



Allen Electric Connector Sales, inc.



MIL-DTL-38999 CONTACTS, TOOLING, WIRE SIZES & SEALING PLUGS

MIL-C-38999 CONTACTS AND TOOLING

| CONTACT SIZE | MIL-C-39029/ CONTACTS | P/S | WIRE RANGE | WIRE BARREL | MATING END | M22520/ CRIMP TOOL | M22520/ POSITIONER | PLASTIC TOOLS INSERT/REMOVAL |
|---------------------------|-----------------------|-----|------------|-------------|------------|--------------------|--------------------|------------------------------|
| SERIES I & II SIZE 22D | 58-360 | P | 22-28 | 22D | 22 | 2-01 | 2-07 | M81969/14-01 GREEN/WHITE |
| | 56-348 | S | | | | | | |
| SERIES I & III | 56-363 | P | 20-24 | 20 | 20 | 1-01 2-01 | 1-04 2-10 | M81969/14-02 RED/WHITE |
| | 56-351 | S | | | | | | |
| SERIES I & III SIZE 16 | 58-364 | P | 16-20 | 16 | 16 | 1-01 | 1-04 | M81969/14-03 BLUE/WHITE |
| | 56-352 | S | | | | | | |
| SERIES I & III SIZE 12 | 58-353 | P | 12-14 | 12 | 12 | 1-01 | 1-04 | M81969/14-04 YELLOW/WHITE |
| | 56-353 | S | | | | | | |
| SERIES II SIZE 22D | 58-360 | P | 22-28 | 22D | 22 | 2-01 | 2-06 | M81969/14-01 GREEN/WHITE |
| | 57-354 | S | | | | | | |
| SERIES II SIZE 20 | 58-363 | P | 20-24 | 20 | 20 | 1-01 2-01 | 1-04 2-10 | M81969/14-02 RED/WHITE |
| | 57-357 | S | | | | | | |
| SERIES II SIZE 16 | 58-364 | P | 16-20 | 16 | 16 | 1-01 | 1-04 | M81969/14-03 BLUE/WHITE |
| | 57-354 | S | | | | | | |
| SERIES II SIZE 12 | 58-365 | P | 12-14 | 12 | 12 | 1-01 | 1-04 | M81969/14-04 YELLOW/WHITE |
| | 57-359 | S | | | | | | |

SEALING PLUGS

| CONTACT SIZE | MILITARY PART NUMBER | COLOR KEY |
|--------------|----------------------|-----------|
| 12 | MS27488-12 | YELLOW |
| 16 | MS27488-16 | BLUE |
| 20 | MS27488-20 | RED |
| 22D | MS27488-22 | BLACK |

WIRE SIZES AND DIAMETERS

| SERIES I, II, III | | FINISHED WIRE DIMENSIONS | |
|-------------------|-----------------|--------------------------|--------------------|
| CONTACT SIZE | WIRE SIZE (AWG) | MIN | MAX |
| 22D | 28, 26, 24, 22 | 0.76 mm .030 in | 1.37 mm .054 in |
| 20 | 24, 22, 20 | 1.02 mm .040 in | 2.11 mm .083 in |
| 16 | 20, 18, 16 | 1.65 mm .065 in | 2.77 mm 1.09 in |
| 12 | 14, 12 | 2.46 mm .097 in | 3.61 mm 1.42 in |

PIN CONTACTS

| SERIES I, II, III | |
|-------------------|------------------|
| PIN SIZE | M39029/ PART# |
| 22D | 58-360 |
| 20 | 58-363 |
| 16 | 58-364 |
| 12 | 58-365 |

SOCKET CONTACTS

| SERIES I, III | | | | | SERIES II |
|---------------|-----------------|----------------------|---------------------|------------------|------------------|
| SOCKET SIZE | WIRE SIZE (AWG) | WILL ACCEPT DIA. | SOCKET LENGTH | M39029/ PART# | M39029/ PART# |
| 22D | 28-22 | .775 mm .0305 in | 21.72 mm .855 in | 56-348 | 57-354 |
| 20 | 24-20 | 1.02 mm .040 in | 21.72 mm .855 in | 56-351 | 57-357 |
| 16 | 20-16 | 1.588 mm .0625 in | 21.72 mm .855 in | 56-352 | 57-358 |
| 12 | 14-12 | 2.39 mm .094 in | 21.72 mm .855 in | 56-353 | 57-359 |

For pricing and availability, please fill out our RFQ form



If you need any other information, please [E-Mail aecs@aecsinc.com](mailto:aecs@aecsinc.com)



phone (703) 425-3815 fax (703) 425-3814

We look forward to hearing from you!



A Woman Owned Small Business, CAGE Code 07BG6

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.150
.190

J THREAD

H — — —
MAX PANEL



H — — —
MAX PANEL

B ±.005

C DIA

B ±.005

C DIA

| SHELL | A | B | C | D | E | F | G | H | J |
|-------|------|-------|-------|-------|-------|------|-------|------|---------------|
| 5177 | MAX | ±.005 | ±.005 | ±.005 | MAX | -0.0 | +0.10 | MAX | 1/4-28 |
| 101 | 95.4 | 7.9 | 5.85 | 1.20 | 1.275 | .446 | .052 | .087 | 3/8-24 UNF-2A |