

# MS3404 Connector Type Datasheet

TF Series • MIL-DTL-5015 Crimp Type Connectors



## TF07 Cross Reference & Compatibility

| Compatible Brands  | Equivalent | Mates                          |
|--------------------|------------|--------------------------------|
| MIL-DTL-5015 Crimp | MS3404     | MS3406, MS3408, MS3409, MS3496 |

## TF07 L 28-22 S N - R2(055) - 02

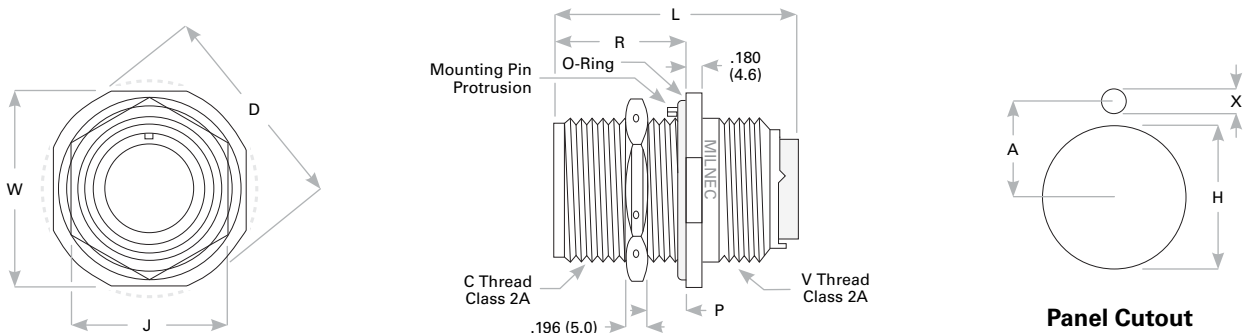
- 1 **BASIC PART NUMBER**  
TF07 Jam nut receptacle
- 2 **MATERIAL & FINISH**  
L Aluminum, electroless nickel  
D Aluminum, olive drab cadmium
- 3 **SHELL SIZE & INSERT ARRANGEMENT**  
See Insert Arrangement Selection table, p. X-12
- 4 **CONTACT STYLE**  
P Pin  
S Socket
- 5 **INSERT ROTATION**  
N Normal or W, X, Y, Z, see p. X-12 for availability
- 6 **OPTIONAL BACKSHELL KIT (OMIT FOR NONE)**  
B2 Straight strain relief (self-locking), p. X-29  
R2( ) Straight EMI/RFI environmental, p. X-40  
(Add dash number for appropriate shell size, see p. X-40)
- 7 **OPTIONAL ACCESSORY KIT (OMIT FOR NONE)**  
02 Protective cover

Note: See part builder (p. X-11) for additional kit options.

## Receptacle Dimensions

| Shell Size | W            | D            | J            | C Thread Class 2A | L Max             |                     | R           | V Thread Class 2A | P Max Rear Panel† | A            | H            | X          |
|------------|--------------|--------------|--------------|-------------------|-------------------|---------------------|-------------|-------------------|-------------------|--------------|--------------|------------|
|            |              |              |              |                   | #12, #16 Contacts | #0, #4, #8 Contacts |             |                   |                   |              |              |            |
| 10L        | 1.312 (33.3) | 1.397 (35.5) | .812 (20.6)  | .6250-24 UNEF     | 2.031 (51.6)      | -                   | .720 (18.3) | .6250-24 UNEF     | .140 (3.6)        | .385 (9.8)   | .640 (16.3)  | .100 (2.5) |
| 12S        | 1.437 (36.5) | 1.522 (38.7) | .937 (23.8)  | .7500-20 UNEF     | 2.031 (51.6)      | -                   | .720 (18.3) | .7500-20 UNEF     | .140 (3.6)        | .448 (11.4)  | .765 (19.4)  | .100 (2.5) |
| 14S        | 1.562 (39.7) | 1.647 (41.8) | 1.125 (28.6) | .8750-20 UNEF     | 2.031 (51.6)      | -                   | .720 (18.3) | .8750-20 UNEF     | .140 (3.6)        | .510 (13.0)  | .890 (22.6)  | .100 (2.5) |
| 16S        | 1.687 (42.8) | 1.772 (45.0) | 1.250 (31.8) | 1.0000-20 UNEF    | 2.031 (51.6)      | -                   | .720 (18.3) | 1.0000-20 UNEF    | .140 (3.6)        | .573 (14.6)  | 1.015 (25.8) | .100 (2.5) |
| 18         | 1.812 (46.0) | 1.897 (48.2) | 1.375 (34.9) | 1.1250-18 UNEF    | 2.125 (54.0)      | 2.500 (63.5)        | .970 (24.6) | 1.0625-18 UNEF    | .140 (3.6)        | .635 (16.1)  | 1.140 (29.0) | .100 (2.5) |
| 20         | 1.937 (49.2) | 2.022 (51.4) | 1.500 (38.1) | 1.2500-18 UNEF    | 2.125 (54.0)      | 2.500 (63.5)        | .970 (24.6) | 1.1875-18 UNEF    | .140 (3.6)        | .698 (17.7)  | 1.265 (32.1) | .100 (2.5) |
| 22         | 2.156 (54.8) | 2.241 (56.9) | 1.625 (41.3) | 1.3750-18 UNEF    | 2.125 (54.0)      | 2.500 (63.5)        | .970 (24.6) | 1.3125-18 UNEF    | .140 (3.6)        | .760 (19.3)  | 1.390 (35.3) | .100 (2.5) |
| 24         | 2.281 (57.9) | 2.366 (60.1) | 1.750 (44.5) | 1.5000-18 UNS     | 2.125 (54.0)      | 2.500 (63.5)        | .970 (24.6) | 1.4375-18 UNEF    | .140 (3.6)        | .823 (20.9)  | 1.515 (38.5) | .100 (2.5) |
| 28         | 2.531 (64.3) | 2.616 (66.4) | 2.000 (50.8) | 1.7500-18 UNS     | 2.125 (54.0)      | 2.500 (63.5)        | .970 (24.6) | 1.7500-18 UNS     | .140 (3.6)        | .948 (24.1)  | 1.765 (44.8) | .100 (2.5) |
| 32         | 2.781 (70.6) | 2.866 (72.8) | 2.375 (60.3) | 2.0000-18 UNS     | 2.125 (54.0)      | 2.500 (63.5)        | .970 (24.6) | 2.0000-18 UNS     | .140 (3.6)        | 1.073 (27.3) | 2.015 (51.2) | .100 (2.5) |
| 36         | 3.031 (77.0) | 3.116 (79.1) | 2.625 (66.7) | 2.2500-16 UN      | 2.125 (54.0)      | 2.500 (63.5)        | .970 (24.6) | 2.2500-16 UN      | .140 (3.6)        | 1.198 (30.4) | 2.265 (57.5) | .100 (2.5) |

Dimensions are in inches (mm). † Max panel thickness applies only to rear mount applications to ensure proper coupling clearance.



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