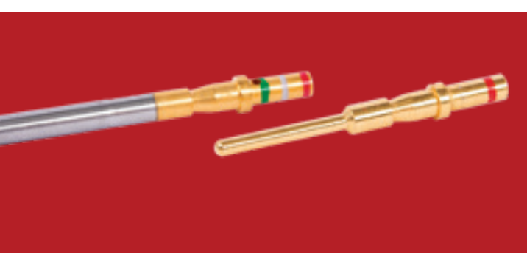
**DANIELS MANUFACTURING CORPORATION®**

# M39029 TOOLING GUIDE FOR POWER CONTACTS

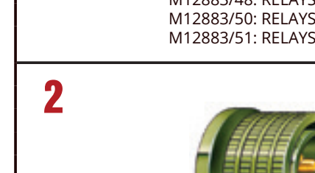
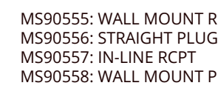
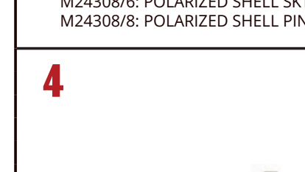
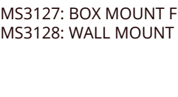
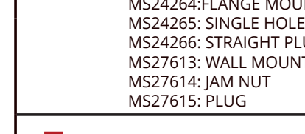
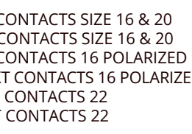
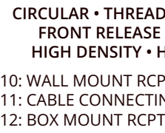


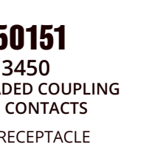
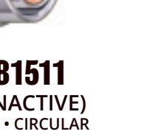
## QUICK REFERENCE

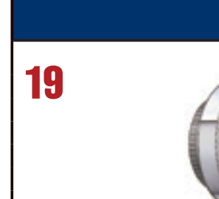
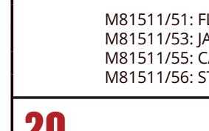
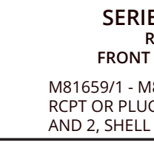
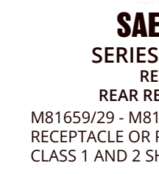
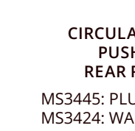
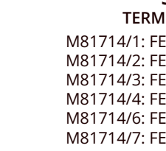
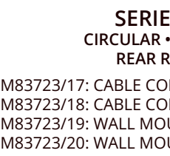
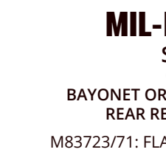
Refer to red number above connector image

| CONTACT PART NUMBER | CONNECTOR SERIES REFERENCE NUMBER |
|---|---|
| M39029/1 | 23 |
| M39029/2 | 20 |
| M39029/3 | 20 |
| M39029/4 | 5, 22, 27, 28 |
| M39029/5 | 1, 5, 22, 27, 28 |
| M39029/7 | SHIELDED |
| M39029/8 | SHIELDED |
| M39029/9 | THERMOCOUPLE |
| M39029/10 | THERMOCOUPLE |
| M39029/11 | 21 |
| M39029/12 | 21 |
| M39029/16 | 19 |
| M39029/17 | 18 |
| M39029/18 | 18, 19 |
| M39029/19 | SHIELDED |
| M39029/20 | SHIELDED |
| M39029/21 | SHIELDED |
| M39029/22 | 18, 19, 24 |
| M39029/23 | SHIELDED |
| M39029/24 | SHIELDED |
| M39029/25 | SHIELDED |
| M39029/26 | SHIELDED |
| M39029/27 | SHIELDED |
| M39029/28 | SHIELDED |
| M39029/29 | 15, 26 |
| M39029/30 | 15, 26 |
| M39029/31 | 4, 6, 9 |
| M39029/32 | 4, 6, 9 |
| M39029/33 | 16 |
| M39029/34 | 7 |
| M39029/35 | 7 |
| M39029/36 | 7 |
| M39029/37 | 7 |
| M39029/44 | 14, 30 |
| M39029/45 | 14, 30 |
| M39029/46 | 17 |
| M39029/47 | 16, 17 |
| M39029/48 | 2 |
| M39029/49 | 2 |
| M39029/50 | SHIELDED |
| M39029/51 | SHIELDED |
| M39029/54 | SHIELDED |
| M39029/55 | SHIELDED |
| M39029/56 | 10, 12, 13 |
| M39029/57 | 1, 3, 11, 28 |
| M39029/58 | 3, 10, 11, 12, 13, 28 |
| M39029/59 | SHIELDED |
| M39029/60 | SHIELDED |
| M39029/63 | 3 |
| M39029/64 | 3 |
| M39029/69 | 29 |
| M39029/70 | 29 |
| M39029/71 | WIREWRAP |
| M39029/72 | WIREWRAP |
| M39029/73 | SHIELDED |
| M39029/74 | SHIELDED |
| M39029/75 | SHIELDED |
| M39029/76 | SHIELDED |
| M39029/77 | SHIELDED |
| M39029/78 | SHIELDED |
| M39029/79 | SHIELDED |
| M39029/80 | SHIELDED |
| M39029/83 | 8 |
| M39029/84 | 8 |
| M39029/85 | THERMOCOUPLE |
| M39029/86 | THERMOCOUPLE |
| M39029/87 | THERMOCOUPLE |
| M39029/88 | THERMOCOUPLE |
| M39029/89 | THERMOCOUPLE |
| M39029/90 | TWINAX |
| M39029/91 | TWINAX |
| M39029/92 | 1 |
| M39029/93 | 25 |
| M39029/94 | 25 |
| M39029/97 | COAXIAL |
| M39029/98 | COAXIAL |
| M39029/101 | 1 |
| M39029/102 | COAXIAL |
| M39029/103 | COAXIAL |
| M39029/106 | 10, 12, 13 |
| M39029/107 | 10, 12, 13 |
| M39029/113 | TWINAX |
| M39029/114 | TWINAX |
| M39029/115 | COAXIAL |
| M39029/116 | COAXIAL |
| M39029/117 | 10, 12, 13 |
| M39029/118 | 10, 12, 13 |
| M39029/121 | 12 |
| M39029/122 | 12 |
| M39029/123 | 14, 30 |
| M39029/124 | 14, 30 |

DMC® has tools for shielded, twinax, coaxial, and thermocouple contacts. Contact DMC for more info.

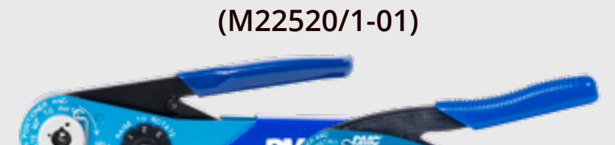
| CONNECTOR INFORMATION | COLOR CODE (BIN) | PART NUMBER (CURRENT) | PART NUMBER (SUPERSEDED) | PIN/ SKT | SIZE (AWG) | | WIRE RANGE | CRIMP TOOL AND ACCESSORY | | | | | | | ASSEMBLY TOOLS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MATING END | WIRE BARREL | | AF8/ AF8-ERGO | AFM8/ AFM8-ERGO | MH860/ MH860-ERGO | 1716P-1 | 39-000 | WA23/ WA23B (LOC) | WA23/ WA23B (DIE) | INSERTION | REMOVAL |
| **1**<br> <br>**MIL-DTL-12883**<br>RELAY SOCKET<br>M12883/40: RELAYS 4 POLE<br>M12883/41: RELAYS 2 POLE<br>M12883/44: RELAYS 4 POLE<br>M12883/45: RELAYS 2 POLE<br>M12883/46: RELAYS 3 POLE<br>M12883/48: RELAYS 3 POLE<br>M12883/50: RELAYS 2 POLE<br>M12883/51: RELAYS 4 POLE | BRN-BRN-BLU | M39029/5-116 | M39029/5-16-16 | S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK83-16B | DRK83-16B |
| | BRN-BRN-VIO | M39029/5-117 | M39029/5-16-20 | S | 16 | 20 | 20-24 | TH1A | | 86-2 | | | | | DAK83-16B | DRK83-16B |
| | BRN-BRN-GRA | M39029/5-118 | M39029/5-12-12 | S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK83-12B | DRK83-12B |
| | ORN-GRN-BLU | M39029/57-356 | MS27491-22 | S | 22 | 22 | 22-26 | | K41 | 86-5 | | | | | DAK95-22B | DRK95-22B |
| | ORN-GRN-VIO | M39029/57-357 | MS27491-20 | S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK95-20B | DRK95-20B |
| | ORN-GRN-GRA | M39029/57-358 | MS27491-16 | S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK95-16B | DRK95-16B |
| | GRN-ORN-BRN | M39029/92-531 | -- | S | 22 | 22 | 22-28 | | K1561 | | | | | | DAK95-22B | DRK95-22B |
| | GRN-ORN-RED | M39029/92-532 | -- | S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK95-20B | DRK95-20B |
| | GRN-ORN-ORN | M39029/92-533 | -- | S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK95-16B | DRK95-16B |
| | GRN-ORN-YEL | M39029/92-534 | -- | S | 16 | 20 | 20-24 | TH1A | | 86-2 | | | | | DAK95-16B | DRK95-16B |
| | GRN-ORN-GRN | M39029/92-535 | -- | S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK95-12B | DRK95-12B |
| | GRN-GRN-RED | M39029/101-552 | -- | S | 22 | 22 | 22-28 | | K330-2 | 86-19 | | | | | M81969/16-04 | M81969/16-04 |
| | GRN-GRN-ORN | M39029/101-553 | -- | S | 20 | 20 | 20-24 | TH343 | | 86-20 | | | | | M81969/16-01 | M81969/16-01 |
| | GRN-GRN-YEL | M39029/101-554 | -- | S | 16 | 16 | 16-20 | | | 86-21 | | | | | M81969/16-02 | M81969/16-02 |
| **2**<br><br>**MIL-DTL-22992**<br>CLASS L<br>CIRCULAR • HEAVY DUTY<br>FRONT RELEASE CONTACTS<br>MS90555: WALL MOUNT RCPT<br>MS90556: STRAIGHT PLUG<br>MS90557: IN-LINE RCPT<br>MS90558: WALL MOUNT PLUG | ORN-RED-VIO<br>ORN-RED-GRA<br>ORN-ORN-GRN | M39029/48-327<br>M39029/48-328<br>M39029/49-335 | MS90559-1<br>MS90559-2<br>MS90560-1 | P<br>P<br>S | 4/0<br>4/0N<br>4/0 | 4/0 | 4/0 | | | | | | WA23-16 | WA23-7 | BY HAND | DRK178-1A |
| | ORN-RED-GRN<br>ORN-RED-BLU<br>ORN-ORN-YEL | M39029/48-325<br>M39029/48-326<br>M39029/49-334 | MS90559-3<br>MS90559-3<br>MS90560-2 | P<br>P<br>S | 2/0<br>2/0N<br>2/0 | 2/0 | 2/0 | | | | | | WA23-15 | WA23-6 | BY HAND | DRK178-2A |
| | ORN-RED-ORN<br>ORN-RED-YEL<br>ORN-ORN-ORN | M39029/48-323<br>M39029/48-324<br>M39029/49-333 | MS90559-5<br>MS90559-6<br>MS90560-3 | P<br>P<br>S | 0<br>0N<br>0 | 0 | 0 | | | | | | WA23-14 | WA23-5 | BY HAND | DRK178-3A |
| | ORN-RED-BLK<br>ORN-RED-BRN<br>ORN-ORN-BRN | M39029/48-320<br>M39029/48-321<br>M39029/49-331 | MS90559-8<br>MS90559-9<br>MS90560-5 | P<br>P<br>S | 4<br>4N<br>4 | 4 | 4 | | | | | | WA23-12 | WA23-4 | BY HAND | DRK178-5A |
| | ORN-RED-RED<br>ORN-ORN-RED | M39029/48-322<br>M39029/49-332 | MS90559-13<br>MS90560-9 | P<br>S | 4G<br>4G | 4 | 4 | | | | | | WA23-12 | WA23-4 | BY HAND | DRK178-5A |
| | ORN-BRN-WHT<br>ORN-ORN-BLK | M39029/48-319<br>M39029/49-330 | MS90559-14<br>MS90560-8 | P<br>S | 6G<br>6G | 6<br>6 | 6<br>6 | | | | | | WA23-10 | WA23-3 | BY HAND | DRK178-6A |
| | ORN-BRN-VIO<br>ORN-BRN-GRA<br>ORN-RED-WHT | M39029/48-317<br>M39029/48-318<br>M39029/49-329 | MS90559-11<br>MS90559-12<br>MS90560-7 | P<br>P<br>S | 6<br>6N<br>6 | 6 | 6 | | | | | | WA23-10 | WA23-3 | BY HAND | DRK178-6A |
| **3**<br><br>**MIL-DTL-24308**<br>MINIATURE RECTANGULAR<br>RACK & PANEL<br>REAR RELEASE CONTACTS<br>M24308/2: POLARIZED SHELL SKT CONTACTS<br>M24308/4: POLARIZED SHELL PIN CONTACTS<br>M24308/6: POLARIZED SHELL SKT CONTACTS NON-MAG<br>M24308/8: POLARIZED SHELL PIN CONTACTS NON-MAG | ORN-BLU-WHT<br>ORN-BLU-GRA | M39029/64-369<br>M39029/63-368 | M24308/11-1<br>M24308/10-1 | P<br>S | 20 | 20 | 20-24 | TP585 | K13-1 | 86-30-1 | | | | | DAK145 | DRK145 |
| | WHT-BLU-GRA<br>WHT-RED-GRA | M39029/64-968<br>M39029/63-928 | N/A<br>N/A | P<br>S | 20 | 20 | 20-24 | TP585 | K13-1 | 86-30-1 | | | | | DAK145 | DRK145 |
| | ORN-BLU-BLK<br>ORN-GRN-YEL | M39029/58-360<br>M39029/57-354 | M24308/13-1<br>M24308/12-1 | P<br>S | 22 | 22D | 22-28 | | K42<br>K41 | 86-6<br>86-5 | | | | | DAK95-22MB | DRK95-22MB |
| | WHT-GRA-BLU<br>WHT-GRA-RED | M39029/58-986<br>M39029/57-982 | N/A<br>N/A | P<br>S | 22 | 22D | 22-28 | | K42<br>K41 | 86-6<br>86-5 | | | | | DAK95-22MB | DRK95-22MB |
| **4**<br><br>**MIL-DTL-26482**<br>SERIES 1<br>CIRCULAR • BAYONET COUPLING FRONT RELEASE CONTACTS<br>MS3120: WALL MOUNT FLANGE RCPT<br>MS3121: CABLE CONNECTING PLUG<br>MS3122: BOX MOUNT FLANGE RCPT<br>MS3124: JAM NUT REAR MOUNT RCPT<br>MS3126: STRAIGHT PLUG<br>MS3127: BOX MOUNT FLANGE RCPT<br>MS3128: WALL MOUNT FLANGE RCPT | RED-ORN-YEL<br>RED-GRN-ORN | M39029/31-234<br>M39029/32-253 | MS3192-12-12A<br>MS3193-12-12A | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK12B | DRK12B |
| | RED-ORN-BLU<br>RED-GRN-GRN | M39029/31-236<br>M39029/32-255 | MS3192-12-12B<br>MS3193-12-12B | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK12B | DRK12B |
| | RED-ORN-VIO<br>RED-GRN-BLU | M39029/31-237<br>M39029/32-256 | MS3192-12-12C1<br>MS3193-12-12C1 | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK12B | DRK12B |
| | RED-ORN-GRA<br>RED-GRN-VIO | M39029/31-238<br>M39029/32-257 | MS3192-12-12C2<br>MS3193-12-12C2 | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK12B | DRK12B |
| | RED-ORN-WHT<br>RED-GRN-GRA | M39029/31-239<br>M39029/32-258 | MS3192-12-12C3<br>MS3193-12-12C3 | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK12B | DRK12B |
| | RED-RED-GRA<br>RED-YEL-VIO | M39029/31-228<br>M39029/32-247 | MS3192-16-16A<br>MS3193-16-16A | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK16B | DRK16B |
| | RED-RED-WHT | M39029/31-229 | MC24254-16P | P | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK16B | DRK16B |
| | RED-ORN-BLK<br>RED-YEL-WHT | M39029/31-230<br>M39029/32-249 | MS3192-16-16B<br>MS3193-16-16B | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK16B | DRK16B |
| | RED-ORN-BRN<br>RED-GRN-BLK | M39029/31-231<br>M39029/32-250 | MS3192-16-16C1<br>MS3193-16-16C1 | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK16B | DRK16B |
| | RED-ORN-RED<br>RED-GRN-BRN | M39029/31-232<br>M39029/32-251 | MS3192-16-16C2<br>MS3193-16-16C2 | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK16B | DRK16B |
| | RED-ORN-ORN<br>RED-GRN-RED | M39029/31-233<br>M39029/32-252 | MS3192-16-16C3<br>MS3193-16-16C3 | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK16B | DRK16B |
| | RED-YEL-BLK<br>RED-GRN-WHT | M39029/31-240<br>M39029/32-259 | MS3192-20A-20A<br>MS3193-20A-20A | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK20B | DRK20B |
| | RED-RED-ORN<br>RED-YEL-RED | M39029/31-223<br>M39029/32-242 | MS3192-20-20A<br>MS3193-20-20A | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK20B | DRK20B |
| | RED-RED-YEL<br>RED-YEL-ORN | M39029/31-224<br>M39029/32-243 | MS3192-20-20B<br>MS3193-20-20B | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK20B | DRK20B |
| | RED-RED-GRN<br>RED-YEL-YEL | M39029/31-225<br>M39029/32-244 | MS3192-20-20C1<br>MS3193-20-20C1 | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK20B | DRK20B |
| | RED-RED-BLU<br>RED-YEL-GRN | M39029/31-226<br>M39029/32-245 | MS3192-20-20C2<br>MS3193-20-20C2 | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK20B | DRK20B |
| | RED-RED-VIO<br>RED-YEL-BLU | M39029/31-227<br>M39029/32-246 | MS3192-20-20C3<br>MS3193-20-20C3 | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK20B | DRK20B |
| **5**<br><br>**MIL-DTL-26482**<br>SERIES 2<br>CIRCULAR • BAYONET COUPLING REAR RELEASE CONTACTS<br>MS3470: WALL MOUNT FLANGE RCPT<br>MS3471: CABLE CONNECTING RCPT<br>MS3472: WIDE FLANGE WALL MOUNT RCPT<br>MS3474: JAM NUT REAR RCPT<br>MS3475: PLUG RFI<br>MS3476: STRAIGHT PLUG | BRN-BRN-ORN<br>BRN-BRN-GRA | M39029/4-113<br>M39029/5-118 | M39029/4-12-12<br>M39029/5-12-12 | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK83-12B | DRK83-12B |
| | BRN-BRN-YEL<br>BRN-BRN-WHT | M39029/4-114<br>M39029/5-119 | M39029/4-12-16<br>M39029/5-12-16 | P<br>S | 12 | 16 | 16-20 | TH1A | | | | | | | DAK83-12B | DRK83-12B |
| | BRN-BRN-BRN<br>BRN-BRN-BLU | M39029/4-111<br>M39029/5-116 | M39029/4-16-16<br>M39029/5-16-16 | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK83-16B<br>DAK95-16B | DRK83-16B<br>DRK95-16B |
| | BRN-BRN-RED<br>BRN-BRN-VIO | M39029/4-112<br>M39029/5-117 | M39029/4-16-20<br>M39029/5-16-20 | P<br>S | 16 | 20 | 20-24 | TH1A | | 86-2 | | | | | DAK83-16B | DRK83-16B |
| | BRN-BRN-BLK<br>BRN-BRN-GRN | M39029/4-110<br>M39029/5-115 | M39029/4-20-20<br>M39029/5-20-20 | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK83-20B | DRK83-20B |
| **6**<br><br>**MIL-DTL-26500**<br>CIRCULAR • THREADED OR BAYONET COUPLING • FRONT RELEASE CONTACTS<br>MS24264:FLANGE MOUNT RCPT<br>MS24265: SINGLE HOLE MOUNT RCPT<br>MS24266: STRAIGHT PLUG<br>MS27613: WALL MOUNT RCPT<br>MS27614: JAM NUT<br>MS27615: PLUG | RED-ORN-GRN<br>RED-GRN-YEL | M39029/31-235<br>M39029/32-254 | MS24254-12P<br>MS24255-12S | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK12B | DRK12B |
| | RED-RED-WHT<br>RED-YEL-GRA | M39029/31-229<br>M39029/32-248 | MS24254-16P<br>MS24255-16S | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK16B | DRK16B |
| | BLU-RED-VIO<br>RED-BLU-BLK | M39029/31-627<br>M39029/32-260 | M39029/31-247<br>MS24255-20S | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK20B | DRK20B |
| | YEL-YEL-GRA<br>YEL-YEL-WHT | M39029/31-448<br>M39029/32-449 | M39029/31-20-20<br>M39029/32-20-20 | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK20B | DRK20B |
| **7**<br><br>**MIL-DTL-28748**<br>RECTANGULAR • RACK AND PANEL<br>M28748/3: PIN CONTACTS SIZE 16 & 20<br>M28748/4: SKT CONTACTS SIZE 16 & 20<br>M28748/9: PIN CONTACTS 16 POLARIZED CTR SCREW LOCK<br>M278748/10: SKT CONTACTS 16 POLARIZED CTR SCREW LOCK<br>M28748/13: PIN CONTACTS 22<br>M28748/14: SKT CONTACTS 22 | RED-VIO-GRA<br>RED-GRA-BLK | M39029/36-278<br>M39029/37-280 | MS17807-16-16<br>MS17808-16-16 | P<br>S | 16 | 16 | 16-20 | TH4 | | | | | | | DAK123A | DRK124A |
| | RED-VIO-VIO<br>RED-VIO-WHT | M39029/36-277<br>M39029/37-279 | MS17807-16-20<br>MS17808-16-20 | P<br>S | 16 | 20 | 20-24 | TH4 | | | | | | | DAK123A | DRK124A |
| | RED-VIO-ORN<br>RED-VIO-BLU | M39029/34-273<br>M39029/35-276 | MS17803-16-16<br>MS17804-16-16 | P<br>S | 16 | 16 | 16-20 | TH4 | | 86-146 | | | | | DAK123A | DRK124A |
| | RED-VIO-RED<br>RED-VIO-GRN | M39029/34-272<br>M39029/35-275 | MS17803-16-20<br>MS17804-16-20 | P<br>S | 16 | 20 | 20-24 | TH4 | | 86-146 | | | | | DAK123A | DRK124A |
| | RED-VIO-BRN<br>RED-VIO-YEL | M39029/34-271<br>M39029/35-274 | MS17803-20-20<br>MS17804-20-20 | P<br>S | 20 | 20 | 20-24 | TH4 | | 86-146 | | | | | DAK123A | DRK124A |
| | YEL-YEL-BLK<br>YEL-YEL-BRN | M39029/34-440<br>M39029/35-441 | M39029/34-22-22<br>M39029/35-22-22 | P<br>S | 22 | 22 | 22-26 | | K280 | | | | | | DAK123-22A | DRK124-22A |
| **8**<br><br>**MIL-DTL-28840**<br>CIRCULAR • THREADED COUPLING<br>FRONT RELEASE CONTACTS<br>HIGH DENSITY • HIGH SHOCK<br>M28840/10: WALL MOUNT RCPT<br>M28840/11: CABLE CONNECTING RCPT<br>M28840/12: BOX MOUNT RCPT<br>M28840/14: JAM NUT MOUNT RCPT<br>M28840/16: STRAIGHT PLUG<br>M28840/17: PLUG OPEN WIRE ASSEMBLY<br>M28840/18: PLUG OPEN WIRE ASSEMBLY 90° ELBOW<br>M28840/19: PLUG OPEN WIRE ASSEMBLY 45° ELBOW<br>M28840/20: WALL MOUNT ASSEMBLY STRAIGHT<br>M28840/21: CABLE CONVERTING ASSEMBLY STRAIGHT<br>M28840/26: PLUG ASSEMBLY STRAIGHT<br>M28840/28: PLUG ASSEMBLY 90° ELBOW<br>M28840/29: PLUG ASSEMBLY 45° ELBOW | GRN-BLK-GRA<br>GRN-BLK-WHT | M39029/83-508<br>M39029/84-509 | M39029/83-20-20<br>M39029/84-20-20 | P<br>S | 20 | 20 | 20-24 | | | | | 39-102 | | | DAK55-22SA | DRK56-22A |
| | YEL-GRN-BLK<br>YEL-GRN-RED | M39029/83-450<br>M39029/84-452 | M39029/83-20-22<br>M39029/84-20-22 | P<br>S | 20 | 22 | 22-26 | | | | | 39-102 | | | DAK55-22SA | DRK56-22A |
| | YEL-GRN-BRN<br>YEL-GRN-ORN | M39029/83-451<br>M39029/84-453 | M39029/83-20-28<br>M39029/84-20-28 | P<br>S | 20 | 28 | 28-32 | | | | | 39-102 | | | DAK55-22SA | DRK56-22A |
| **9**<br> <br>**MIL-C-38300**<br>CIRCULAR • THREADED OR BAYONET COUPLING • FRONT RELEASE CONTACTS<br>MS24264: FLANGE MOUNT RCPT<br>MS24265: SINGLE HOLE MOUNT RCPT<br>MS24266: STRAIGHT PLUG | RED-RED-WHT<br>RED-YEL-GRA | M39029/31-229<br>M39029/32-248 | MS24254-16P<br>MS24255-16S | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK16B | DRK16B |
| | RED-BLU-BLK | M39029/32-260 | MS24255-20S | S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK20B | DRK20B |
| **10**<br> <br>**MIL-DTL-38999**<br>SERIES 1<br>SCOOP PROOF • CIRCULAR • BAYONET COUPLING • REAR RELEASE CONTACTS<br>MS27466: WALL MOUNT FLANGE RCPT<br>MS27467: STRAIGHT PLUG<br>MS27468: JAM NUT MOUNT RCPT<br>MS27496: RCPT<br>MS27505: BOX MOUNT FLANGE RCPT<br>MS27656: BACK PANEL WALL MOUNT RCPT | GRN-RED-GRA<br>GRN-RED-VIO | M39029/58-528<br>M39029/56-527 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK95-10B | DRK95-10B |
| | BLU-RED-YEL<br>BLU-BRN-GRA | M39029/107-624<br>M39029/106-618 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK95-10B | DRK95-10B |
| | BLU-BLU-GRN<br>BLU-YEL-ORN | M93029/118-655<br>M93029/117-643 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK722-10 or DAK95-10B | DRK722-10 or DRK95-10B |
| | BLU-YEL-WHT<br>BLU-ORN-VIO | M93029/118-649<br>M93029/117-637 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK722-10 or DAK95-10B | DRK722-10 or DRK95-10B |
| | ORN-BLU-GRN<br>ORN-GRN-ORN | M39029/58-365<br>M39029/56-353 | MS27493-12<br>MS27490-12 | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK95-12B | DRK95-12B |
| | BLU-RED-ORN<br>BLU-BRN-VIO | M39029/107-623<br>M39029/106-617 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK95-12B | DRK95-12B |
| | BLU-GRN-YEL<br>BLU-YEL-RED | M39029/118-654<br>M39029/117-642 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK722-12 or DAK95-12B | DRK722-12 or DRK95-12B |
| | BLU-YEL-GRA<br>BLU-ORN-BLU | M39029/118-648<br>M39029/117-636 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK722-12 or DAK95-12B | DRK722-12 or DRK95-12B |
| | ORN-BLU-YEL<br>ORN-GRN-RED | M39029/58-364<br>M39029/56-352 | MS27493-16<br>MS27490-16 | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK95-16B | DRK95-16B |
| | BLU-RED-RED<br>BLU-BRN-BLU | M39029/107-622<br>M39029/106-616 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK95-16B | DRK95-16B |
| | BLU-GRN-ORN<br>BLU-YEL-BRN | M39029/118-653<br>M39029/117-641 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK722-16 or DAK95-16B | DRK722-16 or DRK95-16B |
| | BLU-YEL-VIO<br>BLU-ORN-GRN | M39029/118-647<br>M39029/117-635 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK722-16 or DAK95-16B | DRK722-16 or DRK95-16B |
| | ORN-BLU-ORN<br>ORN-GRN-BRN | M39029/58-363<br>M39029/56-351 | MS27493-20<br>MS27490-20 | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK95-20B | DRK95-20B |
| | BLU-RED-BRN<br>BLU-BRN-GRN | M39029/107-621<br>M39029/106-615 | --<br>-- | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK95-20B | DRK95-20B |
| | BLU-GRN-RED<br>BLU-YEL-BLK | M39029/118-652<br>M39029/117-640 | --<br>-- | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK722-20 or DAK95-20B | DRK722-20 or DRK95-20B |
| | BLU-YEL-BLU<br>BLU-ORN-YEL | M39029/118-646<br>M39029/117-634 | --<br>-- | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK722-20 or DAK95-20B | DRK722-20 or DRK95-20B |
| | ORN-BLU-RED<br>ORN-GRN-BLK | M39029/58-362<br>M39029/56-350 | MS27493-22<br>MS27490-22 | P<br>S | 22 | 22 | 22-26 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22B | DRK95-22B |
| | ORN-BLU-BRN<br>ORN-YEL-WHT | M39029/58-361<br>M39029/56-349 | MS27493-22M<br>MS27490-22M | P<br>S | 22 | 22M | 24-28<br>24-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22MB | DRK95-22MB |
| | ORN-BLU-BLK<br>ORN-YEL-GRA | M39029/58-360<br>M39029/56-348 | MS27493-22D<br>MS27490-22D | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22MB | DRK95-22MB |
| | BLU-RED-BLK<br>BLU-BRN-YEL | M39029/107-620<br>M39029/106-614 | --<br>-- | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22MB | DRK95-22MB |
| | BLU-GRN-BLK<br>BLU-ORN-GRA | M39029/118-650<br>M39029/117-638 | --<br>-- | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK722-22D or DAK95-22MB | DRK22-22D or DRK95-22MB |
| | BLU-YEL-YEL<br>BLU-ORN-RED | M39029/118-644<br>M39029/117-632 | --<br>-- | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK722-22D or DAK95-22MB | DRK722-22D or DRK95-22MB |

| CONNECTOR INFORMATION | COLOR CODE (BIN) | PART NUMBER (CURRENT) | PART NUMBER (SUPERSEDED) | PIN/ SKT | SIZE (AWG) | | WIRE RANGE | CRIMP TOOL AND ACCESSORY | | | | | | | ASSEMBLY TOOLS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MATING END | WIRE BARREL | | AF8/ AF8-ERGO | AFM8/ AFM8-ERGO | MH860/ MH860-ERGO | 1716P-1 | 39-000 | WA23/ WA23B (LOC) | WA23/ WA23B (DIE) | INSERTION | REMOVAL |
| **11**<br> <br>**MIL-DTL-38999**<br>SERIES 2<br>LOW SILHOUETTE • CIRCULAR • BAYONET COUPLING • REAR RELEASE CONTACTS<br>MS27472: WALL MOUNT FLANGE RCPT<br>MS27473: STRAIGHT PLUG<br>MS27474: JAM NUT MOUNT RCPT<br>MS27499: BOX MOUNT RCPT<br>MS27508: BOX MOUNT FLANGE RCPT<br>MS27497: BACK PANEL WALL MOUNT RCPT<br>MS27484: RFI PLUG | ORN-BLU-GRN<br>ORN-GRN-WHT | M39029/58-365<br>M39029/57-359 | MS27493-12<br>MS27491-12 | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK95-12B | DRK95-12B |
| | ORN-BLU-YEL<br>ORN-GRN-GRA | M39029/58-364<br>M39029/57-358 | MS27493-16<br>MS27491-16 | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK95-16B | DRK95-16B |
| | ORN-BLU-ORN<br>ORN-GRN-VIO | M39029/58-363<br>M39029/57-357 | MS27493-10<br>MS27491-20 | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK95-20B | DRK95-20B |
| | ORN-BLU-RED<br>ORN-GRN-BLU | M39029/58-362<br>M39029/57-356 | MS27493-22<br>MS27491-22 | P<br>S | 22 | 22 | 22-26 | | K42<br>K41 | 86-6<br>86-5 | | | | | DAK95-22B | DRK95-22B |
| | ORN-BLU-BRN<br>ORN-GRN-GRN | M39029/58-361<br>M39029/57-355 | MS27493-22M<br>MS27491-22M | P<br>S | 22 | 22M | 24-28 | | K42<br>K41 | 86-6<br>86-5 | | | | | DAK95-22MB | DRK95-22MB |
| | ORN-BLU-BLK<br>ORN-GRN-YEL | M39029/58-360<br>M39029/57-354 | MS27493-22D<br>MS27491-22D | P<br>S | 22 | 22D | 22-28 | | K42<br>K41 | 86-6<br>86-5 | | | | | DAK95-22MB | DRK95-22MB |
| **12**<br> <br>**MIL-DTL-38999**<br>SERIES 3<br>TRI-START COUPLING • CIRCULAR REAR RELEASE CONTACTS<br>D38999/20: WALL MOUNT FLANGE RCPT<br>D38999/24: JAM NUT MOUNT RCPT<br>D38999/26: STRAIGHT PLUG<br>D38999/29: LANYARD RELEASE PLUG<br>D38999/31: LANYARD RELEASE PLUG<br>D38999/34: JAM NUT MOUNT RCPT<br>D38999/35: WALL MOUNT RCPT<br>D38999/36: LANYARD RELEASE PLUG | GRN-RED-GRA<br>GRN-RED-VIO | M39029/58-528<br>M39029/56-527 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK95-10B | DRK95-10B |
| | BLU-VIO-GRN<br>BLU-BLU-GRA | M39029/122-675<br>M39029/121-668 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK95-10B | DRK95-10B |
| | BLU-RED-YEL<br>BLU-BRN-GRA | M39029/107-624<br>M39029/106-618 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK95-10B | DRK95-10B |
| | BLU-BLU-GRN<br>BLU-YEL-ORN | M93029/118-655<br>M93029/117-643 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK722-10 or DAK95-10B | DRK722-10 or DRK95-10B |
| | BLU-YEL-WHT<br>BLU-ORN-VIO | M93029/118-649<br>M93029/117-637 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK722-10 or DAK95-10B | DRK722-10 or DRK95-10B |
| | ORN-BLU-GRN<br>ORN-GRN-ORN | M39029/58-365<br>M39029/56-353 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK95-12B | DRK95-12B |
| | BLU-VIO-YEL<br>BLU-BLU-VIO | M39029/122-674<br>M39029/121-667 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK95-12B | DRK95-12B |
| | BLU-RED-ORN<br>BLU-BRN-VIO | M39029/107-623<br>M39029/106-617 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK95-12B | DRK95-12B |
| | BLU-GRN-YEL<br>BLU-YEL-RED | M39029/118-654<br>M39029/117-642 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK722-12 or DAK95-12B | DRK722-12 or DRK95-12B |
| | BLU-YEL-GRA<br>BLU-ORN-BLU | M39029/118-648<br>M39029/117-636 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK722-12 or DAK95-12B | DRK722-12 or DRK95-12B |
| | ORN-BLU-YEL<br>ORN-GRN-RED | M39029/58-364<br>M39029/56-352 | MS27493-16<br>MS27490-16 | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK95-16B | DRK95-16B |
| | BLU-VIO-ORN<br>BLU-BLU-BLU | M39029/122-673<br>M39029/121-666 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK95-16B | DRK95-16B |
| | BLU-RED-RED<br>BLU-BRN-BLU | M39029/107-622<br>M39029/106-616 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK95-16B | DRK95-16B |
| | BLU-GRN-ORN<br>BLU-YEL-BRN | M39029/118-653<br>M39029/117-641 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK722-16 or DAK95-16B | DRK722-16 or DRK95-16B |
| | BLU-YEL-VIO<br>BLU-ORN-GRN | M39029/118-647<br>M39029/117-635 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK722-16 or DAK95-16B | DRK722-16 or DRK95-16B |
| | ORN-BLU-ORN<br>ORN-GRN-BRN | M39029/58-363<br>M39029/56-351 | MS27493-20<br>MS27490-20 | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK95-20B | DRK95-20B |
| | BLU-VIO-RED<br>BLU-BLU-GRN | M39029/122-672<br>M39029/121-665 | --<br>-- | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK95-20B | DRK95-20B |
| | BLU-RED-BRN<br>BLU-BRN-GRN | M39029/107-621<br>M39029/106-615 | --<br>-- | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK95-20B | DRK95-20B |
| | BLU-GRN-RED<br>BLU-YEL-BLK | M39029/118-652<br>M39029/117-640 | --<br>-- | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK722-20 or DAK95-20B | DRK722-20 or DRK95-20B |
| | BLU-YEL-BLU<br>BLU-ORN-YEL | M39029/118-646<br>M39029/117-634 | --<br>-- | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK722-20 or DAK95-20B | DRK722-20 or DRK95-20B |
| | ORN-BLU-RED<br>ORN-GRN-BLK | M39029/58-362<br>M39029/56-350 | MS27493-22<br>MS27490-22 | P<br>S | 22 | 22 | 22-26 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22B | DRK95-22B |
| | ORN-BLU-BRN<br>ORN-YEL-WHT | M39029/58-361<br>M39029/56-349 | MS27493-22M<br>MS27490-22M | P<br>S | 22 | 22M | 24-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22MB | DRK95-22MB |
| | ORN-BLU-BLK<br>ORN-YEL-GRA | M39029/58-360<br>M39029/56-348 | MS27493-22D<br>MS27490-22D | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22MB | DRK95-22MB |
| | BLU-VIO-BRN<br>BLU-BLU-YEL | M39029/122-671<br>M39029/121-664 | --<br>-- | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22MB | DRK95-22MB |
| | BLU-RED-BLK<br>BLU-BRN-YEL | M39029/107-620<br>M39029/106-614 | --<br>-- | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22MB | DRK95-22MB |
| | BLU-GRN-BLK<br>BLU-ORN-GRA | M39029/118-650<br>M39029/117-638 | --<br>-- | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK722-22D or DAK95-22MB | DRK22-22D or DRK95-22MB |
| | BLU-YEL-YEL<br>BLU-ORN-RED | M39029/118-644<br>M39029/117-632 | --<br>-- | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK722-22D or DAK95-22MB | DRK22-22D or DRK95-22MB |
| | BLU-VIO-BLK<br>BLU-BLU-ORN | M39029/122-670<br>M39029/121-663 | --<br>-- | P<br>S | 23 | 22 | 22-28 | | K338<br>K339 | | | | | | M81969/1-05 | M81969/1-05 |
| | BLU-BLU-WHT<br>BLU-BLU-RED | M39029/122-669<br>M39029/121-662 | --<br>-- | P<br>S | 23 | 26 | 24-28 | | K339 | | | | | | M81969/1-05 | M81969/1-05 |
| **13**<br> <br>**MIL-DTL-38999**<br>SERIES 4<br>BREECH LOCK COUPLING • CIRCULAR<br>REAR RELEASE CONTACTS<br>D38999/40: WALL MOUNT FLANGE RCPT<br>D38999/42: BOX MOUNT FLANGE RCPT<br>D38999/44: JAM NUT MOUNT RCPT<br>D38999/46: STRAIGHT PLUG<br>D38999/47: STRAIGHT PLUG<br>D38999/49: CABLE MOUNT RCPT | BLU-RED-YEL<br>BLU-BRN-GRA | M39029/107-624<br>M39029/106-618 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK95-10B | DRK95-10B |
| | BLU-BLU-GRN<br>BLU-YEL-ORN | M93029/118-655<br>M93029/117-643 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK722-10 or DAK95-10B | DRK722-10 or DRK95-10B |
| | BLU-YEL-WHT<br>BLU-ORN-VIO | M93029/118-649<br>M93029/117-637 | --<br>-- | P<br>S | 10 | 10 | 10 | | | | AFFIXED TO HEAD | | | | DAK722-10 or DAK95-10B | DRK722-10 or DRK95-10B |
| | ORN-BLU-GRN<br>ORN-GRN-ORN | M39029/58-365<br>M39029/56-353 | MS27493-12<br>MS27490-12 | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK95-12B | DRK95-12B |
| | BLU-RED-ORN<br>BLU-BRN-VIO | M39029/107-623<br>M39029/106-617 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK95-12B | DRK95-12B |
| | BLU-GRN-YEL<br>BLU-YEL-RED | M39029/118-654<br>M39029/117-642 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK722-12 or DAK95-12B | DRK722-12 or DRK95-12B |
| | BLU-YEL-GRA<br>BLU-ORN-BLU | M39029/118-648<br>M39029/117-636 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK722-12 or DAK95-12B | DRK722-12 or DRK95-12B |
| | ORN-BLU-YEL<br>ORN-GRN-RED | M39029/58-364<br>M39029/56-352 | MS27493-16<br>MS27490-16 | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK95-16B | DRK95-16B |
| | BLU-RED-RED<br>BLU-BRN-BLU | M39029/107-622<br>M39029/106-616 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK95-16B | DRK95-16B |
| | BLU-GRN-ORN<br>BLU-YEL-BRN | M39029/118-653<br>M39029/117-641 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK722-16 or DAK95-16B | DRK722-16 or DRK95-16B |
| | BLU-YEL-VIO<br>BLU-ORN-GRN | M39029/118-647<br>M39029/117-635 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK722-16 or DAK95-16B | DRK722-16 or DRK95-16B |
| | ORN-BLU-ORN<br>ORN-GRN-BRN | M39029/58-363<br>M39029/56-351 | MS27493-20<br>MS27490-20 | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK95-20B | DRK95-20B |
| | BLU-RED-BRN<br>BLU-BRN-GRN | M39029/107-621<br>M39029/106-615 | --<br>-- | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK95-20B | DRK95-20B |
| | BLU-GRN-RED<br>BLU-YEL-BLK | M39029/118-652<br>M39029/117-640 | --<br>-- | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK722-20 or DAK95-20B | DRK722-20 or DRK95-20B |
| | ORN-BLU-RED<br>ORN-BLU-RED | M39029/118-646<br>M39029/117-634 | --<br>-- | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK722-20 or DAK95-20B | DRK722-20 or DRK95-20B |
| | ORN-BLU-RED<br>ORN-GRN-BLK | M39029/58-362<br>M39029/56-350 | MS27493-22<br>MS27490-22 | P<br>S | 22 | 22 | 22-26 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22B | DRK95-22B |
| | ORN-BLU-BRN<br>ORN-YEL-WHT | M39029/58-361<br>M39029/56-349 | MS27493-22M<br>MS27490-22M | P<br>S | 22 | 22M | 24-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22MB | DRK95-22MB |
| | ORN-BLU-BLK<br>ORN-YEL-GRA | M39029/58-360<br>M39029/56-348 | MS27493-22D<br>MS27490-22D | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22MB | DRK95-22MB |
| | BLU-RED-BLK<br>BLU-BRN-YEL | M39029/107-620<br>M39029/106-614 | --<br>-- | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK95-22MB | DRK95-22MB |
| | BLU-GRN-BLK<br>BLU-ORN-GRA | M39029/118-650<br>M39029/117-638 | --<br>-- | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK722-22D or DAK95-22MB | DRK722-22D or DRK95-22MB |
| | BLU-YEL-YEL<br>BLU-ORN-RED | M39029/118-644<br>M39029/117-632 | --<br>-- | P<br>S | 22 | 22D | 22-28 | | K42<br>K40 | 86-6<br>86-4 | | | | | DAK722-22D or DAK95-22MB | DRK722-22D or DRK95-22MB |
| **14**<br> <br>**SAE AS50151**<br>SERIES 3400<br>CIRCULAR • THREADED COUPLING<br>FRONT RELEASE CONTACTS<br>FORMERLY MIL-C-5015<br>MS3400: WALL MOUNT RCPT<br>MS3401: CABLE CONNECTING RCPT<br>MS3402: BOX MOUNT RCPT<br>MS3404: JAM NUT MOUNT RCPT<br>MS3406: STRAIGHT PLUG<br>MS3408: PLUG 90°<br>MS3409: PLUG 45°<br>MS3412: WALL MOUNT RCPT (AN TYPE) | RED-WHT-ORN<br>ORN-BLK-BLK | M39029/44-293<br>M39029/45-300 | MS90453-0-0<br>MS90454-0-0 | P<br>S | 0 | 0 | 0-2 | | | | | | WA23-13 | WA23-5 | DAK55-0B | DRK56-0B |
| | BLU-GRA-GRN<br>BLU-GRA-BLK | M39029/124-685<br>M39029/123-680 | --<br>-- | P<br>S | 0 | 0 | 0-2 | | | | | | WA23-13 | WA23-5 | DAK55-0B | DRK56-0B |
| | RED-WHT-RED<br>RED-WHT-WHT | M39029/44-292<br>M39029/45-299 | MS90453-4-0<br>MS90454-4-0 | P<br>S | 4 | 4 | 4-6 | | | | | | WA23-11 | WA23-4 | DAK55-4B | DRK56-4B |
| | BLU-GRA-YEL<br>BLU-VIO-WHT | M39029/124-684<br>M39029/123-679 | --<br>-- | P<br>S | 4 | 4 | 4-6 | | | | | | WA23-11 | WA23-4 | DAK55-4B | DRK56-4B |
| | RED-WHT-BRN<br>RED-WHT-GRA | M39029/44-291<br>M39029/45-298 | MS90453-8-0<br>MS90454-8-0 | P<br>S | 8 | 8 | 8-10 | | | | | | WA23-9 | WA23-2 | DAK55-8B | DRK56-8B |
| | BLU-GRA-ORN<br>BLU-VIO-GRA | M39029/124-683<br>M39029/123-678 | --<br>-- | P<br>S | 8 | 8 | 8-10 | | | | | | WA23-9 | WA23-2 | DAK55-8B | DRK56-8B |
| | RED-WHT-BLK<br>RED-WHT-VIO | M39029/44-290<br>M39029/45-297 | MS90453-12-12<br>MS90454-12-12 | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK-12B | DRK-12B |
| | BLU-GRA-ORN<br>BLU-VIO-VIO | M39029/124-682<br>M39029/123-677 | --<br>-- | P<br>S | 12 | 12 | 16-20 | TH1A | | | | | | | DAK-12B | DRK-16B |
| | RED-GRA-WHT<br>RED-WHT-BLU | M39029/44-289<br>M39029/45-296 | MS90453-12-16<br>MS90454-12-16 | P<br>S | 12 | 16 | 16-20 | TH1A | | | | | | | DAK-16B | DRK-16B |
| | RED-GRA-GRA<br>RED-WHT-GRN | M39029/44-288<br>M39029/45-295 | MS90453-16-16<br>MS90454-16-16 | P<br>S | 16 | 16 | 16-20 | TH1A | | | | | | | DAK-16B | DRK-16B |
| | BLU-GRA-BRN<br>BLU-VIO-BLU | M39029/124-681<br>M39029/123-676 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK-16B | DRK-16B |
| | RED-GRA-VIO<br>RED-WHT-YEL | M39029/44-287<br>M39029/45-294 | MS90453-16-22<br>MS90454-16-22 | P<br>S | 16 | 22 | 22-26 | TH1A | | | | | | | DAK-16B | DRK-16B |
| **15**<br><br>**SAE AS50151**<br>SERIES 3450<br>CIRCULAR • THREADED COUPLING<br>REAR RELEASE CONTACTS<br>MS3450: WALL MOUNT RECEPTACLE<br>MS3451: CABLE CONNECTING RECEPTACLE<br>MS3452: BOX MOUNT RECEPTACLE<br>MS3454: JAM NUT MOUNT RECEPTACLE<br>MS3456: STRAIGHT PLUG<br>MS3459: SELF-LOCK COUPLING PLUG | RED-BRN-BLU<br>RED-RED-RED | M39029/29-216<br>M39029/30-222 | M39029/29-0-0<br>M39029/30-0-0 | P<br>S | 0 | 0 | 0 | | | | | | WA23-13 | WA23-5 | BY HAND | DRK250-0 or M81969/14-08 |
| | RED-BRN-GRN<br>RED-RED-BRN | M39029/29-215<br>M39029/30-221 | M39029/29-4-4<br>M39029/30-4-4 | P<br>S | 4 | 4 | 4 | | | | | | WA23-11 | WA23-4 | BY HAND | DRK250-4 or M81969/14-07 |
| | RED-BRN-YEL<br>RED-RED-BLK | M39029/29-214<br>M39029/30-220 | M39029/29-8-8<br>M39029/30-8-8 | P<br>S | 8 | 8 | 8 | | | | | | WA23-9 | WA23-2 | BY HAND | DRK250-8 or M81969/14-06 |
| | RED-BRN-ORN<br>RED-BRN-WHT | M39029/29-213<br>M39029/30-219 | M39029/29-12-12<br>M39029/30-12-12 | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK83-12B | DRK83-12B |
| | RED-BRN-RED<br>RED-BRN-GRA | M39029/29-212<br>M39029/30-218 | M39029/29-16-16<br>M39029/30-16-16 | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK83-16B | DRK83-16B |
| **16**<br><br>**SAE AS81511**<br>SERIES 1(INACTIVE)<br>SCOOP PROOF • CIRCULAR<br>BAYONET COUPLING<br>FRONT RELEASE CONTACTS<br>M81511/21: FLANGE MOUNT RCPT<br>M81511/35: FLANGE MOUNT RCPT<br>M81511/23: JAM NUT RCPT<br>M81511/36: JAM NUT RCPT<br>M81511/25: CABLE CONNECTING RCPT<br>M81511/37: CABLE CONNECTING RCPT<br>M81511/26: STRAIGHT PLUG<br>M81511/38: STRAIGHT PLUG | ORN-ORN-WHT<br>RED-VIO-BLK | M39029/47-339<br>M39029/33-270 | MS90461A12-12<br>MS3343A12-12 | P<br>S | 12 | 12 | 12-14 | TH199S | | | | | | | DAK126-12A | DRK125-12A<br>DRK129-12A |
| | ORN-ORN-VIO<br>RED-BLU-GRA | M39029/47-337<br>M39029/33-268 | MS90461A16-16<br>MS3343A16-16 | P<br>S | 16 | 16 | 16-20 | TH199S | | 86-12S | | | | | DAK126-16A | DRK125-16A<br>DRK129-16A |
| | ORN-BRN-BLU<br>RED-BLU-BLU | M39029/47-316<br>M39029/33-266 | MS90461A20-20<br>MS3343A20-20 | P<br>S | 20 | 20 | 20-24 | TH199S | | 86-11S | | | | | DAK126-20A | DRK125-20A<br>DRK129-20A |
| | ORN-BRN-YEL<br>RED-BLU-YEL | M39029/47-314<br>M39029/33-264 | MS90461A23-22<br>MS3343A23-22 | P<br>S | 23 | 22 | 22-26 | | K60S | | | | | | DAK126-23A | DRK125-23A<br>DRK129-23A |
| | ORN-BRN-RED<br>RED-BLU-RED | M39029/47-312<br>M39029/33-262 | MS90461A23-28<br>MS3343A23-28 | P<br>S | 23 | 28 | 28-32 | | K60S | | | | | | DAK126-23A | DRK125-23A<br>DRK129-23A |
| **17**<br> <br>**SAE AS81511**<br>SERIES 2 (INACTIVE)<br>50% SCOOP PROOF • CIRCULAR BAYO-NET COUPLING<br>FRONT RELEASE CONTACTS<br>M81511/1: FLANGE MOUNT RCPT<br>M81511/31: FLANGE MOUNT RCPT<br>M81511/3: JAM NUT MOUNT RCPT<br>M81511/32: JAM NUT MOUNT RCPT<br>M81511/5: CABLE CONNECTING RCPT<br>M81511/33: CABLE CONNECTING RCPT<br>M81511/6: STRAIGHT PLUG<br>M81511/34: STRAIGHT PLUG | ORN-ORN-WHT<br>ORN-BRN-BLK | M39029/47-339<br>M39029/46-310 | MS90461A12-12<br>MS90460B12-12 | P<br>S | 12 | 12 | 12-14 | TH199S | | | | | | | DAK126-12A | DRK125-12A<br>DRK129-12A |
| | ORN-ORN-VIO<br>ORN-BLK-GRA | M39029/47-337<br>M39029/46-308 | MS90461B16-16<br>MS90460B16-16 | P<br>S | 16 | 16<br>16 | 16-20<br>16-20 | TH199S<br>TH199S | | 86-12S<br>86-12S | | | | | DAK126-16A | DRK125-16A<br>DRK129-16A |
| | ORN-BRN-BLU<br>ORN-BLK-BLU | M39029/47-316<br>M39029/46-306 | MS90461B20-20<br>MS90460B20-20 | P<br>S | 20 | 20<br>20 | 20-24<br>20-24 | TH199S<br>TH199S | | 86-11S<br>86-11S | | | | | DAK126-20A | DRK125-20A<br>DRK129-20A |
| | ORN-BRN-YEL<br>ORN-BLK-YEL | M39029/47-314<br>M39029/46-304 | MS90461B23-22<br>MS90460B23-22 | P<br>S | 23 | 22<br>22 | 22-26<br>22-26 | | K60S<br>K60S | | | | | | DAK126-23A | DRK125-23A<br>DRK129-23A |
| | ORN-BRN-RED<br>ORN-BLK-RED | M39029/47-312<br>M39029/46-302 | MS90461B23-28<br>MS90460B23-28 | P<br>S | 23 | 28 | 28-32 | | K60S<br>K60S | | | | | | DAK126-23A | DRK125-23A<br>DRK129-23A |
| **18**<br> <br>**SAE AS81511**<br>SERIES 3<br>SCOOP PROOF • CIRCULAR<br>BAYONET COUPLING<br>REAR RELEASE CONTACTS<br>M81511/41: FLANGE MOUNT RCPT<br>M81511/45: CABLE CONNECTING RCPT<br>M81511/46: STRAIGHT PLUG<br>M81511/49: JAM NUT MOUNT RCPT | BRN-GRA-BLK<br>BRN-VIO-GRN | M39029/18-180<br>M39029/17-175 | M39029/18-12-12<br>M39029/17-12-12 | P<br>S | 12 | 12 | 12-14 | TP360<br>TP365 | | | | | | | M81969/16-03 | M81969/16-03 |
| | BLU-BLK-GRN | M39029/22-605 | -- | S | 12 | 12 | 12-14 | TH343-1 | | | | | | | DAK83-12B | DRK83-12B |
| | BRN-VIO-WHT<br>BRN-VIO-YEL | M39029/18-179<br>M39029/17-174 | M39029/18-16-16<br>M39029/17-16-16 | P<br>S | 16 | 16 | 16-20 | | K341<br>K343 | 86-2 | | | | | M81969/16-02 | M81969/16-02 |
| | BRN-WHT-ORN<br>BRN-VIO-GRA | M39029/22-193<br>M39029/18-178 | M39029/22-16-16<br>M39029/18-20-20 | S<br>P | 16<br>20 | 16<br>20 | 16-20 | TH343-1 | K340 | 86-21 86-1S | | | | | DAK95-16B<br>M81969/16-01 | DRK95-16B<br>M81969/16-01 |
| | BRN-VIO-ORN<br>BRN-WHT-RED | M39029/17-173<br>M39029/22-192 | M39029/17-20-20<br>M39029/22-20-20 | S<br>S | 20 | 20 | 20-24 | TH343-1 | K342<br>K503 | 86-20 | | | | | M81969/16-01<br>DAK95-20B | M81969/16-01<br>DRK95-20B |
| | BRN-WHT-BRN<br>BRN-WHT-BLK | M39029/22-191<br>M39029/22-190 | M39029/22-22-22<br>M39029/22-22-28 | S<br>S | 22 | 22<br>28 | 22-28<br>28-32 | | K330-3 | 86-19<br>86-19 | | | | | DAK95-22B | DRK95-22B |
| | BRN-VIO-VIO<br>BRN-VIO-RED | M39029/18-177<br>M39029/17-172 | M39029/18-23-22<br>M39029/17-23-22 | P<br>S | 23 | 22 | 22-28 | | K338<br>K339 | | | | | | M81969/16-04 | M81969/16-04 |
| | BRN-VIO-BLU<br>BRN-VIO-BRN | M39029/18-176<br>M39029/17-171 | M39029/18-23-28<br>M39029/17-23-28 | P<br>S | 23 | 28 | 28-32 | | K338<br>K339 | | | | | | M81969/16-04 | M81969/16-04 |

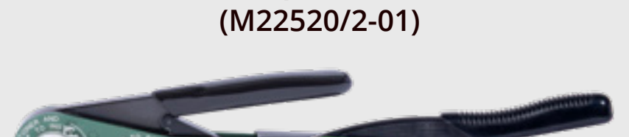
| CONNECTOR INFORMATION | COLOR CODE (BIN) | PART NUMBER (CURRENT) | PART NUMBER (SUPERSEDED) | PIN/ SKT | SIZE (AWG) | | WIRE RANGE | CRIMP TOOL AND ACCESSORY | | | | | | | ASSEMBLY TOOLS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MATING END | WIRE BARREL | | AF8/ AF8-ERGO | AFM8/ AFM8-ERGO | MH860/ MH860-ERGO | 1716P-1 | 39-000 | WA23/ WA23B (LOC) | WA23/ WA23B (DIE) | INSERTION | REMOVAL |
| **19**<br><br>**SAE AS81511**<br>SERIES 4<br>50% SCOOP PROOF • CIRCULAR<br>REAR RELEASE CONTACTS<br>M81511/51: FLANGE MOUNT RCPT<br>M81511/53: JAM NUT MOUNT RCPT<br>M81511/55: CABLE CONNECTING RCPT<br>M81511/56: STRAIGHT PLUG | BRN-GRA-BLK<br>BRN-VIO-BLK | M39029/18-180<br>M39029/16-170 | M39029/18-12-12<br>M39029/16-12-12 | P<br>S | 12 | 12 | 12-14 | TP360 | | | | | | | M81969/16-03 | M81969/16-03 |
| | BLU-BLK-GRN | M39029/22-605 | -- | S | 12 | 12 | 12-14 | TH343-1 | | | | | | | DAK95-12B | DRK95-12B |
| | BRN-VIO-WHT<br>BRN-BLU-WHT | M39029/18-179<br>M39029/16-169 | M39029/18-16-16<br>M39029/16-16-16 | P<br>S | 16 | 16 | 16-20 | | K341 | 86-2 | | | | | M81969/16-02 | M81969/16-02 |
| | BRN-WHT-ORN<br>BRN-VIO-GRA | M39029/22-193<br>M39029/18-178 | M39029/22-16-16<br>M39029/18-20-20 | S<br>P | 16<br>20 | 16<br>20 | 16-20<br>20-24 | TH343-1 | K340 | 86-21<br>86-1S | | | | | DAK95-16B<br>M81969/16-01 | DRK95-16B<br>M81969/16-01 |
| | BRN-BLU-GRA<br>BRN-WHT-RED | M39029/16-168<br>M39029/22-192 | M39029/16-20-20<br>M39029/22-20-20 | S<br>S | 20 | 20 | 20-24 | TH343-1 | K340<br>K503 | 86-20 | | | | | M81969/16-01<br>DAK95-20B | M81969/16-01<br>DRK95-20B |
| | BRN-WHT-BRN<br>BRN-WHT-BLK | M39029/22-191<br>M39029/22-190 | M39029/22-22-22<br>M39029/22-22-28 | S<br>S | 22 | 22<br>28 | 22-28<br>28-32 | | K330-3 | 86-19 | | | | | DAK95-22B | DRK95-22B |
| | BRN-VIO-VIO<br>BRN-BLU-VIO | M39029/18-177<br>M39029/16-167 | M39029/18-23-22<br>M39029/16-23-22 | P<br>S | 23 | 22 | 22-28 | | K338 | | | | | | M81969/16-04 | M81969/16-04 |
| | BRN-VIO-BLU<br>BRN-BLU-BLU | M39029/18-176<br>M39029/16-166 | M39029/18-23-28<br>M39029/16-23-28 | P<br>S | 23 | 28 | 28-32 | | K338 | | | | | | M81969/16-04 | M81969/16-04 |
| **20**<br><br>**SAE AS81659**<br>SERIES 1 (INACTIVE)<br>RECTANGULAR<br>FRONT RELEASE CONTACTS<br>M81659/1 - M81659/27:<br>RCPT OR PLUG, TYPE 1 AND 2, CLASS 1 AND 2, SHELL DESIGNATOR A OR B | BRN-BLK-BLU<br>BRN-BLK-WHT | M39029/2-106<br>M39029/3-109 | M39029/2-16-16<br>M39029/3-16-16 | P<br>S | 16 | 16 | 16-20 | TH1A | | | | | | | DAK16B | DRK16B |
| | BRN-BLK-GRN<br>BRN-BLK-GRA | M39029/2-105<br>M39029/3-108 | M39029/2-20-20<br>M39029/3-20-20 | P<br>S | 20 | 20 | 20-24 | TH1A | K287 | | | | | | N/A | N/A |
| | BRN-BLK-YEL<br>BRN-BLK-VIO | M39029/2-104<br>M39029/3-107 | M39029/2-22-22<br>M39029/3-22-22 | P<br>S | 22 | 22 | 22-26 | | K287 | | | | | | N/A | N/A |
| **21**<br><br>**SAE AS81659**<br>SERIES 2 (ARINC 404)<br>RECTANGULAR<br>REAR RELEASE CONTACTS<br>M81659/29 - M81659/72:<br>RECEPTACLE OR PLUG, TYPE 2, 3, AND 4 CLASS 1 AND 2 SHELL DESIGNATOR A OR B | BRN-YEL-VIO<br>BRN-GRN-BRN | M39029/11-147<br>M39029/12-151 | M39029/11-12-12<br>M39029/12-12-12 | P<br>S | 12 | 12 | 12-14 | TP465 | | | | | | | BY HAND | DRK337 |
| | BRN-YEL-BLU<br>BRN-GRN-BLK | M39029/11-146<br>M39029/12-150 | M39029/11-16-16<br>M39029/12-16-16 | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | M81969/1-03 | M81969/1-03 |
| | BRN-YEL-GRN<br>BRN-YEL-WHT | M39029/11-145<br>M39029/12-149 | M39029/11-20-20<br>M39029/12-20-20 | P<br>S | 20 | 20 | 20-24 | | K13-1 | 86-30-1 | | | | | M81969/1-02 | M81969/1-02 |
| | BRN-YEL-YEL<br>BRN-YEL-GRA | M39029/11-144<br>M39029/12-148 | M39029/11-22-22<br>M39029/12-22-22 | P<br>S | 22 | 22 | 22-26 | | K267-1 | | | | | | M81969/1-01 | M81969/1-01 |
| **22**<br><br>**MIL-C-81703**<br>SERIES 3<br>CIRCULAR • RACK & PANEL OR PUSH PULL COUPLING<br>REAR RELEASE CONTACTS<br>MS3445: PLUG RACK & PANEL<br>MS3424: WALL MOUNT FLANGE RCPT<br>MS3446: PLUG RACK & PANEL<br>MS3464: JAM NUT MOUNT RCPT<br>MS3467: STRAIGHT PLUG<br>MS3468: PLUG LANYARD COUPLING | BRN-BRN-ORN<br>BRN-BRN-GRA | M39029/4-113<br>M39029/5-118 | M39029/4-12-12<br>M39029/5-12-12 | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK83-12B | DRK83-12B |
| | BRN-BRN-YEL<br>BRN-BRN-WHT | M39029/4-114<br>M39029/5-119 | M39029/4-12-16<br>M39029/5-12-16 | P<br>S | 12 | 16 | 16-20 | TH1A | | | | | | | DAK83-12B | DRK83-12B |
| | BRN-BRN-BRN<br>BRN-BRN-BLU | M39029/4-111<br>M39029/5-116 | M39029/4-16-16<br>M39029/5-16-16 | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK83-16B<br>DAK95-16B | DRK83-16B<br>DRK95-16B |
| | BRN-BRN-RED<br>BRN-BRN-VIO | M39029/4-112<br>M39029/5-117 | M39029/4-16-20<br>M39029/5-16-20 | P<br>S | 16 | 16 | 20-24 | TH1A | | 86-2 | | | | | DAK83-16B | DRK83-16B |
| | BRN-BRN-BLK<br>BRN-BRN-GRN | M39029/4-110<br>M39029/5-115 | M39029/4-20-20<br>M39029/5-20-20 | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK83-20B | DRK83-20B |
| **23**<br><br>**SAE AS81714**<br>SERIES 1<br>TERMINAL JUNCTION<br>M81714/1: FEEDBACK TYPE SIZE 22<br>M81714/2: FEEDBACK TYPE SIZE 20<br>M81714/3: FEEDBACK TYPE SIZE 16<br>M81714/4: FEEDBACK TYPE SIZE 12<br>M81714/6: FEEDBACK TYPE SIZE 22<br>M81714/7: FEEDBACK TYPE SIZE 20<br>M81714/8: FEEDBACK TYPE SIZE 16<br>M81714/9: FEEDBACK TYPE SIZE 12<br>M81714/11: SPLICES<br>M81714/12: DOUBLE SPLICES<br>M81714/15: TERMINAL GRND | BRN-BLK-ORN<br>BRN-BLK-RED | M39029/1-103<br>M39029/1-102 | M39029/1-12-12<br>M39029/1-14-16 | P<br>P | 12<br>14 | 12<br>16 | 12-14<br>16-20 | TH1A | | | | | | | DAK83-12B<br>DAK83-16B | DRK83-12B<br>DRK83-16B |
| | BRN-BLK-BRN<br>BRN-BLK-BLK | M39029/1-101<br>M39029/1-100 | M39029/1-16-20<br>M39029/1-16-22 | P<br>P | 16 | 20<br>22 | 20-24<br>22-26 | TH1A | | | | | | | DAK83-20B<br>M81969/14-01 | DRK83-20B<br>M81969/14-01 |
| | GRN-BLK-VIO | M39029/1-507 | M39029/1-20-22D | P | 20 | 22D | 22-28 | | | | | | | | DAK95-22MB | DRK95-22MB |
| **24**<br><br>**SAE AS81714**<br>SERIES 2<br>TERMINAL JUNCTION<br>M81714/60: FEEDBACK TYPE, BUSSING MOD<br>M81714/61: FEEDBACK TYPE, BUSSING MOD<br>M81714/63: STUD MOUNTED, SECTIONAL GRND MOD<br>M81714/65: IN-LINE WIRE TO WIRE JUNCTIONS<br>M81714/67: TRACK MOUNT (RACK ASSEMBLY) | BLU-BLK-GRN<br>BRN-WHT-ORN | M39029/22-605<br>M39029/22-193 | --<br>M39029/22-16-16 | S<br>S | 12<br>16 | 12<br>16 | 12-14<br>16-20 | TH343-1<br>TH343-1 | | 86-21 | | | | | DAK83-12B<br>DAK95-16B | DRK83-12B<br>DRK95-16B |
| | BRN-WHT-RED<br>BRN-WHT-BRN | M39029/22-192<br>M39029/22-191 | M39029/22-20-20<br>M39029/22-22-22 | S<br>S | 20<br>22 | 20<br>22 | 20-24<br>28-32 | TH343-1 | K503<br>K330-3 | 86-20<br>86-19 | | | | | DAK95-20B<br>DAK95-22B | DRK95-20B<br>DRK95-22B |
| | BRN-WHT-BLK | M39029/22-190 | M39029/22-22-28 | S | 22 | 22 | 28-32 | | | 86-19 | | | | | DAK95-22MB | DRK95-22MB |
| **25**<br> <br>**DOD-C-83527**<br>(ARINC 600)<br>RECTANGULAR RACK AND PANEL<br>REAR RELEASE CONTACTS<br>MIL-DTL-83527/1: PLUG, RACK TO PANEL, SHELL SIZE 2<br>MIL-DTL-83527/2: RCPT, RACK TO PANEL, SHELL SIZE 2<br>MIL-DTL-83527/3: PLUG, RACK TO PANEL, SHELL SIZE 3<br>MIL-DTL-83527/4: RCPT, RACK TO PANEL, SHELL SIZE 3<br>MIL-DTL-83527/5: PLUG, RACK TO PANEL, SHELL SIZE 4<br>MIL-DTL-83527/6: RCPT, RACK TO PANEL, SHELL SIZE 4 | GRN-YEL-BLK<br>BLU-BLK-YEL | M39029/93-540<br>M39029/94-604 | --<br>-- | P<br>S | 12 | 12 | 12-14 | TP465 | | | | | | | N/A | DRK337 |
| | GRN-ORN-WHT<br>BLU-BLK-ORN | M39029/93-539<br>M39029/94-603 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | M81969/1-03 | M81969/1-03 |
| | GRN-WHT-GRA<br>BLU-BLK-RED | M39029/93-598<br>M39029/94-602 | --<br>-- | P<br>S | 20 | 20 | 20-24 | | K13-1 | 86-30-1 | | | | | M81969/1-02 | M81969/1-02 |
| | GRN-WHT-VIO<br>BLU-BLK-BRN | M39029/93-597<br>M39029/94-601 | --<br>-- | P<br>S | 22 | 22 | 22-26 | | K267-1 | | | | | | M81969/1-01 | M81969/1-01 |
| **26**<br><br>**MIL-DTL-83723**<br>SERIES 2 (INACTIVE)<br>CIRCULAR • THREADED COUPLING<br>REAR RELEASE CONTACTS<br>M83723/17: CABLE CONNECTING RCPT SKT CONTACTS<br>M83723/18: CABLE CONNECTING RCPT PIN CONTACTS<br>M83723/19: WALL MOUNT RCPT SKT CONTACTS<br>M83723/20: WALL MOUNT RCPT PIN CONTACTS<br>M83723/21: BOX MOUNT RCPT SKT CONTACTS<br>M83723/22: BOX MOUNT RCPT PIN CONTACTS<br>M83723/23: PLUG SKT CONTACTS<br>M83723/24: PLUG PIN CONTACTS | RED-BRN-BLU<br>RED-RED-RED | M39029/29-216<br>M39029/30-222 | M39029/29-0-0<br>M39029/30-0-0 | P<br>S | 0 | 0 | 0 | | | | | | WA23-13 | WA23-5 | N/A | DRK250-0 |
| | RED-BRN-GRN<br>RED-RED-BRN | M39029/29-215<br>M39029/30-221 | M39029/29-4-4<br>M39029/30-4-4 | P<br>S | 4 | 4 | 4 | | | | | | WA23-11 | WA23-4 | N/A | DRK250-4 |
| | RED-BRN-YEL<br>RED-RED-BLK | M39029/29-214<br>M39029/30-220 | M39029/29-8-8<br>M39029/30-8-8 | P<br>S | 8 | 8 | 8 | | | | | | WA23-9 | WA23-2 | N/A | DRK250-8 |
| | RED-BRN-ORN<br>RED-BRN-WHT | M39029/29-213<br>M39029/30-219 | M39029/29-12-12<br>M39029/30-12-12 | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK83-12B | DRK83-12B |
| | RED-BRN-RED<br>RED-BRN-GRA | M39029/29-212<br>M39029/30-218 | M39029/29-16-16<br>M39029/30-16-16 | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK83-16B | DRK83-16B |
| | RED-BRN-VIO | M39029/30-217 | M39029/30-16S-16 | S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK83-16B | DRK83-16B |
| **27**<br><br>**MIL-DTL-83723**<br>SERIES 3<br>CIRCULAR<br>BAYONET OR THREADED COUPLING<br>REAR RELEASE CONTACTS<br>M83723/71: FLANGE MOUNT RCPT<br>M83723/72: FLANGE MOUNT RCPT<br>M83723/82: FLANGE MOUNT RCPT<br>M83723/83: FLANGE MOUNT RCPT<br>M83723/73: SINGLE HOLE MOUNT RCPT<br>M83723/74: SINGLE HOLE MOUNT RCPT<br>M83723/84: SINGLE HOLE MOUNT RCPT<br>M83723/85: SINGLE HOLE MOUNT RCPT<br>M83723/75: STRAIGHT PLUG<br>M83723/76: STRAIGHT PLUG<br>M83723/86: STRAIGHT PLUG<br>M83723/87: STRAIGHT PLUG<br>M83723/77: RFI PLUG<br>M83723/78: RFI PLUG<br>M83723/95: SELF LOCKING PLUG<br>M83723/96: SELF LOCKING PLUG | BRN-BRN-ORN<br>BRN-BRN-GRA | M39029/4-113<br>M39029/5-118 | M39029/4-12-12<br>M39029/5-12-12 | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK83-12B | DRK83-12B |
| | BRN-BRN-YEL<br>BRN-BRN-WHT | M39029/4-114<br>M39029/5-119 | M39029/4-12-16<br>M39029/5-12-16 | P<br>S | 12 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK83-12B | DRK83-12B |
| | BRN-BRN-BRN<br>BRN-BRN-BLU | M39029/4-111<br>M39029/5-116 | M39029/4-16-16<br>M39029/5-16-16 | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK83-16B | DRK83-16B |
| | BRN-BRN-RED<br>BRN-BRN-VIO | M39029/4-112<br>M39029/5-117 | M39029/4-16-20<br>M39029/5-16-20 | P<br>S | 16 | 20 | 20-24 | TH1A | | 86-2 | | | | | DAK83-16B | DRK83-16B |
| | BRN-BRN-BLK<br>BRN-BRN-GRN | M39029/4-110<br>M39029/5-115 | M39029/4-20-20<br>M39029/5-20-20 | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK83-20B | DRK83-20B |
| **28**<br> <br>**MIL-DTL-83733**<br>RECTANGULAR MINIATURE<br>RACK TO PANEL<br>REAR RELEASE CONTACTS<br>M83733/1: STANDARD HOLE MOUNT<br>M83722/2: GUIDE PINS AND SPRING MOUNT<br>M83733/3: GUIDE SOCKETS<br>M83733/4: CAPTIVE SPRINGS<br>M83733/5: BUSHING MOUNT<br>M83733/6: CLINCH NUT MOUNT<br>M83733/7: GUIDE SKT AND SPRING MOUNT<br>M83733/8: GUIDE PINS<br>M83733/9: STAGGERED STANDARD HOLE MOUNT<br>M83733/10: STAGGERED BUSHING MOUNT<br>M83733/11: STAGGERED CLINCH NUT MOUNT<br>M83733/12: STAGGERED SPRING MOUNT | ORN-GRN-WHT | M39029/57-359 | MS27491-12 | S | 12 | 12 | 12-14 | TH163 | | | | | | | DAK95-12B | DRK95-12B |
| | BRN-BRN-ORN<br>BRN-BRN-GRA | M39029/4-113<br>M39029/5-118 | M39029/4-12-12<br>M39029/5-12-12 | P<br>S | 12 | 12 | 12-14 | TH1A | | | | | | | DAK83-12B | DRK83-12B |
| | ORN-GRN-GRA | M39029/57-358 | MS27491-16 | S | 16 | 16 | 16-20 | TH163 | | 86-3 | | | | | DAK95-16B | DRK95-16B |
| | BRN-BRN-BRN<br>BRN-BRN-BLU | M39029/4-111<br>M39029/5-116 | M39029/4-16-16<br>M39029/5-16-16 | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK83-16B | DRK83-16B |
| | BRN-BRN-BLK<br>BRN-BRN-GRN | M39029/4-110<br>M39029/5-115 | M39029/4-20-20<br>M39029/5-20-20 | P<br>S | 20 | 20 | 20-24 | TH1A | K1S | 86-1S | | | | | DAK83-20B | DRK83-20B |
| | ORN-BLU-ORN<br>ORN-GRN-VIO | M39029/58-363<br>M39029/57-357 | MS27493-20<br>MS27491-20 | P<br>S | 20 | 20 | 20-24 | TH163 | K43 | 86-7 | | | | | DAK95-20B | DRK95-20B |
| | ORN-BLU-RED<br>ORN-GRN-BLU | M39029/58-362<br>M39029/57-356 | MS27493-22<br>MS27491-22 | P<br>S | 20 | 20 | 20-24 | | K42<br>K41 | 86-6<br>86-5 | | | | | DAK95-22B | DRK95-22B |
| | ORN-BLU-BLK<br>ORN-GRN-YEL | M39029/58-360<br>M39029/57-354 | MS27494-22D<br>MS27492-22D | P<br>S | 22 | 22D | 22-28 | | K42<br>K41 | 86-6<br>86-5 | | | | | DAK95-22MB | DRK95-22MB |
| | ORN-BLU-BRN<br>ORN-GRN-GRN | M39029/58-361<br>M39029/57-355 | MS27493-22M<br>MS27492-22M | P<br>S | 22 | 22M | 24-28 | | K42<br>K41 | 86-6<br>86-5 | | | | | DAK95-22MB | DRK95-22MB |
| **29**<br> <br>**SAE AS85028**<br>SERIES AS<br>RECTANGULAR<br>INDIVIDUAL CONTACT SEALING<br>POLARIZED CENTER JACK SCREW<br>PULL THRU INSERTION CONTACTS<br>M85028/1: CRIMP REMOVABLE PIN CONTACTS<br>M85028/2: CRIMP REMOVABLE SKT CONTACTS | ORN-GRA-WHT<br>ORN-GRA-BLU | M39029/70-389<br>M39029/69-386 | M39029/70-3<br>M39029/69-3 | P<br>S | 16 | 16 | 16-20 | TP651 | | | | | | | DAK1-16P-S | DRK222 |
| | ORN-GRA-GRA<br>ORN-GRA-GRN | M39029/70-388<br>M39029/69-385 | M39029/70-2<br>M39029/69-2 | P<br>S | 16 | 20 | 20-24 | TP651 | | | | | | | DAK1-16P-S | DRK222 |
| | ORN-GRA-VIO<br>ORN-GRA-YEL | M39029/70-387<br>M39029/69-384 | M39029/70-1<br>M39029/69-1 | P<br>S | 16 | 24 | 24-28 | TP651 | | | | | | | DAK1-16P-S | DRK222 |
| **30**<br> <br>**SAE AS95234**<br>REVERSE BAYONET<br>AS95234/1: RCPT, BAYONET COUPLING, IN LINE<br>AS95234/2: RCPT, SQUARE FLANGE, BOX MOUNT, FRONT<br>AS95234/3: RCPT, SQUARE FLANGE, BOX MOUNT, REAR<br>AS95234/4: RCPT, SQUARE FLANGE, PANEL MOUNT, FRONT<br>AS95234/5: RCPT, SQUARE FLANGE, PANEL MOUNT, REAR<br>AS95234/6: PLUG, REVERSE BAYONET COUPLING<br>AS95234/7: RCPT, JAM NUT<br>AS95234/8: RCPT, JAM NUT<br>AS95234/9: PLUG, GRND | RED-WHT-ORN<br>ORN-BLK-BLK | M39029/44-293<br>M39029/45-300 | MS90453-0-0<br>MS90454-0-0 | P<br>S | 0 | 0 | 0-2 | | | | | | WA23-13 | WA23-5 | DAK55-0B | DRK56-0B |
| | BLU-GRA-GRN<br>BLU-GRA-BLK | M39029/124-685<br>M39029/123-680 | --<br>-- | P<br>S | 0 | 0 | 0-2 | | | | | | WA23-13 | WA23-5 | DAK55-0B | DRK56-0B |
| | RED-WHT-RED<br>RED-WHT-WHT | M39029/44-292<br>M39029/45-299 | MS90453-4-0<br>MS90454-4-0 | P<br>S | 4<br>4 | 4<br>4 | 4-6<br>4-6 | | | | | | WA23-11 | WA23-4 | DAK55-4B | DRK56-4B |
| | BLU-GRA-YEL<br>BLU-VIO-WHT | M39029/124-684<br>M39029/123-679 | --<br>-- | P<br>S | 4 | 4 | 4-6 | | | | | | WA23-11 | WA23-4 | DAK55-4B | DRK56-4B |
| | RED-WHT-BRN<br>RED-WHT-GRA | M39029/44-291<br>M39029/45-298 | MS90453-8-0<br>MS90454-8-0 | P<br>S | 8<br>8 | 8<br>8 | 8-10<br>8-10 | | | | | | WA23-9 | WA23-2 | DAK55-8B | DRK56-8B |
| | BLU-GRA-ORN<br>BLU-VIO-GRA | M39029/124-683<br>M39029/123-678 | --<br>-- | P<br>S | 8 | 8 | 8-10 | | | | | | WA23-9 | WA23-2 | DAK55-8B | DRK56-8B |
| | RED-WHT-BLK<br>RED-WHT-VIO | M39029/44-290<br>M39029/45-297 | MS90453-12-12<br>MS90454-12-12 | P<br>S | 12<br>12 | 12<br>12 | 12-14<br>12-14 | TH1A<br>TH1A | | | | | | | DAK12B | DRK12B |
| | BLU-GRA-ORN<br>BLU-VIO-VIO | M39029/124-682<br>M39029/123-677 | --<br>-- | P<br>S | 12 | 12 | 16-20 | TH1A | | | | | | | DAK-12B | DRK-16B |
| | RED-GRA-WHT<br>RED-WHT-BLU | M39029/44-289<br>M39029/45-296 | MS90453-12-16<br>MS90454-12-16 | P<br>S | 12<br>12 | 16<br>16 | 16-20<br>16-20 | TH1A<br>TH1A | | | | | | | DAK16B | DRK12B |
| | RED-GRA-GRA<br>RED-WHT-GRN | M39029/44-288<br>M39029/45-295 | MS90453-16-16<br>MS90454-16-16 | P<br>S | 16<br>16 | 16<br>16 | 16-20<br>16-20 | TH1A<br>TH1A | | | | | | | DAK16B | DRK16B |
| | BLU-GRA-BRN<br>BLU-VIO-BLU | M39029/124-681<br>M39029/123-676 | --<br>-- | P<br>S | 16 | 16 | 16-20 | TH1A | | 86-2 | | | | | DAK-16B | DRK-16B |
| | RED-GRA-VIO<br>RED-WHT-YEL | M39029/44-287<br>M39029/45-294 | MS90453-16-22<br>MS90454-16-22 | P<br>S | 16<br>16 | 22<br>22 | 22-26<br>22-26 | TH1A<br>TH1A | | | | | | | DAK83S-20 | DRK16B |

## MANUAL TOOLS

**AF8® / AF8-ERGO™**
(M22520/1-01)

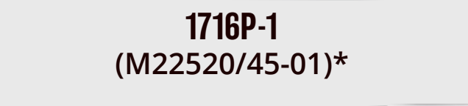


**AFM8® / AFM8-ERGO**
(M22520/2-01)



**MH860® / MH860-ERGO**
(M22520/7-01)

**1716P-1**
(M22520/45-01)*



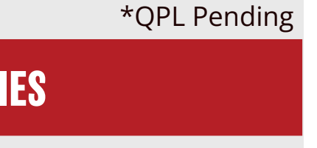
**39-000**
(M22520/34-01)

*QPL Pending

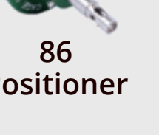
## ACCESSORIES

86 Positioner

K Positioner



39 Positioner



Single Position Head

Multi-Position Turret Head

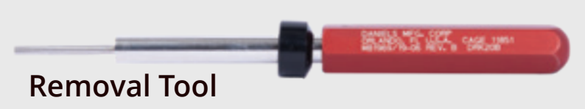
23 Locator

23 Die

## PNEUMATIC TOOLS

**WA23® and WA23B®**
(M22520/23-01)

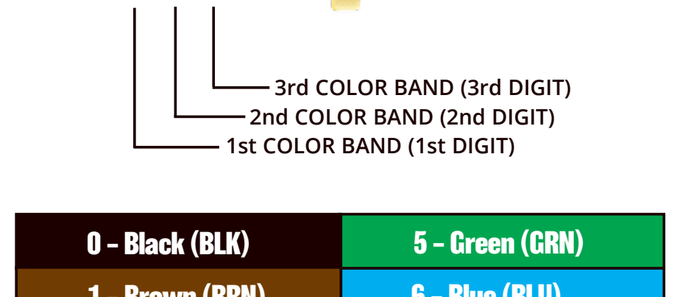
## INSERTION AND REMOVAL TOOLS



Insertion Tool

Removal Tool

## CONTACT COLOR CODE AND BIN


WIRE BARREL END
MATING END
3rd COLOR BAND (3rd DIGIT)
2nd COLOR BAND (2nd DIGIT)
1st COLOR BAND (1st DIGIT)

| | |
|---|---|
| 0 - Black (BLK) | 5 - Green (GRN) |
| 1 - Brown (BRN) | 6 - Blue (BLU) |
| 2 - Red (RED) | 7 - Violet (VIO) |
| 3 - Orange (ORN) | 8 - Gray (GRA) |
| 4 - Yellow (YEL) | 9 - White (WHT) |

DMC® specializes in manufacturing wire processing tooling, including a range of tools that are specific to M39029 power contacts. In addition to the tooling shown, custom dies are available. Additional cross-reference tooling information for Mil-Spec coax, triax, terminals, splices, and end caps can be found in our catalogs and on our website.

Scan QR code for M39029 connector and contact cross-reference lookup.

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