

3M 2mm Mini-Clamp Plugs and Sockets



Features: • Provides even quality • Reduces maintenance work by providing higher connection reliability • Reduces waste • Operation by general tool "pliers" reduces tooling cost • Latch enabled rugged field termination • Physical Specifications: • Material: Glass reinforced thermoplastic body & lower cover, transparent thermoplastic cover • Flammability: UL 94V-0 • Underplating: 100µ" (2.54µm) nickel • Wiping area: 8µ" (0.2µm) minimum gold with lubricant
Electrical Specifications: • Current Rating: 3A • Voltage Rating: 32V • Temperature Rating: -20°C - 85°C

Fig.	No. of Pos.	Dim. A mm
Fig. 1 - Wiremount Plug	3	12.9
	4	14.9
Fig. 2 - Boardmount Plug, Single Row	3	13.8
	4	15.8
Fig. 3 - Boardmount Plug, Multiple Row	3	13.8
	4	15.8
Fig. 4 - Wiremount Socket	3 (without latch)	13.8
	3 (with latch)	23.4
	4 (without latch)	15.8
	4 (with latch)	25.4

CHG Series .100" Wiremount Sockets



Features: • Twin slot IDC provides four points of contact • Exclusive L/H 4-wire contact • 3435-0 keying plug is optional • Accepts discrete wire or notched ribbon cable **Single Row Features:** • One row, side-to-side stackable • Mates to 3M one row pin strip headers **Double Row Features:** • Military/DIN 41612 compatibility • Two row, polarized body • Mates to 3M long latch/eject headers and plugs
Specifications: Physical Specifications: • Insulation Material: Glass Filled Polyester (PBT) • Insulation Flammability: UL 94V-0 • Insulation Color: Gray • Contact Material: Copper Alloy • Plating Wire Area: 30µ" (0.76µm) Gold • Underplating and U-Slot: 100µ" (2.54µm) Nickel **Electrical Specifications:** • Current Rating: 22-24 AWG: 2A; 26-28 AWG: 1.5A • Insulation Resistance: >1x10⁹Ω at 500VDC • Withstanding Voltage: 1000 VRMS at Sea Level **Environmental Specifications:** • Temperature Rating: -55°C - 105°C

Fig.	No. of Positions	Dim. in mm	AWG	Digi-Key Part No.	Price Each	3M Part No.
Fig. 1	3 (without latch)	13.8				
	3 (with latch)	23.4				
Fig. 2	4 (without latch)	15.8				
	4 (with latch)	25.4				

Fig.	No. of Pos.	AWG	Wire Ins. Dia. - mm	Cover Color	Digi-Key Part No.	Price Each	3M Part No.	
1	3	20-22	1.0-1.2	Green	3M5704-ND	1.45 1.36 1.26	37103-2124-000 FL 500	
		20-24	1.0-1.2	Green	3M9003-ND	1.60 1.50 1.39	37103-A124-00E MB	
		20-22	1.2-1.6	Blue	3M5705-ND	1.45 1.36 1.26	37103-2165-000 FL 500	
		20-24	1.2-1.6	Blue	3M9004-ND	1.60 1.50 1.39	37103-A165-00E MB	
		20-22	1.6-2.0	Gray	3M5706-ND	1.45 1.36 1.26	37103-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9005-ND	1.60 1.50 1.39	37103-A206-00E MB	
	4	3	20-24	0.8-1.0	Red	3M5707-ND	1.45 1.36 1.26	37103-3101-000 FL 500
			20-26	0.8-1.0	Red	3M9006-ND	1.60 1.50 1.39	37103-B101-00E MB
			24-26	1.0-1.2	Yellow	3M5708-ND	1.45 1.36 1.26	37103-3122-000 FL 500
			24-26	1.0-1.2	Yellow	3M9007-ND	1.60 1.50 1.39	37103-B122-00E MB
			24-26	1.2-1.6	Orange	3M5709-ND	1.45 1.36 1.26	37103-3163-000 FL 500
			24-26	1.2-1.6	Orange	3M9008-ND	1.60 1.50 1.39	37103-B163-00E MB
4		3	20-22	1.0-1.2	Green	3M5710-ND	1.68 1.58 1.46	37104-2124-000 FL 500
			20-24	1.0-1.2	Green	3M9009-ND	1.91 1.79 1.66	37104-A124-00E MB
			20-22	1.2-1.6	Blue	3M5711-ND	1.68 1.58 1.46	37104-2165-000 FL 500
			20-24	1.2-1.6	Blue	3M9010-ND	1.91 1.79 1.66	37104-A165-00E MB
			20-22	1.6-2.0	Gray	3M5712-ND	1.68 1.58 1.46	37104-2206-000 FL 500
			20-24	1.6-2.0	Gray	3M9011-ND	1.91 1.79 1.66	37104-A206-00E MB
	4	3	20-26	0.8-1.0	Red	3M5713-ND	1.68 1.58 1.46	37104-3101-000 FL 500
			24-26	0.8-1.0	Red	3M9012-ND	1.91 1.79 1.66	37104-B101-00E MB
			24-26	1.0-1.2	Yellow	3M5714-ND	1.68 1.58 1.46	37104-3122-000 FL 500
			24-26	1.0-1.2	Yellow	3M9013-ND	1.91 1.79 1.66	37104-B122-00E MB
			24-26	1.2-1.6	Orange	3M5715-ND	1.68 1.58 1.46	37104-3163-000 FL 500
			24-26	1.2-1.6	Orange	3M9014-ND	1.91 1.79 1.66	37104-B163-00E MB
2		3	—	—	—	3M5700-ND‡	1.08 1.01 .94	37203-62A3-003PL
			—	—	—	3M5701-ND‡	1.08 1.01 .94	37203-62B3-003PL
		4	—	—	—	3M5702-ND‡	1.23 1.15 1.07	37204-62A3-004PL
			—	—	—	3M5703-ND‡	1.23 1.15 1.07	37204-62B3-004PL
		3x4	—	—	—	3M5716-ND‡	2.48 2.32 2.16	37208-62A3-004PL
			—	—	—	3M5717-ND‡	2.14 2.00 1.86	37212-62M3-003PL
	4x4	—	—	—	3M5718-ND‡	2.14 2.00 1.86	37216-62M3-004PL	
		—	—	—	3M5719-ND‡	1.57 1.47 1.36	37303-2124-000 FL 500	
	3	4x2	20-22	1.0-1.62	Green	3M5719-ND	1.57 1.47 1.36	37303-2124-000 FL 500
			20-24	1.0-1.2	Green	3M9015-ND	1.71 1.61 1.49	37303-A124-00E MB
			20-22	1.0-1.62	Green	3M5720-ND‡	1.63 1.53 1.42	37303-2124-000 FL 500
			20-24	1.0-1.2	Green	3M9016-ND‡	1.80 1.68 1.56	37303-A124-00E MB
20-22			1.2-1.6	Blue	3M5721-ND‡	1.57 1.47 1.36	37303-2165-000 FL 500	
20-24			1.2-1.6	Blue	3M9017-ND‡	1.71 1.61 1.49	37303-A165-00E MB	
4x2		20-22	1.2-1.6	Blue	3M5722-ND‡	1.63 1.53 1.42	37303-2165-000 FL 500	
		20-24	1.2-1.6	Blue	3M9018-ND‡	1.80 1.68 1.56	37303-A165-00E MB	
		20-22	1.6-2.0	Gray	3M5723-ND‡	1.57 1.47 1.36	37303-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9019-ND‡	1.71 1.61 1.49	37303-A206-00E MB	
		20-22	1.6-2.0	Gray	3M5724-ND‡	1.63 1.53 1.42	37303-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9020-ND‡	1.80 1.68 1.56	37303-A206-00E MB	
4	3	20-24	0.8-1.0	Red	3M5725-ND‡	1.57 1.47 1.36	37303-3101-000 FL 500	
		24-26	0.8-1.0	Red	3M9021-ND‡	1.71 1.61 1.49	37303-B101-00E MB	
		24-26	0.8-1.0	Red	3M5726-ND‡	1.63 1.53 1.42	37303-3101-000 FL 500	
		24-26	0.8-1.0	Red	3M9022-ND‡	1.80 1.68 1.56	37303-B101-00E MB	
		24-26	1.0-1.62	Yellow	3M5727-ND‡	1.57 1.47 1.36	37303-3122-000 FL 500	
		24-26	1.0-1.62	Yellow	3M9023-ND‡	1.71 1.61 1.49	37303-B122-00E MB	
	4	24-26	1.0-1.62	Yellow	3M5728-ND‡	1.63 1.53 1.42	37303-3122-000 FL 500	
		24-26	1.0-1.2	Yellow	3M9024-ND‡	1.80 1.68 1.56	37303-B122-00E MB	
		24-26	1.2-1.6	Orange	3M5729-ND	1.57 1.47 1.36	37303-3163-000 FL 500	
		24-26	1.2-1.6	Orange	3M9025-ND	1.71 1.61 1.49	37303-B163-00E MB	
		24-26	1.2-1.6	Orange	3M5730-ND‡	1.80 1.68 1.56	37303-3163-000 FL 500	
		24-26	1.2-1.6	Orange	3M9026-ND‡	1.80 1.68 1.56	37303-B163-00E MB	
4	3	20-22	1.0-1.62	Green	3M5731-ND	1.83 1.71 1.59	37304-2124-000 FL 500	
		20-24	1.0-1.2	Green	3M9027-ND	2.06 1.93 1.79	37304-A124-00E MB	
		20-22	1.0-1.62	Green	3M5732-ND‡	1.91 1.79 1.66	37304-2124-000 FL 500	
		20-24	1.0-1.2	Green	3M9028-ND‡	2.14 2.00 1.86	37304-A124-00E MB	
		20-22	1.2-1.6	Blue	3M5733-ND	1.83 1.71 1.59	37304-2165-000 FL 500	
		20-24	1.2-1.6	Blue	3M9029-ND	2.06 1.93 1.79	37304-A165-00E MB	
	4	20-22	1.2-1.6	Blue	3M5734-ND‡	1.91 1.79 1.66	37304-2165-000 FL 500	
		20-24	1.2-1.6	Blue	3M9030-ND‡	2.14 2.00 1.86	37304-A165-00E MB	
		20-22	1.6-2.0	Gray	3M5735-ND	1.83 1.71 1.59	37304-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9031-ND	2.06 1.93 1.79	37304-A206-00E MB	
		20-22	1.6-2.0	Gray	3M5736-ND‡	1.91 1.79 1.66	37304-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9032-ND‡	2.14 2.00 1.86	37304-A206-00E MB	
4	3	24-26	0.8-1.0	Red	3M5737-ND	1.83 1.71 1.59	37304-3101-000 FL 500	
		24-26	0.8-1.0	Red	3M9033-ND	2.06 1.93 1.79	37304-B101-00E MB	
		24-26	0.8-1.0	Red	3M5738-ND‡	1.91 1.79 1.66	37304-3101-000 FL 500	
		24-26	0.8-1.0	Red	3M9034-ND‡	2.14 2.00 1.86	37304-B101-00E MB	
		24-26	1.0-1.62	Yellow	3M5739-ND	1.83 1.71 1.59	37304-3122-000 FL 500	
		24-26	1.0-1.2	Yellow	3M9035-ND	2.06 1.93 1.79	37304-B122-00E MB	
	4	24-26	1.0-1.62	Yellow	3M5740-ND‡	1.91 1.79 1.66	37304-3122-000 FL 500	
		24-26	1.0-1.2	Yellow	3M9036-ND‡	2.14 2.00 1.86	37304-B122-00E MB	
		24-26	1.2-1.6	Orange	3M5741-ND	1.83 1.71 1.59	37304-3163-000 FL 500	
		24-26	1.2-1.6	Orange	3M9037-ND	2.06 1.93 1.79	37304-B163-00E MB	
		24-26	1.2-1.6	Orange	3M5742-ND‡	1.91 1.79 1.66	37304-3163-000 FL 500	
		24-26	1.2-1.6	Orange	3M9038-ND‡	2.14 2.00 1.86	37304-B163-00E MB	

† With Latch ‡ See Digi-Key website for PCB footprint type § 3M5716 Dim. = 12.9

Fig.	No. of Positions	Dim. in mm	AWG	Digi-Key Part No.	Price Each	3M Part No.
Single Row						
1	2	5.72	26-28	3M9064-ND	.77 .72 .67	CHG-1002-001010-KCP
	2	5.72	22-24	3M9065-ND	.67 .63 .59	CHG-1002-001010-KEP
	3	8.26	26-28	3M9066-ND	1.42 1.33 1.24	CHG-1003-001010-KCP
	3	8.26	22-24	3M9067-ND	1.55 1.45 1.35	CHG-1003-001010-KEP
	4	10.80	26-28	3M9068-ND	1.54 1.44 1.34	CHG-1004-001010-KCP
	4	10.80	22-24	3M9069-ND	1.39 1.30 1.21	CHG-1004-001010-KEP
	5	13.34	26-28	3M9070-ND	1.93 1.80 1.68	CHG-1005-001010-KCP
	5	13.34	22-24	3M9071-ND	2.22 2.08 1.93	CHG-1005-001010-KEP
	6	15.88	26-28	3M9072-ND	2.30 2.15 2.00	CHG-1006-001010-KCP
	6	15.88	22-24	3M9073-ND	2.16 2.02 1.87	CHG-1006-001010-KEP
	7	18.42	26-28	3M9074-ND	2.68 2.51 2.33	CHG-1007-001010-KCP
	7	18.42	22-24	3M9075-ND	2.68 2.51 2.33	CHG-1007-001010-KEP
	8	20.96	26-28	3M9076-ND	3.07 2.87 2.67	CHG-1008-001010-KCP
	8	20.96	22-24	3M9077-ND	3.07 2.87 2.67	CHG-1008-001010-KEP
9	23.50	26-28	3M9078-ND	2.73 2.55 2.37	CHG-1009-001010-KCP	
9	23.50	22-24	3M9079-ND	3.02 2.83 2.62	CHG-1009-001010-KEP	
10	26.04	26-28	3M9080-ND	2.56 2.40 2.23	CHG-1010-001010-KCP	
10	26.04	22-24	3M9081-ND	2.82 2.64 2.45	CHG-1010-001010-KEP	
14	36.20	26-28	3M9082-ND	2.93 2.73 2.54	CHG-1014-001010-KCP	
14	36.20	22-24	3M9083-ND	2.93 2.73 2.54	CHG-1014-001010-KEP	
Double Row						
2	6	12.19	26-28	3M9057-ND	2.58 2.41 2.24	CHG-2006-001010-KCP
	6	12.19	22-24	3M9084-ND	2.30 2.15 2.00	CHG-2006-001010-KEP
	10	17.27	26-28	3M9085-ND	2.56 2.40 2.23	CHG-2010-001010-KCP
	10	17.27	22-24	3M9086-ND	2.56 2.40 2.23	CHG-2010-001010-KEP
	10	17.27	26-28	3M9087-ND▲	2.56 2.40 2.23	CHG-2010-J01010-KCP
	10	17.27	22-24	3M9088-ND▲	2.56 2.40 2.23	CHG-2010-J01010-KEP
	14	22.35	26-28	3M9089-ND	4.62 4.32 4.01	CHG-2014-001010-KCP
	14	22.35	22-24	3M9090-ND	3.58 3.34 3.11	CHG-2014-001010-KEP
	14	22.35	26-28	3M9091-ND▲	3.58 3.34 3.11	CHG-2014-J01010-KCP