# MS3406DJ Type Connector & Backshell

*TF Series • MIL-DTL-5015 Crimp Type Connectors*



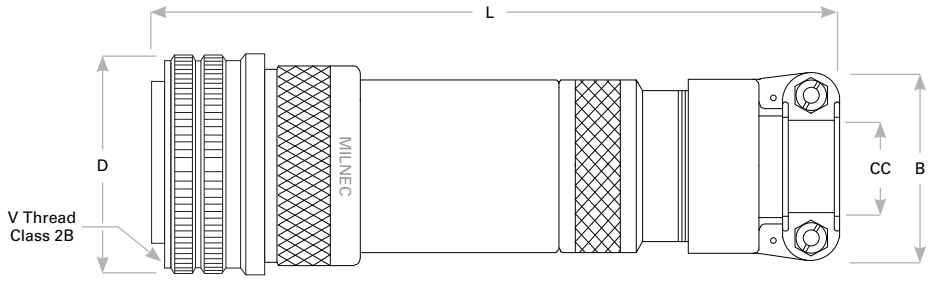

## TF06 Compatibility

| Compatible Brands | Connectors |
|---|---|
| MIL-DTL-5015 Crimp | MS3400, MS3401, MS3404, MS3406, MS3496 |

## TF06 DJ 28-12 P N - E2(055) - 01

1 2 3 4 5 6 7

1. **BASIC PART NUMBER**
   - **TF06** Plug
2. **MATERIAL & FINISH**
   - **DJ** Aluminum, cadmium over nickel
3. **SHELL SIZE & INSERT ARRANGEMENT**
   - See Insert Arrangement Selection table, p. X-12
4. **CONTACT STYLE**
   - **P** Pin
   - **S** Socket
   - **D** Pin (wire reducing, size #16 & #12 only)
   - **F** Socket (wire reducing, size #16 & #12 only)
5. **INSERT ROTATION**
   - **N** Normal or W, X, Y, Z, see p. X-12 for availability
6. **BACKSHELL KIT** (OMIT FOR NONE)
   - **E2( )** Straight environmental
   - (Add dash number from table below)
7. **OPTIONAL ACCESSORY KIT** (OMIT FOR NONE)
   - **01** Protective cover




## Dimensions

| Assembly No. | Milnec Part No. | V Thread Class 2B | D Max | B Max | L Max | CC Cable Clearnace | |
|---|---|---|---|---|---|---|---|
| | | | | | | Min | Max |
| MS3406DJ 10Axx | TF06DJ10Sxx-E2(009) | .625-24 UNEF | .969 (24.6) | .957 (24.3) | 4.938 (125.4) | .125 (3.2) | .312 (7.9) |
| MS3406DJ 10Bxx | TF06DJ10Sxx-E2(011) | .625-24 UNEF | .969 (24.6) | 1.145 (29.1) | 5.688 (144.5) | .250 (6.4) | .437 (11.1) |
| MS3406DJ 10Dxx | TF06DJ10Sxx-E2(136) | .625-24 UNEF | .969 (24.6) | 1.145 (29.1) | 4.938 (125.4) | .250 (6.4) | .375 (9.5) |
| MS3406DJ 11Axx | TF06DJ10SLxx-E2(009) | .625-24 UNEF | .969 (24.6) | .957 (24.3) | 4.938 (125.4) | .125 (3.2) | .312 (7.9) |
| MS3406DJ 11Bxx | TF06DJ10SLxx-E2(011) | .625-24 UNEF | .969 (24.6) | 1.145 (29.1) | 5.688 (144.5) | .250 (6.4) | .437 (11.1) |
| MS3406DJ 11Dxx | TF06DJ10SLxx-E2(136) | .625-24 UNEF | .969 (24.6) | 1.145 (29.1) | 4.938 (125.4) | .250 (6.4) | .375 (9.5) |
| MS3406DJ 12Axx | TF06DJ12xx-E2(114) | .750-20 UNEF | 1.062 (27.0) | .957 (24.3) | 4.938 (125.4) | .125 (3.2) | .312 (7.9) |
| MS3406DJ 12Bxx | TF06DJ12xx-E2(015) | .750-20 UNEF | 1.062 (27.0) | 1.332 (33.8) | 5.688 (144.5) | .350 (8.9) | .625 (15.9) |
| MS3406DJ 12Dxx | TF06DJ12xx-E2(138) | .750-20 UNEF | 1.062 (27.0) | 1.332 (33.8) | 4.938 (125.4) | .350 (8.9) | .500 (12.7) |
| MS3406DJ 12Exx | TF06DJ12xx-E2(013) | .750-20 UNEF | 1.062 (27.0) | 1.145 (29.1) | 4.938 (125.4) | .250 (6.4) | .437 (11.1) |
| MS3406DJ 13Axx | TF06DJ12Sxx-E2(114) | .750-20 UNEF | 1.062 (27.0) | .957 (24.3) | 4.938 (125.4) | .125 (3.2) | .312 (7.9) |
| MS3406DJ 13Bxx | TF06DJ12Sxx-E2(015) | .750-20 UNEF | 1.062 (27.0) | 1.332 (33.8) | 5.688 (144.5) | .350 (8.9) | .625 (15.9) |
| MS3406DJ 13Dxx | TF06DJ12Sxx-E2(138) | .750-20 UNEF | 1.062 (27.0) | 1.332 (33.8) | 4.938 (125.4) | .350 (8.9) | .500 (12.7) |
| MS3406DJ 13Exx | TF06DJ12Sxx-E2(013) | .750-20 UNEF | 1.062 (27.0) | 1.145 (29.1) | 4.938 (125.4) | .250 (6.4) | .437 (11.1) |
| MS3406DJ 14Axx | TF06DJ14xx-E2(116) | .875-20 UNEF | 1.156 (29.4) | 1.145 (29.1) | 4.938 (125.4) | .250 (6.4) | .437 (11.1) |

Dimensions are in inches (mm).

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## Dimensions (Continued from previous page)

| Assembly No. | Milnec Part No. | V Thread Class 2B | D | B Max | L | CC Cable Clearance | |
|---|---|---|---|---|---|---|---|
| | | | | | | Min | Max |
| MS3406DJ 14Bxx | TF06DJ14xx-E2(019) | .875-20 UNEF | 1.156 (29.4) | 1.551 (39.4) | 5.750 (146.1) | .500 (12.7) | .750 (19.1) |
| MS3406DJ 14Dxx | TF06DJ14xx-E2(017) | .875-20 UNEF | 1.156 (29.4) | 1.332 (33.8) | 4.938 (125.4) | .350 (8.9) | .575 (14.6) |
| MS3406DJ 14Exx | TF06DJ14xx-E2(150) | .875-20 UNEF | 1.156 (29.4) | .957 (24.3) | 4.938 (125.4) | .125 (3.2) | .312 (7.9) |
| MS3406DJ 15Axx | TF06DJ14Sxx-E2(116) | .875-20 UNEF | 1.156 (29.4) | 1.145 (29.1) | 4.938 (125.4) | .250 (6.4) | .437 (11.1) |
| MS3406DJ 15Bxx | TF06DJ14Sxx-E2(019) | .875-20 UNEF | 1.156 (29.4) | 1.551 (39.4) | 5.750 (146.1) | .500 (12.7) | .750 (19.1) |
| MS3406DJ 15Dxx | TF06DJ14Sxx-E2(017) | .875-20 UNEF | 1.156 (29.4) | 1.332 (33.8) | 4.938 (125.4) | .350 (8.9) | .575 (14.6) |
| MS3406DJ 15Exx | TF06DJ14Sxx-E2(150) | .875-20 UNEF | 1.156 (29.4) | .957 (24.3) | 4.938 (125.4) | .125 (3.2) | .312 (7.9) |
| MS3406DJ 16Axx | TF06DJ16xx-E2(021) | 1.000-20 UNEF | 1.250 (31.8) | 1.551 (39.4) | 5.000 (127.0) | .500 (12.7) | .700 (17.8) |
| MS3406DJ 16Bxx | TF06DJ16xx-E2(023) | 1.000-20 UNEF | 1.250 (31.8) | 1.770 (45.0) | 5.812 (147.6) | .625 (15.9) | .937 (23.8) |
| MS3406DJ 16Dxx | TF06DJ16xx-E2(112) | 1.000-20 UNEF | 1.250 (31.8) | 1.145 (29.1) | 4.938 (125.4) | .250 (6.4) | .437 (11.1) |
| MS3406DJ 16Exx | TF06DJ16xx-E2(118) | 1.000-20 UNEF | 1.250 (31.8) | 1.332 (33.8) | 4.938 (125.4) | .350 (8.9) | .625 (15.9) |
| MS3406DJ 17Axx | TF06DJ16Sxx-E2(021) | 1.000-20 UNEF | 1.250 (31.8) | 1.551 (39.4) | 5.000 (127.0) | .500 (12.7) | .700 (17.8) |
| MS3406DJ 17Bxx | TF06DJ16Sxx-E2(023) | 1.000-20 UNEF | 1.250 (31.8) | 1.770 (45.0) | 5.812 (147.6) | .625 (15.9) | .937 (23.8) |
| MS3406DJ 17Dxx | TF06DJ16Sxx-E2(112) | 1.000-20 UNEF | 1.250 (31.8) | 1.145 (29.1) | 4.938 (125.4) | .250 (6.4) | .437 (11.1) |
| MS3406DJ 17Exx | TF06DJ16Sxx-E2(118) | 1.000-20 UNEF | 1.250 (31.8) | 1.332 (33.8) | 4.938 (125.4) | .350 (8.9) | .625 (15.9) |
| MS3406DJ 18Axx | TF06DJ18xx-E2(025) | 1.000-20 UNEF | 1.344 (34.1) | 1.332 (33.8) | 4.938 (125.4) | .350 (8.9) | .625 (15.9) |
| MS3406DJ 18Bxx | TF06DJ18xx-E2(027) | 1.000-20 UNEF | 1.344 (34.1) | 1.551 (39.4) | 5.000 (127.0) | .500 (12.7) | .750 (19.1) |
| MS3406DJ 18Exx | TF06DJ18xx-E2(120) | 1.062-18 UNEF | 1.344 (34.1) | .957 (24.3) | 4.938 (125.4) | .125 (3.2) | .312 (7.9) |
| MS3406DJ 18Fxx | TF06DJ18xx-E2(122) | 1.062-18 UNEF | 1.344 (34.1) | 1.145 (29.1) | 4.938 (125.4) | .250 (6.4) | .437 (11.1) |
| MS3406DJ 20Axx | TF06DJ20xx-E2(031) | 1.062-18 UNEF | 1.469 (37.3) | 1.332 (33.8) | 5.938 (150.8) | .350 (8.9) | .625 (15.9) |
| MS3406DJ 20Bxx | TF06DJ20xx-E2(033) | 1.062-18 UNEF | 1.469 (37.3) | 1.551 (39.4) | 6.000 (152.4) | .500 (12.7) | .750 (19.1) |
| MS3406DJ 20Exx | TF06DJ20xx-E2(037) | 1.062-18 UNEF | 1.469 (37.3) | 2.113 (53.7) | 7.062 (179.4) | .875 (22.2) | 1.250 (31.8) |
| MS3406DJ 20Fxx | TF06DJ20xx-E2(124) | 1.062-18 UNEF | 1.469 (37.3) | 1.145 (29.1) | 5.938 (150.8) | .250 (6.4) | .437 (11.1) |
| MS3406DJ 20Gxx | TF06DJ20xx-E2(140) | 1.062-18 UNEF | 1.469 (37.3) | 1.770 (45.0) | 6.062 (154.0) | .625 (15.9) | .904 (23.0) |
| MS3406DJ 22Axx | TF06DJ22xx-E2(039) | 1.062-18 UNEF | 1.594 (40.5) | 1.332 (33.8) | 5.938 (150.8) | .350 (8.9) | .625 (15.9) |
| MS3406DJ 22Bxx | TF06DJ22xx-E2(041) | 1.062-18 UNEF | 1.594 (40.5) | 1.551 (39.4) | 6.000 (152.4) | .500 (12.7) | .750 (19.1) |
| MS3406DJ 22Dxx | TF06DJ22xx-E2(043) | 1.062-18 UNEF | 1.594 (40.5) | 1.770 (45.0) | 6.062 (154.0) | .625 (15.9) | .937 (23.8) |
| MS3406DJ 22Exx | TF06DJ22xx-E2(045) | 1.188-18 UNEF | 1.594 (40.5) | 2.113 (53.7) | 7.062 (179.4) | .875 (22.2) | 1.250 (31.8) |
| MS3406DJ 22Fxx | TF06DJ22xx-E2(126) | 1.188-18 UNEF | 1.594 (40.5) | .957 (24.3) | 5.938 (150.8) | .125 (3.2) | .312 (7.9) |
| MS3406DJ 22Gxx | TF06DJ22xx-E2(128) | 1.188-18 UNEF | 1.594 (40.5) | 1.145 (29.1) | 5.938 (150.8) | .250 (6.4) | .437 (11.1) |
| MS3406DJ 22Hxx | TF06DJ22xx-E2(142) | 1.188-18 UNEF | 1.594 (40.5) | 2.113 (53.7) | 6.312 (160.3) | .875 (22.2) | 1.029 (26.1) |
| MS3406DJ 24Axx | TF06DJ24xx-E2(047) | 1.188-18 UNEF | 1.719 (43.7) | 1.551 (39.4) | 6.000 (152.4) | .500 (12.7) | .750 (19.1) |
| MS3406DJ 24Bxx | TF06DJ24xx-E2(049) | 1.188-18 UNEF | 1.719 (43.7) | 1.770 (45.0) | 6.062 (154.0) | .625 (15.9) | .812 (20.6) |
| MS3406DJ 24Dxx | TF06DJ24xx-E2(051) | 1.188-18 UNEF | 1.719 (43.7) | 1.770 (45.0) | 6.062 (154.0) | .625 (15.9) | .937 (23.8) |
| MS3406DJ 24Exx | TF06DJ24xx-E2(053) | 1.188-18 UNEF | 1.719 (43.7) | 2.113 (53.7) | 7.062 (179.4) | .875 (22.2) | 1.250 (31.8) |
| MS3406DJ 24Fxx | TF06DJ24xx-E2(130) | 1.188-18 UNEF | 1.719 (43.7) | 1.332 (33.8) | 5.938 (150.8) | .350 (8.9) | .625 (15.9) |
| MS3406DJ 24Gxx | TF06DJ24xx-E2(144) | 1.188-18 UNEF | 1.719 (43.7) | 2.113 (53.7) | 6.312 (160.3) | .875 (22.2) | 1.144 (29.1) |
| MS3406DJ 28Axx | TF06DJ28xx-E2(055) | 1.188-18 UNEF | 1.969 (50.0) | 1.551 (39.4) | 6.000 (152.4) | .500 (12.7) | .750 (19.1) |
| MS3406DJ 28Bxx | TF06DJ28xx-E2(057) | 1.188-18 UNEF | 1.969 (50.0) | 1.770 (45.0) | 6.062 (154.0) | .625 (15.9) | .937 (23.8) |
| MS3406DJ 28Dxx | TF06DJ28xx-E2(059) | 1.313-18 UNEF | 1.969 (50.0) | 2.113 (53.7) | 6.312 (160.3) | .875 (22.2) | 1.250 (31.8) |
| MS3406DJ 28Exx | TF06DJ28xx-E2(061) | 1.313-18 UNEF | 1.969 (50.0) | 2.363 (60.0) | 6.438 (163.5) | 1.000 (25.4) | 1.375 (34.9) |
| MS3406DJ 32Axx | TF06DJ32xx-E2(063) | 1.313-18 UNEF | 2.219 (56.4) | 1.770 (45.0) | 6.062 (154.0) | .625 (15.9) | .937 (23.8) |
| MS3406DJ 32Bxx | TF06DJ32xx-E2(065) | 1.313-18 UNEF | 2.219 (56.4) | 2.113 (53.7) | 6.312 (160.3) | .875 (22.2) | 1.250 (31.8) |
| MS3406DJ 32Dxx | TF06DJ32xx-E2(067) | 1.313-18 UNEF | 2.219 (56.4) | 2.363 (60.0) | 6.438 (163.5) | 1.000 (25.4) | 1.375 (34.9) |
| MS3406DJ 32Exx | TF06DJ32xx-E2(069) | 1.313-18 UNEF | 2.219 (56.4) | 2.770 (70.4) | 6.750 (171.5) | 1.250 (31.8) | 1.625 (41.3) |

Dimensions are in inches (mm).

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## Dimensions (Continued from previous page)

| Assembly No. | Milnec Part No. | V Thread Class 2B | D | B Max | L | CC Cable Clearance | |
|---|---|---|---|---|---|---|---|
| | | | | | | Min | Max |
| **MS3406DJ 36Axx** | **TF06DJ36xx-E2**(071) | 1.313-18 UNEF | 2.469 (62.7) | 2.113 (53.7) | 7.312 (185.7) | .875 (22.2) | 1.250 (31.8) |
| **MS3406DJ 36Bxx** | **TF06DJ36xx-E2**(073) | 1.313-18 UNEF | 2.469 (62.7) | 2.363 (60.0) | 7.438 (188.9) | 1.000 (25.4) | 1.375 (34.9) |
| **MS3406DJ 36Dxx** | **TF06DJ36xx-E2**(075) | 1.313-18 UNEF | 2.469 (62.7) | 2.770 (70.4) | 7.688 (195.3) | 1.250 (31.8) | 1.625 (41.3) |
| **MS3406DJ 36Exx** | **TF06DJ36xx-E2**(146) | .875-20 UNEF | 2.469 (62.7) | 3.020 (76.7) | 7.750 (196.9) | 1.437 (36.5) | 1.840 (46.7) |
| **MS3406DJ 36Fxx** | **TF06DJ36xx-E2**(132) | .875-20 UNEF | 2.469 (62.7) | 1.551 (39.4) | 7.000 (177.8) | .500 (12.7) | .750 (19.1) |
| **MS3406DJ 36Gxx** | **TF06DJ36xx-E2**(148) | .875-20 UNEF | 2.469 (62.7) | 2.770 (70.4) | 7.062 (179.4) | .625 (15.9) | .937 (19.1) |

Dimensions are in inches (mm).