



# DEUTSCH QPL CONTACTS

THE PERFORMANCE LEADER FOR  
MIL-SPEC CONTACTS

## QUICK REFERENCE GUIDE

### High Performance

- Achieve enhanced durability — 1500 cycles (insertion/withdrawals)
- Terminate to aluminum or standard wires

### More Compatibility

- Use with full range of mil-spec connectors
- Meet ASE/EN requirements

## DEUTSCH QPL CONTACTS AND TOOLS

| Contact Part Number                                                                                                        |                | Contact Size | Insertion/ Removal Tool |             |                  |             | Crimping         |             |                  |             |
|----------------------------------------------------------------------------------------------------------------------------|----------------|--------------|-------------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|
|                                                                                                                            |                |              | Insertion               |             | Removal          |             | Crimp Tool       |             | Positioner       |             |
| Military Part No.                                                                                                          | TE Part No.    | AWG          | M81969 Slash No.        | TE Part No. | M81969 Slash No. | TE Part No. | M22520 Slash No. | TE Part No. | M22520 Slash No. | TE Part No. |
| M29600 Contacts                                                                                                            |                |              |                         |             |                  |             |                  |             |                  |             |
| M29600/23 Socket Contacts (For AS29600 Connectors)                                                                         |                |              |                         |             |                  |             |                  |             |                  |             |
| /23-606                                                                                                                    | 12343-23       | 23/22        | /16-04                  | 2031768-1   | /16-04           | 2031768-1   | /2-01            | 601966-1    | /2-16            | 2-601966-2  |
| /23-607                                                                                                                    | 12343-20       | 20           | /16-01                  | 2031741-1   | /16-01           | 2031741-1   | /2-01            | 601966-1    | /2-17            | 2-601966-3  |
| /23-608                                                                                                                    | 12343-16       | 16           | /16-02                  | 2844644-1   | /16-02           | 2844644-1   | /2-01            | 601966-1    | /2-18            | 2844624-1   |
| M29600/23 Pin Contacts (For AS29600 Connectors)                                                                            |                |              |                         |             |                  |             |                  |             |                  |             |
| /24-610                                                                                                                    | 12341-23       | 23/22        | /16-04                  | 2031768-1   | /16-04           | 2031768-1   | /2-01            | 601966-1    | /2-13            | 2-601966-0  |
| /24-611                                                                                                                    | 12341-20       | 20           | /16-01                  | 2031741-1   | /16-01           | 2031741-1   | /2-01            | 601966-1    | /2-14            | 2-201966-1  |
| /24-612                                                                                                                    | 12341-16       | 16           | /16-02                  | 2844644-1   | /16-02           | 2844644-1   | /2-01            | 601966-1    | /2-15            | 2844625-1   |
| M39029 Contacts                                                                                                            |                |              |                         |             |                  |             |                  |             |                  |             |
| M39029/1 Pin Contacts (For AS81714 Series I Terminal System)                                                               |                |              |                         |             |                  |             |                  |             |                  |             |
| /1-100                                                                                                                     | 2560-214-1631  | 16/22        | /14-10                  | 2031843-1   | /14-10           | 2031843-1   | /2-01            | 601966-1    | /2-11            | 1-601966-5  |
| /1-101                                                                                                                     | 2560-215-1631L | 16/20        | /14-10                  | 2031843-1   | /14-10           | 2031843-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
| /1-102                                                                                                                     | 2560-216-1431  | 14/16        | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /2-01            | 601966-1    | /2-11            | 1-601966-5  |
| /1-103                                                                                                                     | 2560-217-1231  | 12           | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /1-01            | 601967-1    | /2-11            | 1-601966-5  |
| /1-507                                                                                                                     | 2560-218-2031  | 20/22D       | /14-01                  | 2844645-1   | /14-01           | 2844645-1   | /2-01            | 601967-1    | /2-32            | 2844626-1   |
|                                                                                                                            |                |              | /1-04                   | 2844646-1   | /1-04            | 2844646-1   |                  |             |                  |             |
|                                                                                                                            |                |              | /8-01                   | 2844657-1   | /8-01            | 2844657-1   |                  |             |                  |             |
|                                                                                                                            |                |              | /8-02                   | 2844651-1   | /8-02            | 2844651-1   |                  |             |                  |             |
| M39029/4 Pin Contacts (For MIL-DTL-26482 Series II, -83723 Series III, -83733, and AS81703 Connectors)                     |                |              |                         |             |                  |             |                  |             |                  |             |
| /4-110                                                                                                                     | 0641-1-2031L   | 20           | /14-11                  | 2031844-1   | /14-11           | 2031844-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
|                                                                                                                            |                |              | /8-205                  | 2844647-1   | /8-206           | 2844648-1   | /2-01            | 601966-1    | /2-02            | 601966-2    |
| /4-111                                                                                                                     | 0641-2-1631L   | 16           | —                       | —           | —                | —           | /7-01            | 2031850-1   | /7-02            | 2844636-1   |
|                                                                                                                            |                |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
| /4-112                                                                                                                     | 109026-31      | 16/20        | /8-207                  | 2031752-1   | /8-208           | 2031784-1   | /7-01            | 2031850-1   | /7-03            | 2844635-1   |
|                                                                                                                            |                |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
| /4-113                                                                                                                     | 0614-3-1231L   | 12           | /8-207                  | 2031752-1   | /8-208           | 2031784-1   | /7-01            | 2031850-1   | /7-03            | 2844635-1   |
|                                                                                                                            |                |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
| /4-114                                                                                                                     | 109028-31L     | 12/16        | /8-209                  | 2031753-1   | /8-210           | 2031783-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
|                                                                                                                            |                |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
| M39029/5 Socket Contacts (For MIL-DTL-26482 Series II, -83723 Series III, -83733, and AS81703 Connectors)                  |                |              |                         |             |                  |             |                  |             |                  |             |
| /5-115                                                                                                                     | 100503L        | 20           | /14-11                  | 2031844-1   | /14-11           | 2031844-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
|                                                                                                                            |                |              | /8-205                  | 2844647-1   | /8-206           | 2844648-1   | /2-01            | 601966-1    | /2-02            | 601966-2    |
| /5-116                                                                                                                     | 100504L        | 16           | —                       | —           | —                | —           | /7-01            | 2031850-1   | /7-02            | 2844636-1   |
|                                                                                                                            |                |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
| /5-117                                                                                                                     | 109027         | 16/20        | /8-207                  | 2031752-1   | /8-208           | 2031784-1   | /7-01            | 2031850-1   | /7-03            | 2844635-1   |
|                                                                                                                            |                |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
| /5-118                                                                                                                     | 100505L        | 12           | /8-207                  | 2031752-1   | /8-208           | 2031784-1   | /7-01            | 2031850-1   | /7-03            | 2844635-1   |
|                                                                                                                            |                |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
| /5-119                                                                                                                     | 109029         | 12/16        | /8-209                  | 2031753-1   | /8-210           | 2031783-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
|                                                                                                                            |                |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
| M39029/10 Socket Contacts — Thermocouples (For MIL-DTL-26482 Series II, -83723 Series III, -83733, and AS81703 Connectors) |                |              |                         |             |                  |             |                  |             |                  |             |
| /10-521                                                                                                                    | 7362-225-1601  | 16           | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
|                                                                                                                            |                |              |                         |             |                  |             | /7-01            | 2031850-1   | /7-03            | 2844635-1   |
| /10-522                                                                                                                    | 7362-226-1601  | 16           | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /1-01            | 601967-1    | /1-02            | 601967-2    |
|                                                                                                                            |                |              |                         |             |                  |             | /7-01            | 2031850-1   | /7-03            | 2844635-1   |
| M39029/11 Pin Contacts (For AS81659 Series II Connectors)                                                                  |                |              |                         |             |                  |             |                  |             |                  |             |
| /11-144                                                                                                                    | 2560-212-2231  | 22           | /1-01                   | 2844649-1   | /1-01            | 2844649-1   | /2-01            | 601966-1    | /2-23            | 601966-8    |
| /11-145                                                                                                                    | 2560-212-2031  | 20           | /1-02                   | 2844650-1   | /1-02            | 2844650-1   | /2-01            | 601966-1    | /2-08            | 601966-5    |
|                                                                                                                            |                |              |                         |             |                  |             | /7-01            | 2031850-1   | /7-02            | 2844636-1   |
| M39029/12 Socket Contacts (For AS81659 Series II Connectors)                                                               |                |              |                         |             |                  |             |                  |             |                  |             |
| /12-148                                                                                                                    | 2562-209-2231  | 22           | /1-01                   | 2844649-1   | /1-01            | 2844649-1   | /2-01            | 601966-1    | /2-23            | 601966-8    |
| /12-149                                                                                                                    | 2562-209-2031  | 20           | /1-02                   | 2844650-1   | /1-02            | 2844650-1   | /2-01            | 601966-1    | /2-08            | 601966-5    |
|                                                                                                                            |                |              |                         |             |                  |             | /7-01            | 2031850-1   | /7-02            | 2844636-1   |
| M39029/16 Socket Contacts (For AS81511 Series IV Connectors)                                                               |                |              |                         |             |                  |             |                  |             |                  |             |
| /16-166                                                                                                                    | 81542-238      | 23/28        | /16-04                  | 2031768-1   | /16-04           | 2031768-1   | /2-01            | 601966-1    | /2-13            | 2-601966-0  |
| /16-167                                                                                                                    | 81542-23       | 23/22        | /16-04                  | 2031768-1   | /16-04           | 2031768-1   | /2-01            | 601966-1    | /2-13            | 2-601966-0  |
| /16-168                                                                                                                    | 81542-20       | 20           | /16-01                  | 2031741-1   | /16-01           | 2031741-1   | /2-01            | 601966-1    | /2-14            | 2-601966-1  |
| /16-169                                                                                                                    | 81542-16       | 16           | /16-02                  | 2844644-1   | /16-02           | 2844644-1   | /2-01            | 601966-1    | /2-15            | 2844625-1   |
| /16-170                                                                                                                    | 81542-12       | 12           | /16-03                  | 2031818-1   | /16-03           | 2031818-1   | /1-01            | 601967-1    | /1-09            | 2844627-1   |
| M39029/17 Socket Contacts (For AS81511 Series III Connectors)                                                              |                |              |                         |             |                  |             |                  |             |                  |             |
| /17-171                                                                                                                    | 81543-238      | 23/28        | /16-04                  | 2031768-1   | /16-04           | 2031768-1   | /2-01            | 601966-1    | /2-16            | 2-601966-2  |
| /17-172                                                                                                                    | 81543-23       | 23/22        | /16-04                  | 2031768-1   | /16-04           | 2031768-1   | /2-01            | 601966-1    | /2-16            | 2601966-2   |
| /17-173                                                                                                                    | 81543-20       | 20           | /16-01                  | 2031741-1   | /16-01           | 2031741-1   | /2-01            | 601966-1    | /2-17            | 2-601966-3  |
| /17-174                                                                                                                    | 81543-16       | 16           | /16-02                  | 2844644-1   | /16-02           | 2844644-1   | /2-01            | 601966-1    | /2-18            | 2844624-1   |
| /17-175                                                                                                                    | 81543-12       | 12           | /16-03                  | 2031818-1   | /16-03           | 2031818-1   | /1-01            | 601967-1    | /1-10            | 2844628-1   |

Part numbers ending in trailing L are available with localized gold plating, according to ASTM B 488, Type II, Code C: 50 micro-inches over nickel underplating.  
For full plating, remove the trailing L.  
Italicized part numbers are for the TE's Evreux facility. All others are for TE's Oceanside facility.  
For wire size, a double number indicates Mating End/Crimp End.

## DEUTSCH QPL CONTACTS AND TOOLS

| Contact Part Number                                                                                        |                               | Contact Size | Insertion/ Removal Tool |                        |                  |                        | Crimping                |                                   |                         |                                     |
|------------------------------------------------------------------------------------------------------------|-------------------------------|--------------|-------------------------|------------------------|------------------|------------------------|-------------------------|-----------------------------------|-------------------------|-------------------------------------|
|                                                                                                            |                               |              | Insertion               |                        | Removal          |                        | Crimp Tool              |                                   | Positioner              |                                     |
| Military Part No.                                                                                          | TE Part No.                   | AWG          | M81969 Slash No.        | TE Part No.            | M81969 Slash No. | TE Part No.            | M22520 Slash No.        | TE Part No.                       | M22520 Slash No.        | TE Part No.                         |
| M39029 Contacts                                                                                            |                               |              |                         |                        |                  |                        |                         |                                   |                         |                                     |
| M39029/18 Pin Contacts (For AS81511 Series III and IV Connectors)                                          |                               |              |                         |                        |                  |                        |                         |                                   |                         |                                     |
| /18-176                                                                                                    | 81541-238                     | 23/28        | /16-04                  | 2031768-1              | /16-04           | 2031768-1              | /2-01                   | 601966-1                          | /2-13                   | 2-601966-0                          |
| /18-177                                                                                                    | 81541-23                      | 23/22        | /16-04                  | 2031768-1              | /16-04           | 2031768-1              | /2-01                   | 601966-1                          | /2-13                   | 2601966-0                           |
| /18-178                                                                                                    | 81541-20                      | 20           | /16-01                  | 2031741-1              | /16-01           | 2031741-1              | /2-01<br>/7-01          | 601966-1<br>2031850-1             | /2-14<br>/7-02          | 2-601966-1<br>2844636-1             |
| /18-179                                                                                                    | 81541-16                      | 16           | /16-02                  | 2844644-1              | /16-02           | 2844644-1              | /2-01<br>/7-01          | 601966-1<br>2031850-1             | /2-15<br>/7-03          | 2844625-1<br>2844635-1              |
| /18-180                                                                                                    | 81541-12                      | 12           | /16-03                  | 2031818-1              | /16-03           | 2031818-1              | /1-01                   | 601967-1                          | /1-09                   | 2844627-1                           |
| M39029/22 Socket Contacts (For AS81714 Series II Terminal System and AS81511 Series III and IV Connectors) |                               |              |                         |                        |                  |                        |                         |                                   |                         |                                     |
| /22-191                                                                                                    | CTS-S22/22                    | 22           | /14-01                  | 2844645-1              | /14-01           | 2844645-1              | /7-01                   | 2031850-1                         | /7-11                   | 2844629-1                           |
| /22-192                                                                                                    | CTS-S20/20                    | 20           | /14-10                  | 2031843-1              | —                | —                      | /7-01                   | 2031850-1                         | /7-12                   | 2844630-1                           |
| /22-193                                                                                                    | CTS-S16/16                    | 16           | /14-03                  | 2031840-1              | —                | —                      | /7-01                   | 2031850-1                         | /7-13                   | 2844631-1                           |
| /22-605                                                                                                    | CTS-S12/12                    | 12           | /8-10<br>/16-03         | 2031786-1<br>2031818-1 | —<br>—           | —<br>—                 | /2-34<br>/1-01          | 2844632-1<br>601967-1             | /2844632-1<br>/31-02    | 2844632-1<br>2844637-1              |
| M39029/28 Pin Contacts • Coax (For MIL-DTL-38999 Series I, II, III, and IV Connectors)                     |                               |              |                         |                        |                  |                        |                         |                                   |                         |                                     |
| /28-211                                                                                                    | 6162-233-1277                 | 12           | /8-09<br>/14-04         | 2844659-1<br>2031841-1 | /8-10<br>/14-04  | 2031786-1<br>2031841-1 | /2-01<br>/31-01         | 601966-1<br>2844622-1             | /2-34<br>/31-02         | 2844632-1<br>2844637-1              |
| /28-409                                                                                                    | 6162-234-1277                 | 12           | /8-09<br>/14-04         | 2844659-1<br>2031841-1 | /8-10<br>/14-04  | 2031786-1<br>2031841-1 | /2-01<br>/31-01         | 601966-1<br>2844622-1             | /2-34<br>/31-02         | 2844632-1<br>2844637-1              |
| /28-414                                                                                                    | 6162-239-1277                 | 12           | /8-09<br>/14-04         | 2844659-1<br>2031841-1 | /8-10<br>/14-04  | 2031786-1<br>2031841-1 | /2-01<br>/31-01         | 601966-1<br>2844622-1             | /2-34<br>/31-02         | 2844632-1<br>2844637-1              |
| M39029/29 Pin Contacts (For AS50151, MS5450, and MIL-DTL-83723 Series II Connectors)                       |                               |              |                         |                        |                  |                        |                         |                                   |                         |                                     |
| /29-212                                                                                                    | 0660-206-1631L                | 16           | /14-03                  | 2031840-1              | /14-03           | 2031840-1              | /1-01<br>/7-01          | 601967-1<br>2031850-1             | /1-02<br>/7-03          | 601967-2<br>2844635-1               |
| /29-213                                                                                                    | 0660-206-1282                 | 12           | /14-04                  | 2031841-1              | /14-04           | 2031841-1              | /1-01                   | 601967-1                          | /1-02                   | 601967-2                            |
| /29-214                                                                                                    | 0660-206-0882                 | 8            | —                       | —                      | /14-06           | 2844652-1              | /23-01                  | 2844620-1                         | —                       | —                                   |
| /29-215                                                                                                    | 0660-206-0482                 | 4            | —                       | —                      | /14-07           | 2844653-1              | /23-01                  | 2844620-1                         | —                       | —                                   |
| /29-216                                                                                                    | 0660-206-0082                 | 0            | —                       | —                      | /14-08           | 2844654-1              | /23-01                  | 2844620-1                         | —                       | —                                   |
| M39029/30 Socket Contacts (For AS50151, MS5450, and MIL-DTL-83723 Series II Connectors)                    |                               |              |                         |                        |                  |                        |                         |                                   |                         |                                     |
| /30-217                                                                                                    | 0662-212-1631L<br>182-0400-16 | 16S/16       | /14-03                  | 2031840-1              | /14-03           | 2031840-1              | /1-01                   | 601967-1                          | /1-02                   | 601967-2                            |
| /30-218                                                                                                    | 0662-207-1631L                | 16           | /14-03                  | 2031840-1              | /14-03           | 2031840-1              | /7-01<br>/1-01          | 2031850-1<br>601967-1             | /7-03<br>/1-02          | 2844635-1<br>601967-2               |
| /30-219                                                                                                    | 0662-207-1282                 | 12           | /14-04                  | 2031841-1              | /14-04           | 2031841-1              | /1-01                   | 601967-1                          | /1-02                   | 601967-2                            |
| /30-220                                                                                                    | 0662-207-0882                 | 8            | —                       | —                      | /14-06           | 2844652-1              | /23-01                  | 2844620-1                         | —                       | —                                   |
| /30-221                                                                                                    | 0662-207-0482                 | 4            | —                       | —                      | /14-07           | 2844653-1              | /23-01                  | 2844620-1                         | —                       | —                                   |
| /30-222                                                                                                    | 0662-207-0082                 | 0            | —                       | —                      | /14-08           | 2844654-1              | /23-01                  | 2844620-1                         | —                       | —                                   |
| M39029/31 Pin Contacts (For MIL-DTL-26482 Series I and -26500 Connectors)                                  |                               |              |                         |                        |                  |                        |                         |                                   |                         |                                     |
| /31-228                                                                                                    | 4160-203-1631L                | 16           | /14-03<br>/17-04        | 2031840-1<br>2844655-1 | /19-01           | 2031776-1              | /1-01<br>/7-01          | 601967-1<br>2031850-1             | /1-02<br>/7-03          | 601967-2<br>2844635-1               |
| /31-229                                                                                                    | 4160-204-1631L                | 16           | /14-03<br>/17-04        | 2031840-1<br>2844655-1 | /19-01           | 2031776-1              | /1-01<br>/7-01          | 601967-1<br>2031850-1             | /1-02<br>/7-03          | 601967-2<br>2844635-1               |
| /31-240                                                                                                    | 0004-058-100L                 | 20           | /14-10<br>/17-03        | 2031843-1<br>2844656-1 | /19-06           | 2031778-1              | /1-01<br>/2-01<br>/7-01 | 601967-1<br>601966-1<br>2031850-1 | /1-02<br>/2-02<br>/7-02 | 601967-2<br>601966-2<br>2844636-1   |
| /31-627                                                                                                    | 4160-202-2031L                | 20           | /14-10<br>/17-03        | 2031843-1<br>2844656-1 | /19-06           | 2031778-1              | /1-01<br>/2-01<br>/7-01 | 601967-1<br>601966-1<br>2031850-1 | /1-02<br>/2-02<br>/7-02 | 601967-2<br>601966-2<br>2844636-1   |
| M39029/32 Socket Contacts (For MIL-DTL-26482 Series I and -26500 Connectors)                               |                               |              |                         |                        |                  |                        |                         |                                   |                         |                                     |
| /32-247                                                                                                    | 4162-201-1631L                | 16           | /14-03<br>/17-04        | 2031840-1<br>2844655-1 | /19-01           | 2031776-1              | /1-01<br>/7-01          | 601967-1<br>2031850-1             | /1-02<br>/7-03          | 601967-2<br>2844635-1               |
| /32-248                                                                                                    | 4162-202-1631L                | 16           | /14-03<br>/17-04        | 2031840-1<br>2844655-1 | /19-01           | 2031776-1              | /1-01<br>/7-01          | 601967-1<br>2031850-1             | /1-02<br>/7-03          | 601967-2<br>2844635-1               |
| /32-259                                                                                                    | 0007-008-100L                 | 20           | /14-10<br>/17-03        | 2031843-1<br>2844656-1 | /19-06           | 2031778-1              | /1-01<br>/2-01<br>/7-01 | 601967-1<br>601966-1<br>2031850-1 | /1-02<br>/2-02<br>/7-02 | 601967-2<br>601966-2<br>2844636-1   |
| /32-260                                                                                                    | 4109-207-2000L                | 20           | /14-10<br>/17-03        | 2031843-1<br>2844656-1 | /19-06           | 2031778-1              | /1-01<br>/2-01<br>/7-01 | 601967-1<br>601966-1<br>2031850-1 | /1-02<br>/2-02<br>/7-02 | 601967-2<br>601966-2<br>2844636-1   |
| M39029/56 Socket Contacts (For MIL-DTL-38999 Series I, III, and IV and EN3645 Connectors)                  |                               |              |                         |                        |                  |                        |                         |                                   |                         |                                     |
| /56-348                                                                                                    | 38943-22L<br>724-0007-22      | 22/22D       | /14-01<br>/8-01         | 2844645-1<br>2844657-1 | /14-01<br>/8-02  | 2844645-1<br>2844651-1 | /2-01<br>/7-01          | 601966-1<br>2031850-1             | /2-07<br>/7-05          | 1-601966-3<br>2844638-1             |
| /56-351                                                                                                    | 38943-20L<br>724-0007-20      | 20           | /14-10<br>/8-05         | 2031843-1<br>2031747-1 | /14-10<br>/8-06  | 2031843-1<br>2031802-1 | /2-01<br>/7-01<br>/1-01 | 601966-1<br>2031850-1<br>601967-1 | /2-10<br>/7-08<br>/1-04 | 1-601966-4<br>2844639-1<br>601967-3 |
| /56-352                                                                                                    | 38943-16L<br>724-0007-16      | 16           | /14-03<br>/8-07         | 2031840-1<br>2844658-1 | /14-03<br>/8-08  | 2031840-1<br>2031787-1 | /1-01<br>/7-01          | 601967-1<br>2031850-1             | /1-04<br>/7-04          | 601967-3<br>2844640-1               |
| /56-353                                                                                                    | 38943-12L<br>724-0007-12      | 12           | /14-04<br>/8-09         | 2031841-1<br>2844659-1 | /14-04<br>/8-10  | 2031841-1<br>2031786-1 | /1-01                   | 601967-1                          | /1-04                   | 601967-3                            |

Part numbers ending in trailing L are available with localized gold plating, according to ASTM B 488, Type II, Code C: 50 micro-inches over nickel underplating.  
For full plating, remove the trailing L.  
Italicized part numbers are for the TE's Evreux facility. All others are for TE's Oceanside facility.  
For wire size, a double number indicates Mating End/Crimp End.

| Contact Part Number                                                                                                        |                          | Contact Size | Insertion/ Removal Tool |             |                  |             | Crimping         |             |                  |             |
|----------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|-------------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|
|                                                                                                                            |                          |              | Insertion               |             | Removal          |             | Crimp Tool       |             | Positioner       |             |
| Military Part No.                                                                                                          | TE Part No.              | AWG          | M81969 Slash No.        | TE Part No. | M81969 Slash No. | TE Part No. | M22520 Slash No. | TE Part No. | M22520 Slash No. | TE Part No. |
| M39029 Contacts                                                                                                            |                          |              |                         |             |                  |             |                  |             |                  |             |
| M39029/57 Socket Contacts (For MIL-DTL-38999 Series II, -24308, -83733, -55302, and EN4165 Connectors)                     |                          |              |                         |             |                  |             |                  |             |                  |             |
| /57-354                                                                                                                    | 38946-22<br>724-0003-22  | 22/22D       | /14-01                  | 2844645-1   | /14-01           | 2844645-1   | /2-01            | 601966-1    | /2-06            | 601966-4    |
|                                                                                                                            |                          |              | /8-01                   | 2844657-1   | /8-02            | 2844651-1   | /7-01            | 2031850-1   | /7-06            | 2844711-1   |
| /57-357                                                                                                                    | 38946-20L<br>724-0003-20 | 20           | /14-02                  | 2031839-1   | /14-02           | 2031839-1   | /2-01            | 601966-1    | /2-10            | 1-601966-4  |
|                                                                                                                            |                          |              | /8-05                   | 2031747-1   | /8-06            | 2031802-1   | /7-01            | 2031850-1   | /7-08            | 2844639-1   |
| /57-358                                                                                                                    | 38946-16L<br>724-0003-16 | 16           | —                       | —           | —                | —           | /1-01            | 601967-1    | /1-04            | 601967-3    |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /1-01            | 601967-1    | /1-04            | 601967-3    |
| /57-359                                                                                                                    | 38946-12<br>724-0003-12  | 12           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /7-01            | 2031850-1   | /7-04            | 2844640-1   |
|                                                                                                                            |                          |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /1-01            | 601967-1    | /1-04            | 601967-3    |
| M39029/58 Pin Contacts (For MIL-DTL-38999 Series I, II,III, and IV, -24308, -83733, -55302, EN3645, and EN4165 Connectors) |                          |              |                         |             |                  |             |                  |             |                  |             |
| /58-360                                                                                                                    | 38941-22L<br>724-0001-22 | 22/22D       | /14-01                  | 2844645-1   | /14-01           | 2844645-1   | /2-01            | 601966-1    | /2-09            | 601966-6    |
|                                                                                                                            |                          |              | /8-01                   | 2844657-1   | /8-02            | 2844651-1   | /7-01            | 2031850-1   | /7-07            | 2844641-1   |
| /58-363                                                                                                                    | 38941-20L<br>724-0001-20 | 20           | /14-10                  | 2031843-1   | /14-10           | 2031843-1   | /2-01            | 601966-1    | /2-10            | 1-601966-4  |
|                                                                                                                            |                          |              | /8-05                   | 2031747-1   | /8-06            | 2031802-1   | /7-01            | 2031850-1   | /7-08            | 2844639-1   |
| /58-364                                                                                                                    | 38941-16L<br>724-0001-16 | 16           | —                       | —           | —                | —           | /1-01            | 601967-1    | /1-04            | 601967-3    |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /1-01            | 601967-1    | /1-04            | 601967-3    |
| /58-365                                                                                                                    | 38941-12L<br>724-0001-12 | 12           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /7-01            | 2031850-1   | /7-04            | 2844640-1   |
|                                                                                                                            |                          |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /1-01            | 601967-1    | /1-04            | 601967-3    |
| M39029/63 Socket Contacts (For MIL-DTL-24308 Connectors)                                                                   |                          |              |                         |             |                  |             |                  |             |                  |             |
| /63-368                                                                                                                    | 2562-201-2031L           | 20           | /39-01                  | 2844661-1   | /39-01           | 2844661-1   | /2-01            | 601966-1    | /2-08            | 601966-5    |
|                                                                                                                            |                          |              | /1-02                   | 2844650-1   | /1-02            | 2844650-1   |                  |             |                  |             |
| M39029/64 Pin Contacts (For MIL-DTL-24308 Connectors)                                                                      |                          |              |                         |             |                  |             |                  |             |                  |             |
| /64-369                                                                                                                    | 2560-201-2031L           | 20           | /39-01                  | 2844661-1   | /39-01           | 2844661-1   | /2-01            | 601966-1    | /2-08            | 601966-5    |
|                                                                                                                            |                          |              | /1-02                   | 2844650-1   | /1-02            | 2844650-1   |                  |             |                  |             |
| M39029/75 Socket Contacts • Coax (For MIL-DTL-38999 Series I, III, and IV Connectors)                                      |                          |              |                         |             |                  |             |                  |             |                  |             |
| /75-416                                                                                                                    | 6162-217-1277            | 12           | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | /2-01            | 601966-1    | /2-34            | 2844632-1   |
|                                                                                                                            |                          |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /31-01           | 2844622-1   | /31-02           | 2844637-1   |
| /75-417                                                                                                                    | 6162-218-1277            | 12           | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | /2-01            | 601966-1    | /2-34            | 2844632-1   |
|                                                                                                                            |                          |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /31-01           | 2844622-1   | /31-02           | 2844637-1   |
| /75-418                                                                                                                    | 6162-219-1277            | 12           | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | /2-01            | 601966-1    | /2-34            | 2844632-1   |
|                                                                                                                            |                          |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /31-01           | 2844622-1   | /31-02           | 2844637-1   |
| /75-419                                                                                                                    | 6162-220-1277            | 12           | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | /2-01            | 601966-1    | /2-34            | 2844632-1   |
|                                                                                                                            |                          |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /31-01           | 2844622-1   | /31-02           | 2844637-1   |
| /75-421                                                                                                                    | 6162-222-1277            | 12           | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | /2-01            | 601966-1    | /2-34            | 2844632-1   |
|                                                                                                                            |                          |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /31-01           | 2844622-1   | /31-02           | 2844637-1   |
| /75-422                                                                                                                    | 6162-223-1277            | 12           | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | /2-01            | 601966-1    | /2-34            | 2844632-1   |
|                                                                                                                            |                          |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /31-01           | 2844622-1   | /31-02           | 2844637-1   |
| /75-423                                                                                                                    | 6162-224-1277            | 12           | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | /2-01            | 601966-1    | /2-34            | 2844632-1   |
|                                                                                                                            |                          |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /31-01           | 2844622-1   | /31-02           | 2844637-1   |
| M39029/76 Pin Contacts • Coax (For MIL-DTL-38999 Series I, II, III, and IV and -24308 Connectors)                          |                          |              |                         |             |                  |             |                  |             |                  |             |
| /76-424                                                                                                                    | 6162-229-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| /76-425                                                                                                                    | 6162-230-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| /76-426                                                                                                                    | 6162-231-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| /76-427                                                                                                                    | 6162-232-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| M39029/77 Socket Contacts • Coax (For MIL-DTL-38999 Series I, III, and IV Connectors)                                      |                          |              |                         |             |                  |             |                  |             |                  |             |
| /77-428                                                                                                                    | 6162-213-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| /77-429                                                                                                                    | 6162-214-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| /77-430                                                                                                                    | 6162-215-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| /77-431                                                                                                                    | 6162-216-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| M39029/78 Socket Contacts • Coax (For MIL-DTL-38999 Series II and -24308 Connectors)                                       |                          |              |                         |             |                  |             |                  |             |                  |             |
| /78-432                                                                                                                    | 6162-253-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| /78-433                                                                                                                    | 6162-254-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| /78-434                                                                                                                    | 6162-255-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |
| /78-435                                                                                                                    | 6162-256-1677            | 16           | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /2-01            | 601966-1    | /2-35            | 2844633-1   |
|                                                                                                                            |                          |              | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /4-01            | 601963-1    | /4-02            | 2844642-1   |

Part numbers ending in trailing L are available with localized gold plating, according to ASTM B 488, Type II, Code C: 50 micro-inches over nickel underplating.  
For full plating, remove the trailing L.  
Italicized part numbers are for the TE's Evreux facility. All others are for TE's Oceanside facility.  
For wire size, a double number indicates Mating End/Crimp End.

| Contact Part Number                                                                                       |                         | Contact Size | Insertion/ Removal Tool |             |                  |             | Crimping         |             |                  |             |
|-----------------------------------------------------------------------------------------------------------|-------------------------|--------------|-------------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|
|                                                                                                           |                         |              | Insertion               |             | Removal          |             | Crimp Tool       |             | Positioner       |             |
| Military Part No.                                                                                         | TE Part No.             | AWG          | M81969 Slash No.        | TE Part No. | M81969 Slash No. | TE Part No. | M22520 Slash No. | TE Part No. | M22520 Slash No. | TE Part No. |
| M39029 Contacts                                                                                           |                         |              |                         |             |                  |             |                  |             |                  |             |
| M39029/83 Pin Contacts (For MIL-DTL-28840 Connectors)                                                     |                         |              |                         |             |                  |             |                  |             |                  |             |
| /83-450                                                                                                   | 2560-221-2031           | 20/22        | /33-01                  | 2844662-1   | /34-01           | 2031780-1   | /34-01           | 2844621-1   | /34-02           | 2844634-1   |
| /83-451                                                                                                   | 2560-222-2031           | 20/28        | /33-01                  | 2844662-1   | /34-01           | 2031780-1   | /34-01           | 2844621-1   | /34-02           | 2844634-1   |
| /83-508                                                                                                   | 2560-220-2031           | 20           | /33-01                  | 2844662-1   | /34-01           | 2031780-1   | /34-01           | 2844621-1   | /34-02           | 2844634-1   |
| M39029/84 Socket Contacts (For MIL-DTL-28840 Connectors)                                                  |                         |              |                         |             |                  |             |                  |             |                  |             |
| /84-452                                                                                                   | 2562-214-2031           | 20/22        | /33-01                  | 2844662-1   | /34-01           | 2031780-1   | /34-01           | 2844621-1   | /34-02           | 2844634-1   |
| /84-453                                                                                                   | 2562-215-2031           | 20/28        | /33-01                  | 2844662-1   | /34-01           | 2031780-1   | /34-01           | 2844621-1   | /34-02           | 2844634-1   |
| /84-509                                                                                                   | 2562-213-2031           | 20           | /33-01                  | 2844662-1   | /34-01           | 2031780-1   | /34-01           | 2844621-1   | /34-02           | 2844634-1   |
| M39029/90 Pin Contacts • Twinax (For MIL-DTL-38999 Series III and IV Connectors)                          |                         |              |                         |             |                  |             |                  |             |                  |             |
| /90-529                                                                                                   | 6162-283-0877           | 8            | /14-12                  | 2844663-1   | /14-12           | 2844663-1   | /2-01            | 601966-1    | /2-37            | 2844660-1   |
|                                                                                                           |                         |              |                         |             |                  |             | /5-01            | 608650-1    | /5-105           | 2844643-1   |
| M39029/91 Socket Contacts • Twinax (For MIL-DTL-38999 Series III and IV Connectors)                       |                         |              |                         |             |                  |             |                  |             |                  |             |
| /91-530                                                                                                   | 6162-284-0877           | 8            | /14-12                  | 2844663-1   | /14-12           | 2844663-1   | /2-01            | 601966-1    | /2-37            | 2844660-1   |
|                                                                                                           |                         |              |                         |             |                  |             | /5-01            | 608650-1    | /5-105           | 2844643-1   |
| M39029/101 Socket Contacts (For MIL-DTL-12883 Sockets and MIL-PRF-Relays)                                 |                         |              |                         |             |                  |             |                  |             |                  |             |
| /101-553                                                                                                  | 1662-213-2031           | 20           | /16-01                  | 2031741-1   | /16-01           | 2031741-1   | /7-01            | 2031850-1   | /7-12            | 2844630-1   |
|                                                                                                           |                         |              |                         |             |                  |             | /1-01            | 601967-1    |                  |             |
| /101-554                                                                                                  | 1662-213-1631           | 16           | /16-02                  | 2844644-1   | /16-02           | 2844644-1   | /7-01            | 2031850-1   | /7-13            | 2844631-1   |
| M39029/102 Pin Contacts • Coax (For MIL-DTL-38999 Series III and IV Connectors)                           |                         |              |                         |             |                  |             |                  |             |                  |             |
| /102-558                                                                                                  | 6162-324-1231           | 12           | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | /5-01            | 608650-1    | —                | —           |
|                                                                                                           |                         |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   |                  |             |                  |             |
| M39029/103 Socket Contacts • Coax (For MIL-DTL-38999 Series III and IV Connectors)                        |                         |              |                         |             |                  |             |                  |             |                  |             |
| /103-559                                                                                                  | 6162-325-1231           | 12           | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | /5-01            | 608650-1    | —                | —           |
|                                                                                                           |                         |              | /14-04                  | 2031841-1   | /14-04           | 2031841-1   |                  |             |                  |             |
| M39029/106 Socket Contacts (For MIL-DTL-38999 Series III and IV, AS29600 Series A, and EN3645 Connectors) |                         |              |                         |             |                  |             |                  |             |                  |             |
| /106-614                                                                                                  | 12333-22<br>182-0447-22 | 22/22D       | /14-01                  | 2844645-1   | /14-01           | 2844645-1   | /2-01            | 601966-1    | /2-07            | 1-601966-3  |
|                                                                                                           |                         |              | /8-01                   | 2844657-1   | /8-02            | 2844651-1   | /7-01            | 2031850-1   | /7-05            | 2844638-1   |
| /106-615                                                                                                  | 12333-20<br>182-0447-16 | 20           | /14-10                  | 2031843-1   | /14-10           | 2031843-1   | /1-01            | 601967-1    | /1-04            | 601967-3    |
|                                                                                                           |                         |              | /8-05                   | 2031747-1   | /8-06            | 2031802-1   | /2-01            | 601966-1    | /2-10            | 1-601966-4  |
|                                                                                                           |                         |              | —                       | —           | —                | —           | /7-01            | 2031850-1   | /7-08            | 2844639-1   |
| /106-616                                                                                                  | 12333-16<br>182-0447-16 | 16           | /14-03                  | 2031840-1   | /14-03           | 2031840-1   | /1-01            | 601967-1    | /1-04            | 601967-3    |
|                                                                                                           |                         |              | /8-07                   | 2844658-1   | /8-08            | 2031787-1   | /7-01            | 2031850-1   | /7-04            | 2844640-1   |
| /106-617                                                                                                  | 12333-12<br>182-0447-12 | 12           | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /1-01            | 601967-1    | /1-04            | 601967-3    |
|                                                                                                           |                         |              | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | —                | —           | —                | —           |
| M39029/107 Pin Contacts (For MIL-DTL-38999 Series III and IV, AS29600 Series A, and EN3645 Connectors)    |                         |              |                         |             |                  |             |                  |             |                  |             |
| /107-620                                                                                                  | 12331-22<br>182-0441-22 | 22/22D       | /14-01                  | 2844645-1   | /14-01           | 2844645-1   | /2-01            | 601966-1    | /2-07            | 1-601966-3  |
|                                                                                                           |                         |              | /8-01                   | 2844657-1   | /8-02            | 2844651-1   | /7-01            | 2031850-1   | /7-05            | 2844638-1   |
|                                                                                                           |                         |              | /14-10                  | 2031843-1   | /14-10           | 2031843-1   | /1-01            | 601967-1    | /1-04            | 601967-3    |
| /107-621                                                                                                  | 12331-20<br>182-0441-20 | 20           | /8-05                   | 2031747-1   | /8-06            | 2031802-1   | /2-01            | 601966-1    | /2-10            | 1-601966-4  |
|                                                                                                           |                         |              | —                       | —           | —                | —           | /7-01            | 2031850-1   | /7-08            | 2844639-1   |
| /107-622                                                                                                  | 12331-16<br>182-0441-16 | 16           | /14-03                  | 2031840-1   | /14-10           | 2031843-1   | /1-01            | 601967-1    | /1-04            | 601967-3    |
|                                                                                                           |                         |              | /8-07                   | 2844658-1   | /8-06            | 2031802-1   | /7-01            | 2031850-1   | /7-04            | 2844640-1   |
| /107-623                                                                                                  | 12331-12<br>182-0441-12 | 12           | /14-04                  | 2031841-1   | /14-04           | 2031841-1   | /1-01            | 601967-1    | /1-04            | 601967-3    |
|                                                                                                           |                         |              | /8-09                   | 2844659-1   | /8-10            | 2031786-1   | —                | —           | —                | —           |

Part numbers ending in trailing L are available with localized gold plating, according to ASTM B 488, Type II, Code C: 50 micro-inches over nickel underplating.

For full plating, remove the trailing L.

Italicized part numbers are for the TE's Evreux facility. All others are for TE's Oceanside facility.

For wire size, a double number indicates Mating End/Crimp End.

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