M39029/75
852-003
Size 12 Coaxial Socket

D38999 Ser. I, III, IV

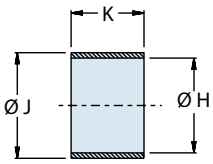
Size #12 Coaxial Socket Contacts for MIL-DTL-38999 Series I, III and IV Connectors



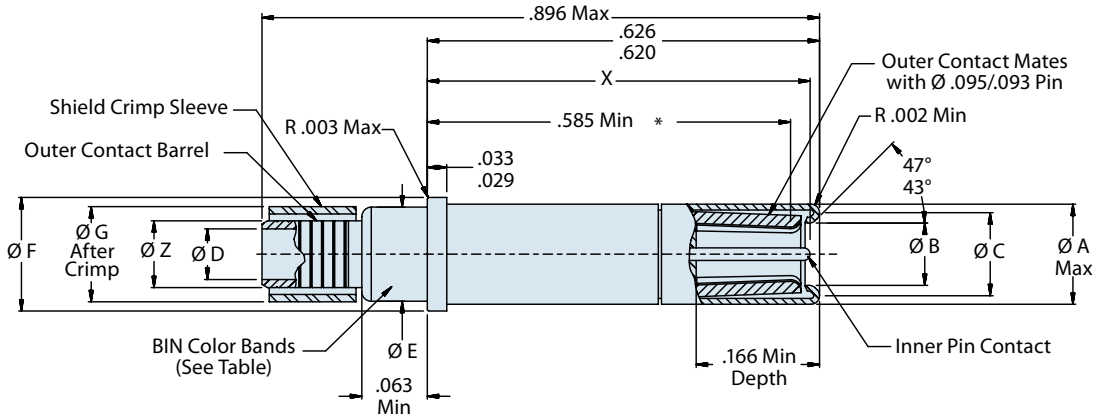
These #12 socket contacts accept 50 ohm and 75 ohm coaxial cable. Inner contact is rated at 1 amp, the outer contact 12 amps. DWV rating is 1000 Vac rms sea level, 250 Vac at 50,000 feet. Contacts are packaged individually and shipped unassembled with instruction sheet. One contact consists of outer contact , fluorocarbon dielectric, inner contact and shield crimp sleeve. Inner and outer contacts are gold-plated copper alloy. Approved to SAE AS39029. 5000 megohm insulation resistance. Mates with: M39029/28.

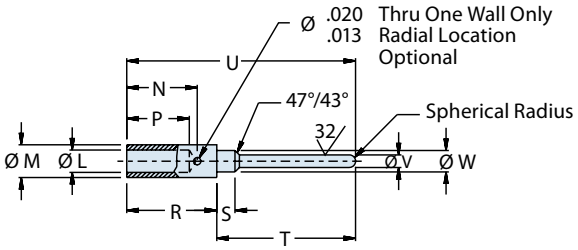
B

Type	Cable Accommodation	Part Number	Military Part Number	Color Band 1st	2nd	3rd
Socket	M17/119-RG174, M17/113-RG316, M17/094-RG179, Times AA3248, Teledyne 11299, Haveg 8100207, Thermax 75-738-BCCWXE, Tensolite 3088/L707YX-1	852-003-12-416	M39029/75-416	Yellow	Brown	Blue
	M17/095-RG, Raychem 9527D1514-2L, Raychem 9528A1318, Microdot 293-3922	852-003-12-417	M39029/75-417	Yellow	Brown	Violet
	Microdot 250-4070	852-003-12-418	M39029/75-418	Yellow	Brown	Gray
	Raychem 48-502, 5022E5111	852-003-12-419	M39029/75-419	Yellow	Brown	White
	Raychem 48-950, 9530D5117	852-003-12-420	M39029/75-420	Yellow	Red	Black
	Raychem 7624D1311, 9527A1318	852-003-12-421	M39029/75-421	Yellow	Red	Brown
	Gore GWN1159A, M17/152-00001	852-003-12-422	M39029/75-422	Yellow	Red	Red
	1S50MU-16, -20, -40, -70 (D24643/28)	852-003-12-423	M39029/75-423	Yellow	Red	Orange



Shield Crimp Sleeve





Inner Pin Contact

Material and Finish

Contact Body: Copper Alloy/Gold Plated
Hood: Stainless Steel/Passivated
Center Contact: Copper Alloy/Gold Plated
Crimp Sleeve: Copper Alloy/Gold Plated
Insulator: Teflon

* Indicates point at which a square ended pin of the same basic diameter as the mating contact first engages the outer contact spring

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Table I

BIN Code	ØA Max	ØB	ØC	ØD Max	ØE	ØF	ØG Max	ØH Min	ØJ Max	K	ØL Min
416	0.161 (4.1)	.100 (2.54) .097 (2.46)	.123 (3.1) .118 (3.0)	.090 (2.3)	.151 (3.84) .148 (3.76)	.182 (4.6) .179 (4.5)	.156 (4.0)	.127 (3.2)	.169 (4.3)	.125 (3.2) .115 (2.9)	.0225 (.57)
417	0.161 (4.1)	.100 (2.54) .097 (2.46)	.123 (3.1) .118 (3.0)	.108 (2.7)	.151 (3.84) .148 (3.76)	.182 (4.6) .179 (4.5)	.156 (4.0)	.144 (3.7)	.169 (4.3)	.125 (3.2) .115 (2.9)	.0225 (.57)
418	0.161 (4.1)	.100 (2.54) .097 (2.46)	.123 (3.1) .118 (3.0)	.108 (2.7)	.151 (3.84) .148 (3.76)	.182 (4.6) .179 (4.5)	.156 (4.0)	.144 (3.7)	.169 (4.3)	.125 (3.2) .115 (2.9)	.0355 (.90)
419	0.161 (4.1)	.100 (2.54) .097 (2.46)	.123 (3.1) .118 (3.0)	.090 (2.3)	.151 (3.84) .148 (3.76)	.182 (4.6) .179 (4.5)	.156 (4.0)	.127 (3.2)	.169 (4.3)	.125 (3.2) .115 (2.9)	.0355 (.90)
420	0.161 (4.1)	.100 (2.54) .097 (2.46)	.123 (3.1) .118 (3.0)	.090 (2.3)	.151 (3.84) .148 (3.76)	.182 (4.6) .179 (4.5)	.156 (4.0)	.127 (3.2)	.169 (4.3)	.125 (3.2) .115 (2.9)	.0225 (.57)
421	0.161 (4.1)	.100 (2.54) .097 (2.46)	.123 (3.1) .118 (3.0)	0.117 (3.0)	.151 (3.84) .148 (3.76)	.182 (4.6) .179 (4.5)	.156 (4.0)	.156 (4.0)	0.174 (4.4)	.125 (3.2) .115 (2.9)	.0270 (.70)
422	0.161 (4.1)	.100 (2.54) .097 (2.46)	.123 (3.1) .118 (3.0)	.090 (2.3)	.151 (3.84) .148 (3.76)	.182 (4.6) .179 (4.5)	.156 (4.0)	.138 (3.5)	0.174 (4.4)	.125 (3.2) .115 (2.9)	.0225 (.57)
423	0.161 (4.1)	.100 (2.54) .097 (2.46)	.123 (3.1) .118 (3.0)	.108 (2.7)	.151 (3.84) .148 (3.76)	.182 (4.6) .179 (4.5)	.156 (4.0)	.156 (4.0)	0.174 (4.4)	.125 (3.2) .115 (2.9)	.0355 (9.0)

Table I (Continued)

BIN Code	ØM Max	N Min	P	R	S	T	U Ref	ØV	ØW	X	ØZ Max
416	.052 (1.3)	.112 (2.8)	.103 (2.6) .096 (2.4)	.146 (3.7) .140 (3.6)	.039 (1.0) .033 (0.8)	.222 (5.64) .219 (5.56)	.3635 (9.2)	.0205 (.52) .0195 (.50)	.035 (0.9) .033 (0.8)	.613 (15.6) .603 (15.3)	.110 (2.8)
417	.052 (1.3)	.112 (2.8)	.103 (2.6) .096 (2.4)	.146 (3.7) .140 (3.6)	.039 (1.0) .033 (0.8)	.222 (5.64) .219 (5.56)	.3635 (9.2)	.0205 (.52) .0195 (.50)	.035 (0.9) .033 (0.8)	.613 (15.6) .603 (15.3)	.127 (3.2)
418	.052 (1.3)	.112 (2.8)	.103 (2.6) .096 (2.4)	.146 (3.7) .140 (3.6)	.039 (1.0) .033 (0.8)	.222 (5.64) .219 (5.56)	.3635 (9.2)	.0205 (.52) .0195 (.50)	.035 (0.9) .033 (0.8)	.613 (15.6) .603 (15.3)	.127 (3.2)
419	.052 (1.3)	.112 (2.8)	.103 (2.6) .096 (2.4)	.146 (3.7) .140 (3.6)	.039 (1.0) .033 (0.8)	.222 (5.64) .219 (5.56)	.3635 (9.2)	.0205 (.52) .0195 (.50)	.035 (0.9) .033 (0.8)	.613 (15.6) .603 (15.3)	.110 (2.8)
420	.052 (1.3)	.112 (2.8)	.103 (2.6) .096 (2.4)	.146 (3.7) .140 (3.6)	.039 (1.0) .033 (0.8)	.222 (5.64) .219 (5.56)	.3635 (9.2)	.0205 (.52) .0195 (.50)	.035 (0.9) .033 (0.8)	.613 (15.6) .603 (15.3)	.110 (2.8)
421	.052 (1.3)	.112 (2.8)	.103 (2.6) .096 (2.4)	.146 (3.7) .140 (3.6)	.039 (1.0) .033 (0.8)	.222 (5.64) .219 (5.56)	.3635 (9.2)	.0205 (.52) .0195 (.50)	.035 (0.9) .033 (0.8)	.613 (15.6) .603 (15.3)	.136 (3.5)
422	.052 (1.3)	.112 (2.8)	.103 (2.6) .096 (2.4)	.146 (3.7) .140 (3.6)	.039 (1.0) .033 (0.8)	.222 (5.64) .219 (5.56)	.3635 (9.2)	.0205 (.52) .0195 (.50)	.035 (0.9) .033 (0.8)	.613 (15.6) .603 (15.3)	.110 (2.8)
423	.052 (1.3)	0.355 (9.0)	.103 (2.6) .096 (2.4)	.146 (3.7) .140 (3.6)	.039 (1.0) .033 (0.8)	.222 (5.64) .219 (5.56)	.3635 (9.2)	.0205 (.52) .0195 (.50)	.035 (0.9) .033 (0.8)	.613 (15.6) .603 (15.3)	.127 (3.2)

Table III

Inner Contact		Outer Contact		Insertion Tool	Extraction Tool
Basic Crimping Tool	Positioner	Basic Crimping Tool	Positioner		
M22520/2-01	M22520/2-34	M22520/31-01	M22520/31-02	M81969/8-09 or M81969/14-04; DAK95-12B or DAK264-12	M81969/8-10 or M81969/14-04; DRK95-12B or DRK264-12

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