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| REVISONS |     | DATE                      | DWN    | APVD  |
|----------|-----|---------------------------|--------|-------|
| P        | LTR | DESCRIPTION               |        |       |
| A        |     | REVISED PER E.O. C8206    | 110510 | RB    |
| B        |     | UPDATED PER ECO-14-008850 | 140611 | CB EA |
| C        |     | UPDATED PER ECO-16-000868 | 160126 | MJ EA |



EXAMPLE OF PART NUMBER



- FOR AVAILABILITY CONSULT FACTORY. (C1)
- FOR APPLICABLE KEYING DIAGRAM AND PANEL CUTOUT DIMENSIONS, SEE MIL-DTL-38999. FOR AVAILABLE INSERT ARRANGEMENTS, SEE MIL-STD-1560.
- GENERAL SPECIFICATIONS: THIS CONNECTOR MEETS THE PERFORMANCE AND INTERMATEABILITY REQUIREMENTS OF MIL-DTL-38999, SERIES III.
- MATERIAL / FINISH: SHELL - ALUMINUM ALLOY / PLATING PER EXAMPLE PART NUMBER DESCRIPTION.  
 RESILIENT INSERTS - SILICONE ELASTOMER  
 PLASTIC INSERTS - THERMOPLASTIC.  
 CONTACTS - COPPER ALLOY / GOLD PLATED.
- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. THREAD CALLOUTS ARE METRIC.

| SIZE                  | KEYING DESIGNATION LETTER | W°  | X°  | Y°  | Z°  |
|-----------------------|---------------------------|-----|-----|-----|-----|
| 9                     | N                         | 105 | 140 | 215 | 265 |
|                       | A                         | 102 | 132 | 248 | 320 |
|                       | B                         | 80  | 118 | 230 | 312 |
|                       | C                         | 35  | 140 | 205 | 275 |
|                       | D                         | 64  | 155 | 234 | 304 |
| 11, 13 AND 15         | N                         | 95  | 141 | 208 | 236 |
|                       | A                         | 113 | 156 | 182 | 292 |
|                       | B                         | 90  | 145 | 195 | 252 |
|                       | C                         | 53  | 156 | 220 | 255 |
|                       | D                         | 119 | 146 | 176 | 298 |
| 17, 19, 21, 23 AND 25 | N                         | 80  | 142 | 196 | 293 |
|                       | A                         | 135 | 170 | 200 | 310 |
|                       | B                         | 49  | 169 | 200 | 244 |
|                       | C                         | 66  | 140 | 200 | 257 |
|                       | D                         | 62  | 145 | 180 | 280 |
| E                     | 79                        | 153 | 197 | 272 |     |

| PART NUMBER     | SIZE | D THREAD          | P+.004<br>-.002 | PP+.004<br>-.002 | R1    | R2    | S±.011 | V<br>MAX. | W<br>MAX. |
|-----------------|------|-------------------|-----------------|------------------|-------|-------|--------|-----------|-----------|
| DTS20x09-xxP/Sx | 09   | M12X1.0-6g 0.100R | .128            | .216             | .719  | .594  | .937   | .822      | .098      |
| DTS20x11-xxP/Sx | 11   | M15X1.0-6g 0.100R | .128            | .194             | .812  | .719  | 1.031  | .822      | .098      |
| DTS20x13-xxP/Sx | 13   | M18X1.0-6g 0.100R | .128            | .194             | .906  | .812  | 1.126  | .822      | .098      |
| DTS20x15-xxP/Sx | 15   | M22X1.0-6g 0.100R | .128            | .173             | .969  | .906  | 1.220  | .822      | .098      |
| DTS20x17-xxP/Sx | 17   | M25X1.0-6g 0.100R | .128            | .194             | 1.062 | .969  | 1.311  | .822      | .098      |
| DTS20x19-xxP/Sx | 19   | M28X1.0-6g 0.100R | .128            | .194             | 1.156 | 1.062 | 1.437  | .822      | .098      |
| DTS20x21-xxP/Sx | 21   | M31X1.0-6g 0.100R | .128            | .194             | 1.250 | 1.156 | 1.563  | .791      | .126      |
| DTS20x23-xxP/Sx | 23   | M34X1.0-6g 0.100R | .154            | .242             | 1.375 | 1.250 | 1.689  | .791      | .126      |
| DTS20x25-xxP/Sx | 25   | M37X1.0-6g 0.100R | .154            | .242             | 1.500 | 1.375 | 1.811  | .791      | .126      |

NOTES:

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: EHAB ALAWNEH 070410  
 CHK: JAMES FRIEDHOF 070523  
 APVD: ALEX RENGLEO 110511

**STE** TE Connectivity

NAME: DTS SQUARE FLANGE ENVELOPE

PRODUCT SPEC: -  
 APPLICATION SPEC: -  
 WEIGHT: -

MATERIAL: SEE NOTE 2  
 FINISH: SEE NOTE 2

SIZE: A2  
 CAGE CODE: -  
 DRAWING NO: C-DTS20xxx-xxP/Sx  
 RESTRICTED TO: -

SCALE: 2.500 SHEET 1 OF 1 REV C

# Mouser Electronics

Authorized Distributor

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## TE Connectivity:

[DTS20G25-19PA](#) [YDTS20F25-43SAV001](#) [YDTS20W15-35PAV001](#) [YDTS20W09-98PNV001](#) [YDTS20Y13-98PNV003](#) [YDTS20F15-19PNV003](#) [YDTS20F15-18PNV004](#) [YDTS20N09-35PBV001](#) [YDTS20F11-98SAV003](#) [YDTS20W17-06SNV001](#) [YDTS20F11-05SNV0A1](#) [YDTS20F25-04PNV004](#) [YDTS20F21-39SCV001](#) [YDTS20F25-29SAV003](#) [YDTS20F23-35PAV003](#) [YDTS20F13-35SNV001](#) [YDTS20Y09-35PNV003](#) [YDTS20W11-02PNV001](#) [YDTS20W19-35SAV001](#) [YDTS20W15-35PNV001](#) [YDTS20W11-98SNV001](#) [YDTS20N09-98PNV003](#) [YDTS20F25-04PNV003](#) [YDTS20F23-35SAV001](#) [YDTS20N15-18PNV0A1](#) [YDTS20F25-29PNV001](#) [YDTS20F25-43SNV001](#) [YDTS20Z25-19SNV001](#) [YDTS20F25-04SNV001](#) [YDTS20W25-35PNC001](#) [YDTS20F13-35SAV001](#) [YDTS20W17-26PAC001](#) [YDTS20F25-35SNV001](#) [YDTS20A09-98SAC162](#) [YDTS20A11-35PNC031](#) [YDTS20A23-21SNC031](#) [YDTS20N17-06PNV001](#) [YDTS20G19-35PNC071](#) [YDTS20Y25-04PAV003](#) [YDTS20Y25-04PAV001](#) [YDTS20W11-05SAV001](#) [YDTS20W11-35PAV001](#) [YDTS20W13-35PNV001](#) [YDTS20F25-61SNV003](#) [YDTS20F13-98SNV004](#) [YDTS20W21-41PNV001](#) [YDTS20W11-35SAV001](#) [YDTS20W25-24SAV001](#) [YDTS20W25-35PDC135](#) [YDTS20W11-98SNC001](#) [YDTS20W25-19PNV001](#) [YDTS20W09-35SAV001](#) [YDTS20W23-35PAV001](#) [YDTS20W25-35PD0000](#) [YDTS20Z25-04SNV001](#) [YDTS20F25-61SBV001](#) [YDTS20F25-29PN0000](#) [YDTS20Z15-97SNV001](#) [YDTS20W19-35PNV001](#) [YDTS20F17-26PNC001](#) [YDTS20F25-24PAV001](#) [YDTS20Z25-24SAV001](#) [YDTS20F15-18SAV001](#) [YDTS20F19-35SNV001](#) [YDTS20W21-41SNC001](#) [YDTS20F23-53SN0000](#) [YDTS20W15-18SNC001](#) [YDTS20W25-35PAV003](#) [YDTS20Z25-24SNV001](#) [YDTS20F25-04SBV001](#) [YDTS20A13-04SNC031](#) [YDTS20F25-61PBV004](#) [YDTS20W15-97PAV001](#) [YDTS20Z11-98SNV001](#) [YDTS20F17-99PNC001](#) [YDTS20W13-08PNV001](#) [YDTS20W15-19SNC001](#) [YDTS20F23-35SNV001](#) [YDTS20A11-35SNC162](#) [YDTS20F25-61SAV001](#) [YDTS20W15-19SAC001](#) [YDTS20W13-08PAV001](#) [YDTS20W21-41SBV001](#) [YDTS20W21-35PAV001](#) [YDTS20F13-98SNV003](#) [YDTS20F15-19PNV004](#) [YDTS20Z13-98SAV001](#) [YDTS20F21-11PNV001](#) [YDTS20W23-53SAV001](#) [YDTS20W21-11SAV001](#) [YDTS20W19-32SNV003](#) [YDTS20W09-35PNV001](#) [YDTS20F11-99SAV001](#) [YDTS20Z13-98SNV001](#) [YDTS20F25-61PNV003](#) [YDTS20W11-35PNC130](#) [YDTS20W13-98SNC001](#) [YDTS20Z17-26PNV001](#) [YDTS20F13-35SNV003](#) [YDTS20F25-35PNV001](#)