



# DEUTSCH DJT SERIES CONNECTORS FOR MIL-DTL-38999 SERIES I

RUGGED, HARSH ENVIRONMENT  
SUBMINIATURE CONNECTORS

## QUICK REFERENCE GUIDE

### Wide Range

- Mil spec and commercial
- Range of finishes

### High Performance

- Environmentally sealed

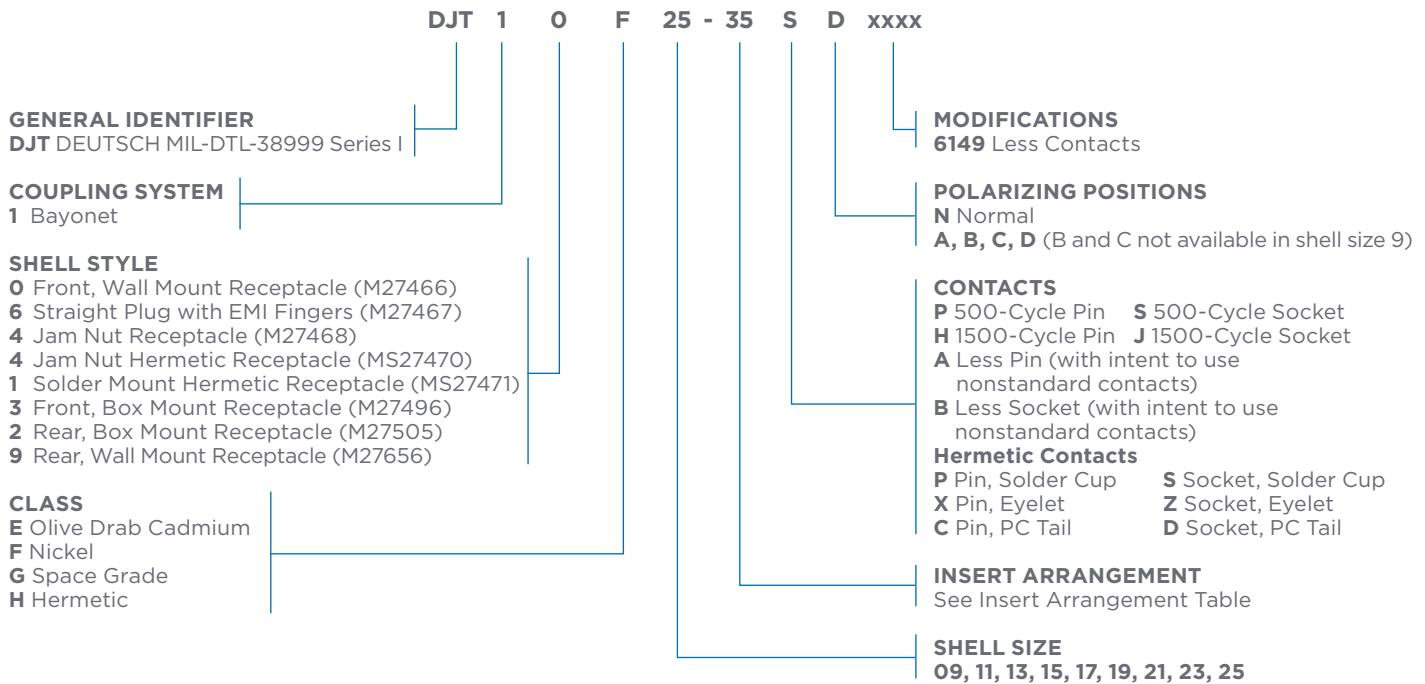
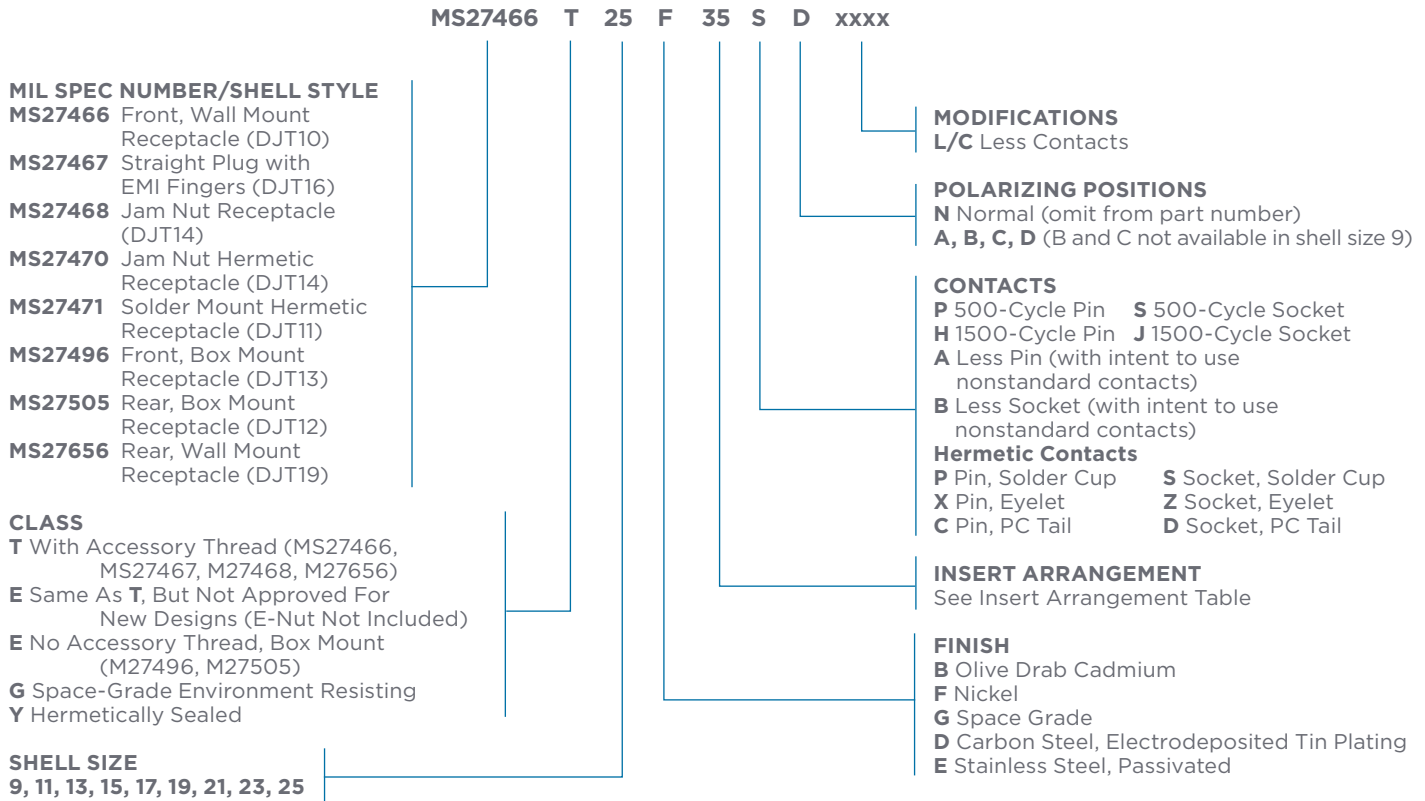
## MIL-DTL-38999 Series I Connectors

|                                     |   |
|-------------------------------------|---|
| <b>Coupling Mechanism</b>           | Bayonet, 1/3 Turn   |
| <b>Shell Materials</b>              | Aluminum  |
| <b>Features</b>                     | Scoop proof<br>Environmentally sealed<br>Hermetic versions<br>Filter versions<br>Plugs with spring fingers for EMI control  |
| <b>Shell Platings</b>               | Olive drab cadmium<br>Electroless nickel<br>Carbon steel, electrodeposited tin plating<br>Stainless steel, passivated   |
| <b>Contact Sizes</b>                | 22, 20, 16, 12, 10, 8   |
| <b>Shell Sizes</b>                  | 9, 11, 13, 15, 17, 19, 21, 23, 25   |
| <b>No. of Signal Contacts, Max.</b> | 128   |
| <b>Contact Type</b>                 | AS39029   |
| <b>Contact Styles</b>               | Crimp<br>Solder cup or eyelet<br>PCB tail   |
| <b>Operating Temperatures</b>       | -65°C to +150°C - Electrodeposited tin-plated carbon steel (Class D)<br>-65°C to +175°C - Cadmium finish (Class B)<br>-65°C to +200°C - Nickel finish (Class F) and stainless steel (Class E)                               |
| <b>Durability (Mating Cycles)</b>   | 500   |
| <b>Standard Configurations</b>      |   |
| <b>Plugs</b>                        | Straight, with EMI spring fingers (M27467)  |
| <b>Receptacles</b>                  | Front, wall mount (M27466)<br>Jam nut (M27468)<br>Front, box mount (M27496)<br>Rear, box mount (M27505)<br>Rear, wall mount (M27656)<br>Jam nut hermetic receptacle (MS27470)<br>Solder mount hermetic receptacle (MS27471) |

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## DEUTSCH 38999 Series I Connectors



# Insert Arrangements



| Insert | Contact Size/Quantity |          |        |         |           |         |    |    |    |    |     | QP_L Hermetic | Uses 38999/62-8* Boots | Inactive: Superseded by |       |
|--------|-----------------------|----------|--------|---------|-----------|---------|----|----|----|----|-----|---------------|------------------------|-------------------------|-------|
|        | DJT and Military      | 8 Twinax | 8 Coax | 8 Power | 12 Twinax | 12 Coax | 10 | 12 | 16 | 20 | 22D |               |                        |                         | QP_L  |
| 09-07  |                       |          |        |         |           |         |    |    |    |    | 7   |               |                        |                         |       |
| 09-35  |                       |          |        |         |           |         |    |    |    |    | 6   | ✓             | ✓                      |                         |       |
| 09-98  |                       |          |        |         |           |         |    |    | 3  |    |     | ✓             | ✓                      |                         |       |
| 11-02  |                       |          |        |         |           |         |    | 2  |    |    |     | ✓             | ✓                      |                         |       |
| 11-04  |                       |          |        |         |           |         |    |    | 4  |    |     | ✓             | ✓                      |                         |       |
| 11-05  |                       |          |        |         |           |         |    |    | 5  |    |     | ✓             | ✓                      |                         |       |
| 11-35  |                       |          |        |         |           |         |    |    |    | 13 |     | ✓             | ✓                      |                         |       |
| 11-98  |                       |          |        |         |           |         |    |    | 6  |    |     | ✓             | ✓                      |                         |       |
| 11-99  |                       |          |        |         |           |         |    |    | 7  |    |     | ✓             | ✓                      |                         |       |
| 13-04  |                       |          |        |         |           |         |    | 4  |    |    |     | ✓             | ✓                      |                         |       |
| 13-08  |                       |          |        |         |           |         |    |    | 8  |    |     | ✓             | ✓                      |                         |       |
| 13-35  |                       |          |        |         |           |         |    |    |    | 22 |     | ✓             | ✓                      |                         |       |
| 13-98  |                       |          |        |         |           |         |    |    | 10 |    |     | ✓             | ✓                      |                         |       |
| 15-05  |                       |          |        |         |           |         |    | 5  |    |    |     | ✓             | ✓                      |                         |       |
| 15-15  |                       |          |        |         |           |         |    | 1  | 14 |    |     |               | ✓                      |                         |       |
| 15-18  |                       |          |        |         |           |         |    |    | 18 |    |     |               | ✓                      |                         |       |
| 15-19  |                       |          |        |         |           |         |    |    | 19 |    |     | ✓             | ✓                      |                         |       |
| 15-26  |                       |          |        |         |           |         |    | 2  |    | 24 |     |               |                        |                         |       |
| 15-35  |                       |          |        |         |           |         |    |    |    | 37 |     | ✓             | ✓                      |                         |       |
| 15-97  |                       |          |        |         |           |         |    | 4  | 8  |    |     | ✓             | ✓                      |                         |       |
| 17-02  | 1                     |          |        |         |           |         |    |    |    | 38 |     |               |                        |                         | 17-03 |
| 17-03  | 1                     |          |        |         |           |         |    |    |    | 38 |     |               |                        | ✓                       |       |
| 17-06  |                       |          |        |         |           |         | 6  |    |    |    |     | ✓             |                        |                         |       |
| 17-08  |                       |          |        |         |           |         |    | 8  |    |    |     | ✓             |                        |                         |       |
| 17-11  |                       |          |        | 2       | 1         |         |    |    | 8  |    |     |               |                        |                         |       |
| 17-19  |                       |          |        |         |           |         |    | 4  | 11 | 4  |     |               |                        |                         |       |
| 17-20  |                       |          |        |         |           |         | 4  |    |    | 16 |     |               |                        |                         |       |
| 17-22  | 2                     |          |        |         |           |         | 2  |    |    |    |     |               |                        |                         |       |
| 17-24  |                       |          | 2      |         |           |         |    |    |    | 22 |     |               |                        |                         |       |
| 17-26  |                       |          |        |         |           |         |    |    | 26 |    |     | ✓             |                        |                         |       |
| 17-35  |                       |          |        |         |           |         |    |    |    | 55 |     | ✓             |                        |                         |       |
| 17-99  |                       |          |        |         |           |         |    | 2  | 21 |    |     | ✓             |                        |                         |       |
| 19-11  |                       |          |        |         |           |         |    | 11 |    |    |     | ✓             |                        |                         |       |
| 19-18  | 4                     |          |        |         |           |         |    |    |    | 14 |     |               |                        |                         | 19-19 |
| 19-19  | 4                     |          |        |         |           |         |    |    |    | 14 |     |               |                        | ✓                       |       |
| 19-28  |                       |          |        |         |           |         |    | 2  | 26 |    |     |               |                        |                         |       |
| 19-32  |                       |          |        |         |           |         |    |    | 32 |    |     | ✓             |                        |                         |       |



| Insert           | Contact Size/Quantity |        |         |           |         |    |    |    |    |     |   | QPL | QPL Hermetic | Uses 38999/62-8* Boots | Inactive: Superseded by |
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| DJT and Military | 8 Twinax              | 8 Coax | 8 Power | 12 Twinax | 12 Coax | 10 | 12 | 16 | 20 | 22D |   |     |              |                        |                         |
| 19-35            |                       |        |         |           |         |    |    |    |    | 66  | ✓ |     |              |                        |                         |
| 21-11            |                       |        |         |           |         |    | 11 |    |    |     | ✓ |     |              |                        |                         |
| 21-16            |                       |        |         |           |         |    |    | 16 |    |     | ✓ |     |              |                        |                         |
| 21-20            | 2                     |        |         |           |         |    |    |    | 18 |     |   |     |              |                        |                         |
| 21-35            |                       |        |         |           |         |    |    |    |    | 79  | ✓ |     |              |                        |                         |
| 21-39            |                       |        |         |           |         |    |    | 2  | 37 |     | ✓ |     |              |                        |                         |
| 21-41            |                       |        |         |           |         |    |    |    | 41 |     | ✓ |     |              |                        |                         |
| 21-48            |                       |        | 4       |           |         |    |    |    |    |     |   |     |              |                        |                         |
| 21-75            | 4                     |        |         |           |         |    |    |    |    |     |   |     |              | 21-76                  |                         |
| 21-76            | 4                     |        |         |           |         |    |    |    |    |     |   |     | ✓            |                        |                         |
| 23-06            | 6                     |        |         |           |         |    |    |    |    |     |   |     |              |                        |                         |
| 23-21            |                       |        |         |           |         |    |    | 21 |    |     | ✓ |     |              |                        |                         |
| 23-35            |                       |        |         |           |         |    |    |    |    | 100 | ✓ |     |              |                        |                         |
| 23-53            |                       |        |         |           |         |    |    |    | 53 |     | ✓ |     |              |                        |                         |
| 23-54            |                       |        |         |           |         |    | 4  | 9  | 40 |     |   |     |              |                        |                         |
| 23-55            |                       |        |         |           |         |    |    |    | 55 |     | ✓ |     |              |                        |                         |
| 23-63            |                       |        |         |           |         |    | 4  | 4  | 49 |     |   |     |              |                        |                         |
| 25-04            |                       |        |         |           |         |    |    | 8  | 48 |     | ✓ | ✓   |              |                        |                         |
| 25-07            | 2                     |        |         |           |         |    |    |    |    | 97  |   |     |              | 25-09                  |                         |
| 25-08            | 8                     |        |         |           |         |    |    |    |    |     |   |     |              | 25-10                  |                         |
| 25-09            | 2                     |        |         |           |         |    |    |    |    | 97  |   |     | ✓            |                        |                         |
| 25-10            | 8                     |        |         |           |         |    |    |    |    |     |   |     | ✓            |                        |                         |
| 25-17            | 6                     |        |         |           |         |    |    |    |    | 36  |   |     |              |                        |                         |
| 25-19            |                       |        |         |           |         |    | 19 |    |    |     | ✓ | ✓   |              |                        |                         |
| 25-20            | 3                     |        |         |           | 4       |    |    | 13 | 10 |     |   |     |              | 25-21                  |                         |
| 25-21            | 3                     |        |         |           | 4       |    |    | 13 | 10 |     |   |     | ✓            |                        |                         |
| 25-24            |                       |        |         |           |         |    | 12 | 12 |    |     | ✓ | ✓   |              |                        |                         |
| 25-29            |                       |        |         |           |         |    |    | 29 |    |     | ✓ | ✓   |              |                        |                         |
| 25-35            |                       |        |         |           |         |    |    |    |    | 128 | ✓ | ✓   |              |                        |                         |
| 25-37            |                       |        |         |           |         |    |    | 37 |    |     | ✓ | ✓   |              |                        |                         |
| 25-43            |                       |        |         |           |         |    |    | 20 | 23 |     | ✓ | ✓   |              |                        |                         |
| 25-46            |                       | 2      |         |           |         |    |    | 4  | 40 |     |   |     |              | 25-47                  |                         |
| 25-47            |                       | 2      |         |           |         |    |    | 4  | 40 |     |   |     | ✓            |                        |                         |
| 25-61            |                       |        |         |           |         |    |    |    | 61 |     | ✓ | ✓   |              |                        |                         |
| 25-90            | 2                     |        |         |           |         |    |    | 4  | 40 |     |   |     |              | 25-91                  |                         |
| 25-91            | 2                     |        |         |           |         |    |    | 4  | 40 |     |   |     | ✓            |                        |                         |

Blue shaded entries are not Mil Spec.

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