

Metal-Shell Circular Plastic Connectors

Product Facts

- Economical combination of thermoplastic UL 94V-0 rated connector housings and metal shells
- Available in three sizes:
 - Series 1—Accepts Multimate contacts, shell sizes 14-5, 14-7, 22-16, 28-24, and 28-37 standard sex; 14-5, 14-7, 22-14, and 28-37 reverse sex
 - Series 2—Accepts 20 DF and 20 DM contacts, shell sizes 22-28 and 28-63 standard sex; 22-28 and 28-57 reverse sex
 - Series 3—Accepts Type XII power contacts, shell sizes 22-3 and 28-7 standard and reverse sex
- Series 4—Accepts Multimate contacts, and Type XII power contacts, shell size 28-16M and 28-22M standard sex
- Compatible with MIL Spec metal housing type connectors
- Choice of application tooling to meet all production requirements



AMP Metal-Shell Circular Plastic Connectors offer the reliability of higher priced all metal connectors at a fraction of the cost, and are offered in the more popular contact configurations.

Connector housings are made of lightweight, sturdy, thermoplastic material that are UL 94V-0 rated, with zinc alloy, nickel plated shells for added strength and protection. These connectors are available in a variety of configurations to meet your signal, low current and high current requirements. Operating temperatures range from -55°C to +125°C.

Signal and low current is provided by a choice of AMP Multimate contacts: .062 [1.57] pin diameter and 20 DF and 20 DM contacts, .040 [1.02] pin diameter. High current requirements are met by the Type XII capable of carrying up to 35 amperes of current.

These quick connect/disconnect circular connectors feature polarised housings to prevent mismatching with other insert arrangements.

AMP Metal-Shell Circular Plastic Connectors are available in square flange receptacles and free-hanging plug connectors.

For additional economy, industry accepted AMP Type III+ pin and socket contacts are available on reels in strip-form for high volume, low cost, automatic machine terminations. For low volume, prototype or maintenance and repair Type III+ contacts are also available in loose piece form.

Metal-Shell Circular Plastic Connectors Selection Guide

Size & Ways no.	Description	T&B Code	Tyco Electronics Part Number Standard	CMC Splash Prove
11-4	Plug connector (Pin)	M1110-P04	0-1437726-1*	—
	Receptacle connector (Pin)	M1121-P04	0-1437726-9*	—
	Receptacle connector Panel mount (Pin)	M1131-P04	1-1437726-2*	—
	Plug connector (Socket)	M1110-S04	0-1437726-5*	—
	Receptacle connector (Socket)	M1121-S04	1-1437726-0*	—
	Receptacle connector Panel mount (Socket)	M1131-S04	1-1437726-5*	—
Accessories Size 11	Metal backshell cable clamp small	M118SR-33	3-1437726-3	—
	Metal backshell cable clamp long	M118SR-45	3-1437726-4	—
	Gland adaptor, PG9 thread	M118GA-PG9	2-1437726-6	—
	Gland adaptor, PG11 thread	M118GA-PG11	2-1437726-3	—
	Conduit adaptor (3/8" size)	M118F-0375	2-1437726-0	—
	Conduit adaptor (1/2" size)	M118F-0500	2-1437726-2	—
	Shrink tube cable entry seal	M118ES-26	4-1437727-1	—
	Sealing ring	M118SR	3-1437726-2	—
	Panel mount sealing gasket	M118GSK	2-1437726-9	—
	Metallic insert retainer	M118MRET	3-1437726-0	—

Size & Ways no.	Description	T&B Code	Tyco Electronics Part Number Standard	CMC Splash Prove
14-5	Plug connector (Pin)	—	0-0208720-1	—
	Receptacle connector Panel mount (Pin)	—	0-0208719-1	—
	Plug connector (Socket)	—	0-0208718-1	0-0208718-2
	Receptacle connector Panel mount (Socket)	—	0-0208721-1	—
14-7	Receptacle connector (Socket)	—	0-0208716-1	0-0208716-2
	Receptacle connector Panel mount (Socket)	—	0-0208715-1	—
	Metal backshell cable clamp small	—	0-0208714-1	0-0208714-2
	Metal backshell cable clamp long	—	0-0208717-1	—
Accessories Size 14	Gland adaptor, PG9 thread	—	0-0208945-5	—
	Gland adaptor, PG11 thread	—	0-0213823-2	—

Size & Ways no.	Description	T&B Code	Tyco Electronics Part Number Standard	CMC Splash Prove
17-9	Plug connector (Pin)	M1710-P09	3-1437726-8*	—
	Receptacle connector (Pin)	M1721-P09	2-1437727-7*	—
	Receptacle connector Panel mount (Pin)	M1731-P09	4-1437726-8*	—
	Plug connector (Socket)	M1710-S09	4-1437726-3*	—
	Receptacle connector (Socket)	M1721-S09	2-1437727-6*	—
	Receptacle connector Panel mount (Socket)	M1731-S09	5-1437726-2*	—
17-14	Plug connector (Pin)	M1710-P14	4-1437726-1*	—
	Receptacle connector (Pin)	M1721-P14	4-1437726-7*	—
	Receptacle connector Panel mount (Pin)	M1731-P14	5-1437726-0*	—
	Plug connector (Socket)	M1710-S14	4-1437726-5*	—
	Receptacle connector (Socket)	M1721-S14	2-1437727-5*	—
	Receptacle connector Panel mount (Socket)	M1731-S14	5-1437726-5*	—
Accessories Size 17	Metal backshell cable clamp small	M178SR-45	7-1437726-2	—
	Metal backshell cable clamp long	M178SR-70	7-1437726-5	—
	Gland adaptor, PG11 thread	M178GA-PG11	6-1437726-4	—
	Gland adaptor, PG13 thread	M178GA-PG13	6-1437726-7	—
	Conduit adaptor (3/8" size)	M178F-0375	5-1437726-8	—
	Conduit adaptor (1/2" size)	M178F-0500	6-1437726-0	—
	Conduit adaptor (3/4" size)	M178F-0750	6-1437726-2	—
	Shrink tube cable entry seal	M178ES-40	5-1437726-7	—
	Sealing ring	M178SR	7-1437726-1	—
	Panel mount sealing gasket	M178GSK	7-1437726-0	—
	Metallic insert retainer	M178MRET	0-1437719-2	—

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Size & Ways no.	Description	T&B Code	Tyco Electronics Part Number Standard	CMC Splash Prove
22-14	Plug connector (Pin)	—	0-0208486-1	0-0208486-3
	Receptacle connector Panel mount (Socket)	—	0-0208487-1	—
22-16	Receptacle connector Panel mount (Pin)	—	0-0208489-1	—
	Plug connector (Socket)	—	0-0208488-1	0-2208488-3
Accessories Size 22	Metal backshell cable clamp	—	0-0208945-7	—
	Protective cap for receptacle	—	0-0211903-1	—

Size & Ways no.	Description	T&B Code	Tyco Electronics Part Number Standard	CMC Splash Prove
23-24	Plug connector (Pin)	M2310-P24	8-1437726-0*	—
	Receptacle connector (Pin)	M2321-P24	3-1437727-4*	—
	Receptacle connector Panel mount (Pin)	M2331-P24	9-1437726-0*	—
	Plug connector (Socket)	M2310-S24	8-1437726-4*	—
	Receptacle connector (Socket)	M2321-S24	8-1437726-9*	—
	Receptacle connector Panel mount (Socket)	M2331-S24	9-1437726-4*	—
23-37	Plug connector (Pin)	M2310-P37	8-1437726-2*	—
	Receptacle connector (Pin)	M2321-P37	8-1437726-8*	—
	Receptacle connector Panel mount (Pin)	M2331-P37	9-1437726-2*	—
	Plug connector (Socket)	M2310-S37	8-1437726-6*	—
	Receptacle connector (Socket)	M2321-S37	3-1437727-6*	—
	Receptacle connector Panel mount (Socket)	M2331-S37	9-1437726-6*	—
Accessories Size 23	Metal backshell cable clamp small	M238SR-70	4-1437727-3	—
	Metal backshell cable clamp long	M238SR-112	3-1437727-5	—
	Gland adaptor, PG16 thread	M238GA-PG16	0-1437727-6	—
	Gland adaptor, PG21 thread	M238GA-PG21	0-1437727-9	—
	Gland adaptor, PG29 thread	M238GA-PG29	1-1437727-2	—
	Conduit adaptor (1/2" size)	M238F-0500	9-1437726-9	—
	Conduit adaptor (3/4" size)	M238F-0750	0-1437727-2	—
	Conduit adaptor (1" size)	M238F-01000	0-1437727-4	—
	Shrink tube cable entry seal	M238ES-55	3-1437727-8	—
	Sealing ring	M238SR	1-1437727-7	—
	Panel mount sealing gasket	M238GSK	1-1437727-5	—
	Metallic insert retainer	M238MRET	1-1437727-6	—
	Extender	M238EXT	2-1437727-2	—

Size & Ways no.	Description	T&B Code	Tyco Electronics Part Number Standard	CMC Splash Prove
28-24	Receptacle connector Panel mount (Pin)	—	0-0208459-1	—
	Plug connector (Socket)	—	0-0208457-1	0-0208457-3
28-37	Plug connector (Pin)	—	0-0208472-1	0-0208472-3
	Receptacle connector Panel mount (Pin)	—	0-0208471-1	—
	Plug connector (Socket)	—	0-0208470-1	0-0208470-3
	Receptacle connector Panel mount (Socket)	—	0-0208473-1	—
Accessories Size 28	Metal backshell cable clamp	—	0-0208945-8	—
	Protective cap for receptacle	—	0-0211904-1	—