



RIGHT ANGLE D-SUB DSM-318, DSM-590 SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?DSM-318 or www.samtec.com?DSM-590

Insulator Material:

Black High Temperature Thermoplastic

Pin Material:

Brass

Socket Material:

Phosphor Bronze

Shell Material:

Steel

Plating:

Gold on Contacts, Nickel on Shell, Tin-Lead on Tails

Operating Temp Range:

-55°C to +125°C

Current Rating:

5 A per contact

Voltage Rating:

250 VAC

Contact Resistance:

20 mΩ max

Minimum Cycles:

1000

Packaging:

Packaged and shipped in Bulk Packaging Trays; Trays suitable for automation are available upon request.



DSM	318	SHELL SIZE-POSITIONS	GENDER	PLATING	BOARD MOUNT	FACE MOUNT
		-E-09 = 9 Positions -A-15 = 15 Positions -B-25 = 25 Positions -C-37 = 37 Positions	-P = Pin -S = Socket	-F = Gold Flash on Mating Area, Tin-Lead on Tails	(Required in callout) -LB = "L" Bracket -FB = Forked Board Locks	(Required in callout) -FT = #4-40 Flush Threaded Inserts -RJ = #4-40 Removable Jackscrews in #4-40 Threaded Inserts -MT = M3 Flush Threaded Inserts -MJ = M3 Removable Jackscrews in M3 Threaded Inserts -NT = Non-Threaded Rivet

Dimensions: (7,90) .311, (8,36) .329, (2,77) .109, (12,50) .492, (6,00) .236, (2,79) .110, (8,08) .318, (2,84) .112, (3,81) .150, (3,68) .145, (3,18) .125 DIA, (9,52) .375

Labels: -S, -P, -FT & -MT, -RJ & -MJ, -LB, -FB

SHELL SIZE-POSITION	A	B	C (-P)	C (-S)
	± (0,25) .010	± (0,25) .010	± (0,25) .010	± (0,25) .010
-E-09	(30,81) 1.213	(24,99) .984	(16,92) .666	(16,33) .643
-A-15	(39,14) 1.541	(33,32) 1.312	(25,25) .994	(24,66) .971
-B-25	(53,04) 2.088	(47,04) 1.852	(38,96) 1.534	(38,38) 1.511
-C-37	(69,32) 2.729	(63,50) 2.500	(55,43) 2.182	(54,84) 2.159

DSM	590	SHELL SIZE-POSITIONS	GENDER	PLATING	BOARD MOUNT	FACE MOUNT
		-E-09 = 9 Positions -A-15 = 15 Positions -B-25 = 25 Positions -C-37 = 37 Positions	-P = Pin -S = Socket	-F = Gold Flash on Mating Area, Tin-Lead on Tails	(Required in callout) -T2 = Top Side Ground on Full Flange -F2 = Forked Board Locks on Full Flange	(Required in callout) -FT = #4-40 Flush Threaded Inserts -RJ = #4-40 Removable Jackscrews in #4-40 Threaded Inserts -MT = M3 Flush Threaded Inserts -MJ = M3 Removable Jackscrews in M3 Threaded Inserts -NT = Non-Threaded Rivet

Dimensions: (7,90) .311, (8,36) .329, (2,77) .109, (12,50) .492, (6,00) .236, (2,79) .110, (15,00) .590, (2,84) .112, (16,00) .630

Labels: -S, -P, -FT & -MT, -RJ & -MJ, -T2, -F2

SHELL SIZE-POSITION	A	B	C (-P)	C (-S)
	± (0,25) .010	± (0,25) .010	± (0,25) .010	± (0,25) .010
-E-09	(30,81) 1.213	(24,99) .984	(16,92) .666	(16,33) .643
-A-15	(39,14) 1.541	(33,32) 1.312	(25,25) .994	(24,66) .971
-B-25	(53,04) 2.088	(47,04) 1.852	(38,96) 1.534	(38,38) 1.511
-C-37	(69,32) 2.729	(63,50) 2.500	(55,43) 2.182	(54,84) 2.159

Due to technical progress, all designs, specifications and components are subject to change without notice.

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