

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

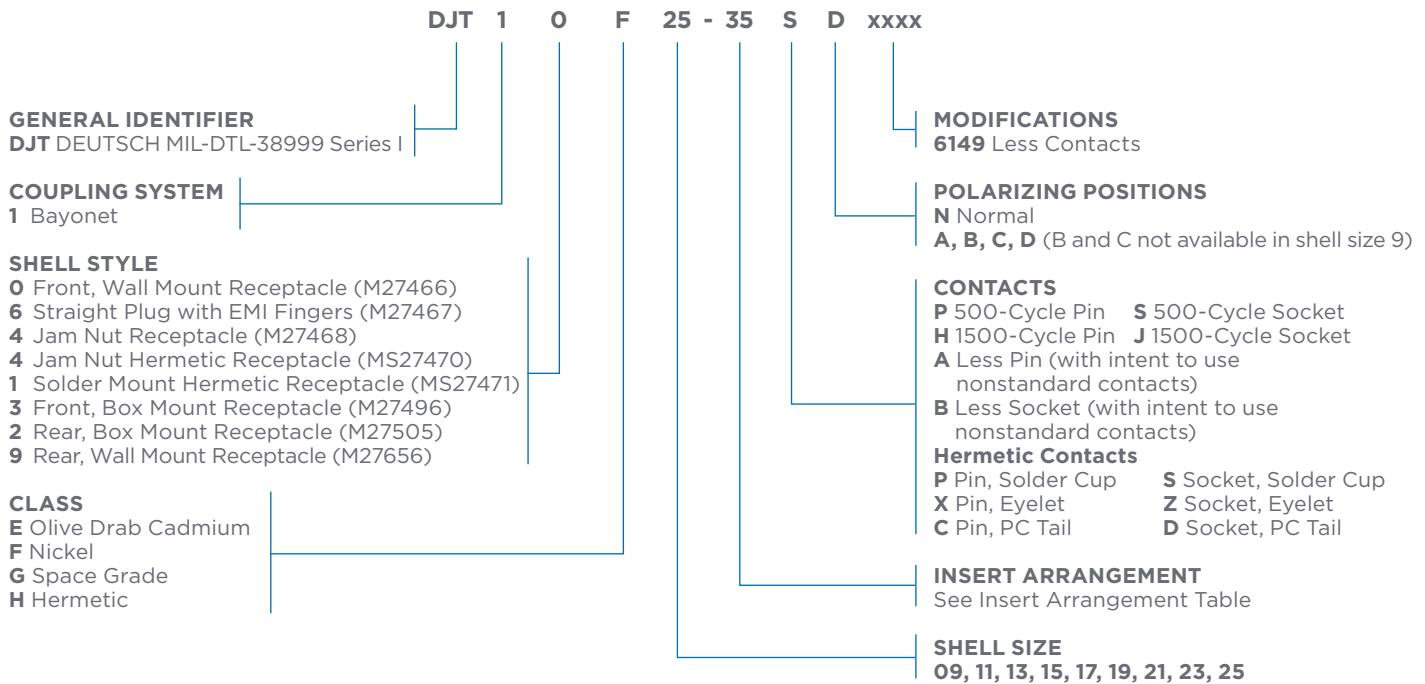
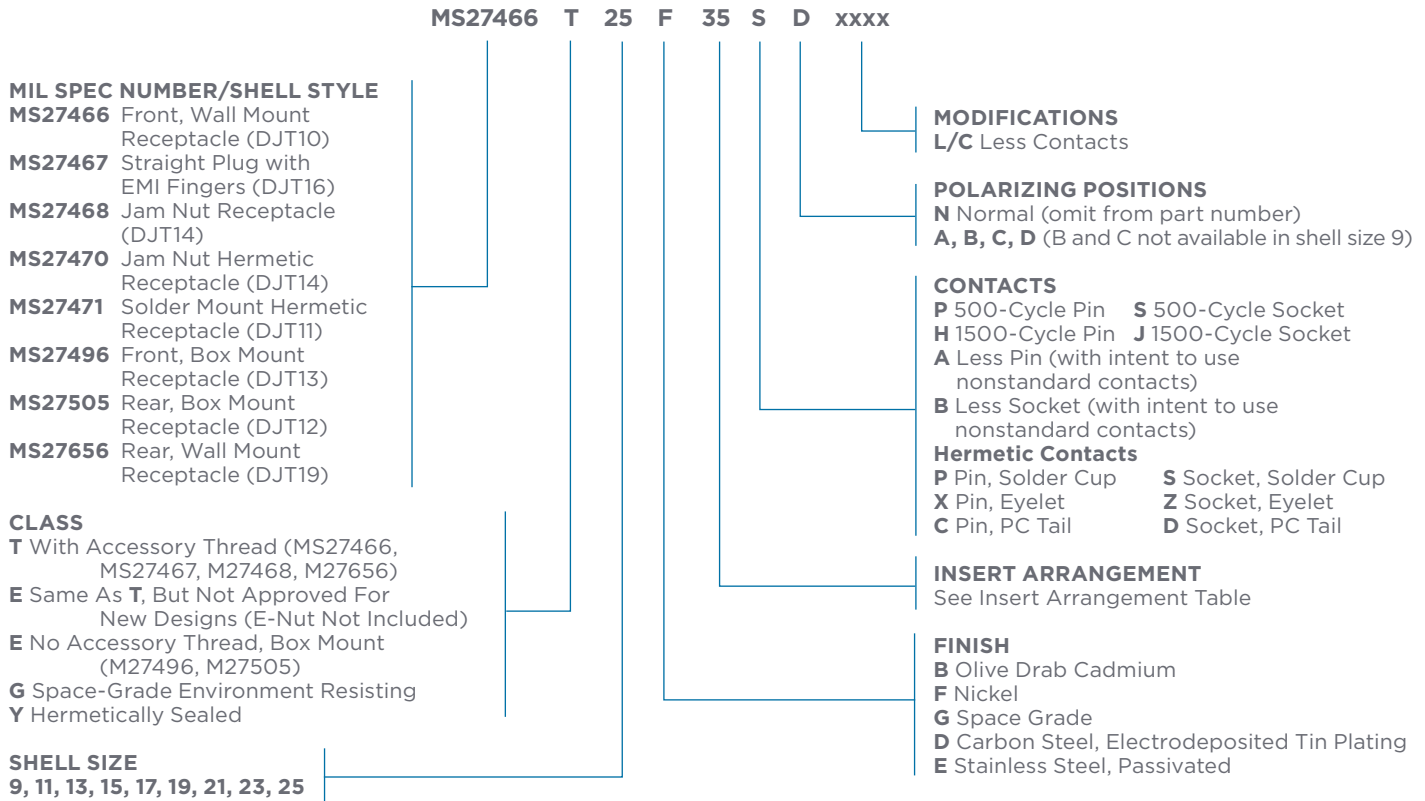
MIL-DTL-38999 Series I Connectors

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

TE Components . . . TE Technology . . . TE Know-how . . .
AMP | Agastat | CII | Hartman | Kilovac | Microdot | Nanonics | Polamco | Raychem | Rochester | DEUTSCH
SEACON Phoenix | L.L. Rowe | Phoenix Optix | AFP | SEACON

Get your product to market faster with a smarter, better solution.

DEUTSCH 38999 Series I Connectors



Insert Arrangements



| Insert | Contact Size/Quantity | | | | | | | | | | | QPL | QPL Hermetic | Uses 38999/62-8* Boots | Inactive: Superseded by |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 | | | | |
| 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 |
|------------------|-----------------------|--------|---------|-----------|---------|----|----|----|----|-----|---|-----|--------------|------------------------|-------------------------|
| 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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