104CF*	Nickel Plated Steel	Short	—	—	—	—	A30217-ND*	29.55	23.92	202169-1
	104CF*		Short	—	—	—	—	A30215-ND*	27.51	22.27	202110-1
	160CF*		Short	—	—	—	—	A30227-ND*	54.62	44.22	202798-1

Strain Relief Hardware

No. of Pos.	Cable Opening L x W (mm)	Body Style	Digi-Key Part No.	Price Each 1	100	AMP Part No.
	Cable Clamps					
6	7.75 x 3.94	Short	A30230-ND	13.06	10.58	203432-1
14	13.46 x 8.51	Long	A30205-ND	6.20	5.02	201843-1
14	13.46 x 8.51	Short	A30160-ND	10.00	8.10	200686-1
20	19.81 x 8.51	Short	A30178-ND	14.83	12.01	201237-1
26	19.81 x 12.83	Long	A30206-ND	7.83	6.35	201845-1
26	19.81 x 10.92	Short	A30110-ND	10.10	8.18	201229-1
34	19.81 x 12.7	Long	A30207-ND	8.76	7.09	201846-1
34	19.81 x 10.8	Short	A30177-ND	5.88	4.76	201224-1
41	38.1 x 9.14	Long	A30124-ND	29.78	24.11	201766-1
50	28.58 x 17.15	Long	A30208-ND	7.50	6.07	201847-1
50	28.58 x 13.97	Short	A30176-ND	10.77	8.73	201182-1
75	28.58 x 23.5	Long	A30209-ND	8.95	7.25	201848-1
75	28.58 x 20.32	Short	A30161-ND	8.59	6.96	200730-1
104	28.58 x 31.37	Long	A30126-ND	29.74	24.08	201849-1

Fastening Hardware

Style	Standard Connectors Used	Digi-Key Part No.	Price Each 1	100	Amp Part No.
	Turnable Jackscrews, 6-32 Double Lead Thread				
Long-Long Male	50, (90° shield	A30211-ND◊	4.03	3.27	201911-1
Long-Long Female	only) 75 and 104	A30210-ND◊	6.22	5.04	201910-1
Long Male	20, 26, 34,	A30168-ND	2.42	1.96	200871-1
Long Female	41 and 50	A30165-ND	2.25	1.82	200867-1
Short Male	6, 14, 20, 26, 34,	A30166-ND	2.90	2.35	200868-1
Short Female	41, 50, 75 and 104	A30167-ND	2.46	1.99	200870-1
Short-Short Male	6, 14, 20, 26, 34,	A30192-ND	3.13	2.54	201388-1
Short-Short Female	41, 50, 75 and 104	A30193-ND	2.25	1.82	201389-1

*CF = Center Fastener ◊ Long-Long Turnable Jackscrews are used only with Two-Piece Shields on the connector sizes listed. ‡ Single female latch, two must be ordered per assembly. § Without Spacers † Two long pins are to be installed in a diagnol corners. Use without guide sockets.

(Continued)

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