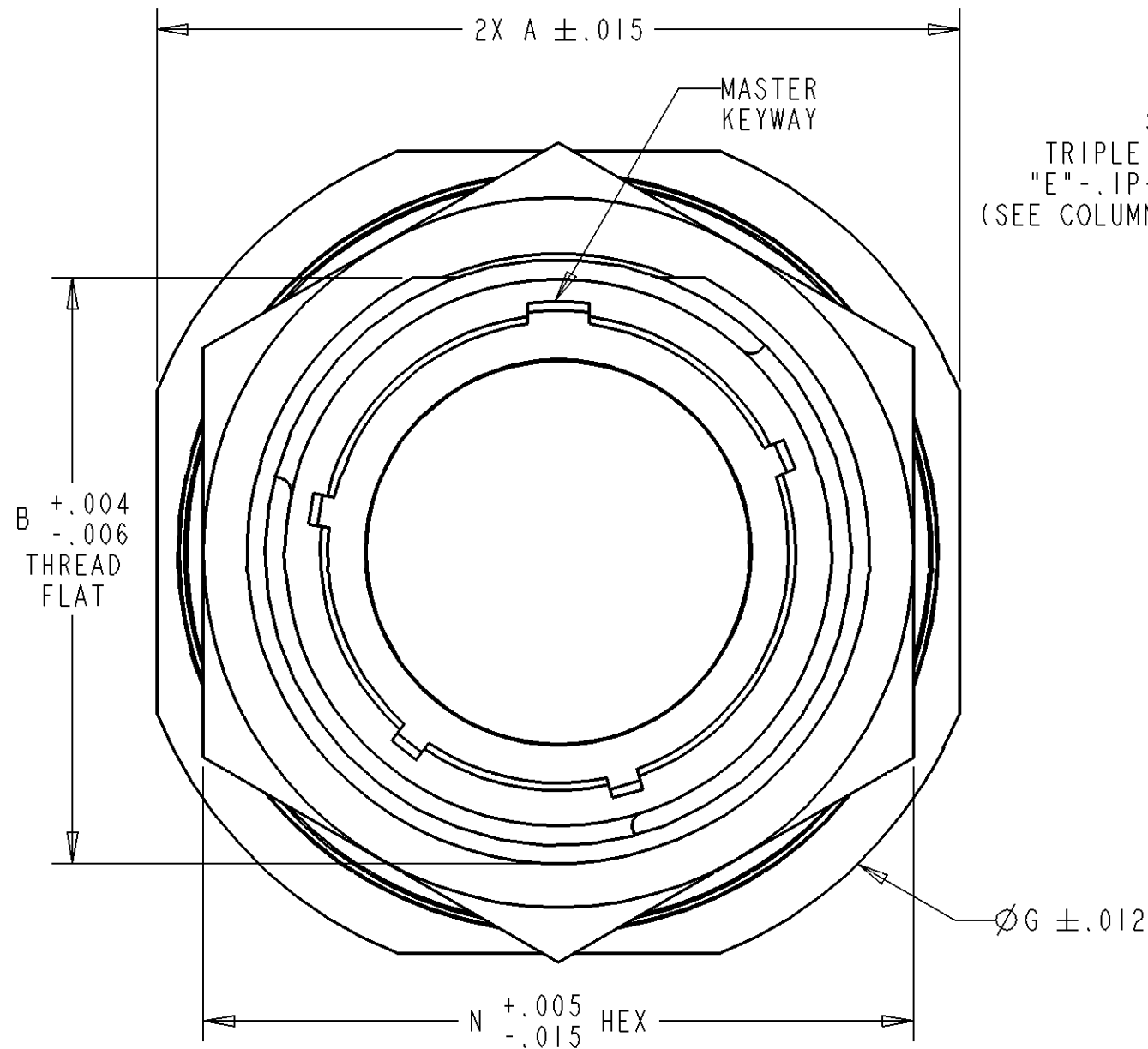


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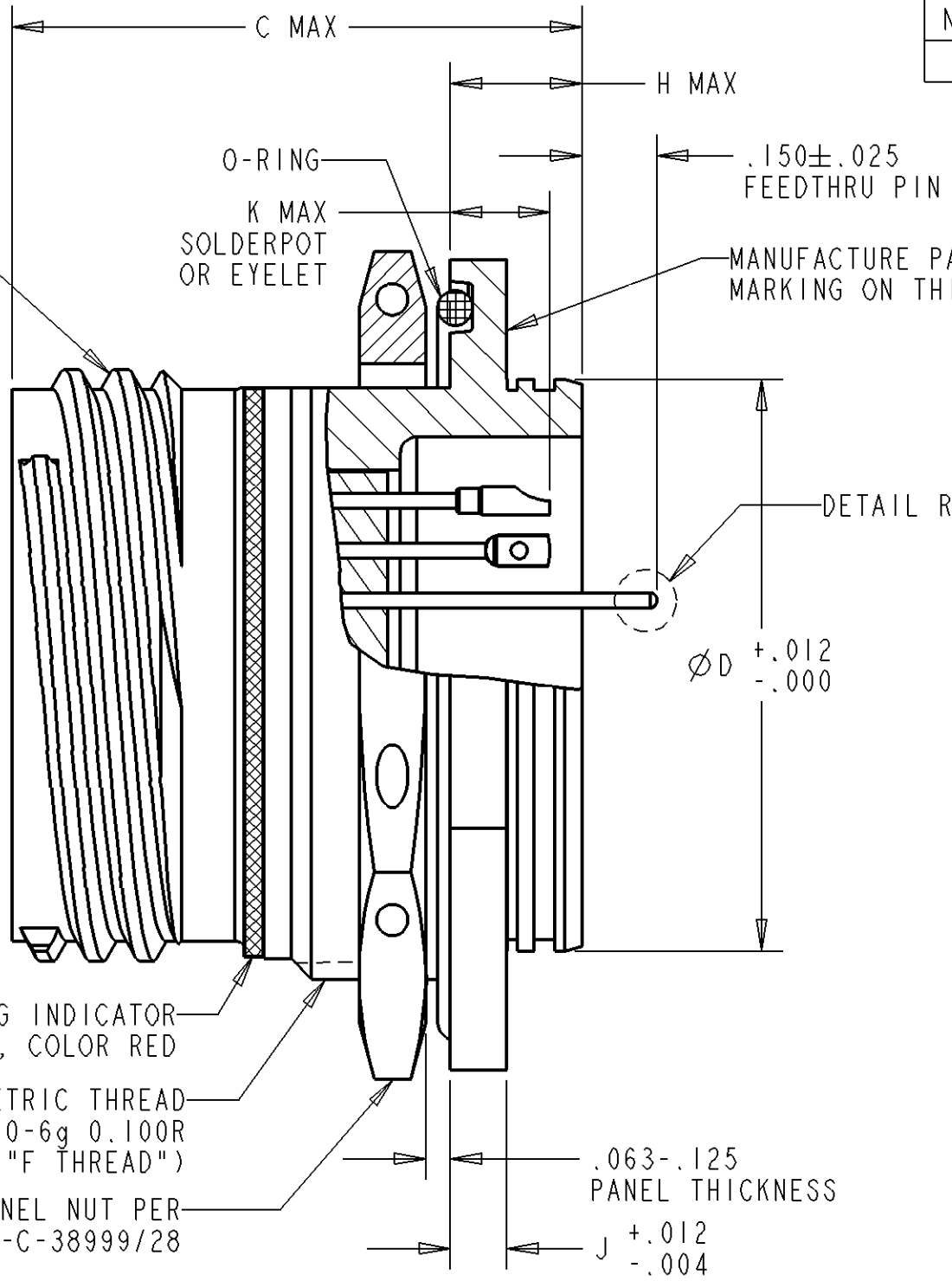


STUB 60° MOD.  
TRIPLE START THREAD  
"E"-.1P-.3L CLASS 2A  
(SEE COLUMN "E THREAD")

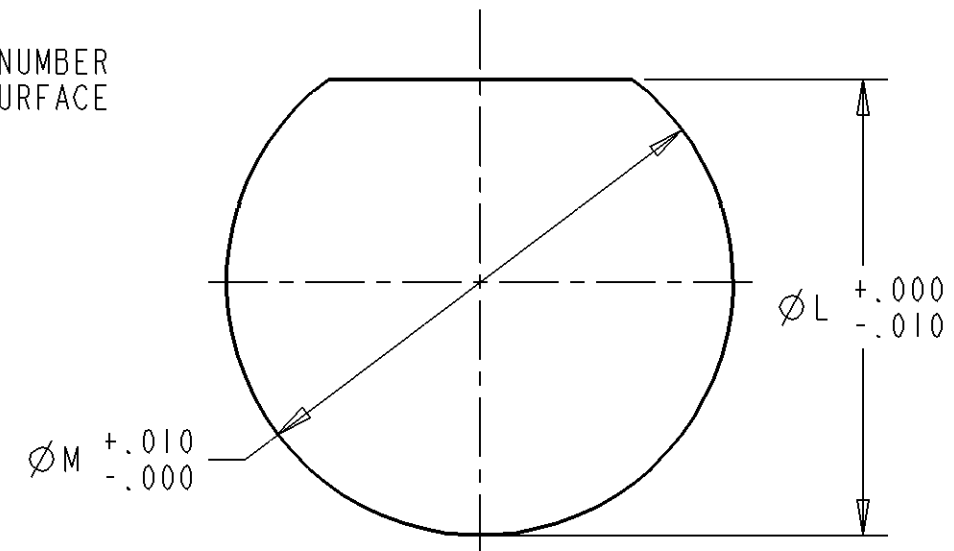
MATING INDICATOR  
STRIPE, COLOR RED

METRIC THREAD  
"F" x1.0-6g 0.100R  
(SEE COLUMN "F THREAD")

PANEL NUT PER  
DOD-C-38999/28



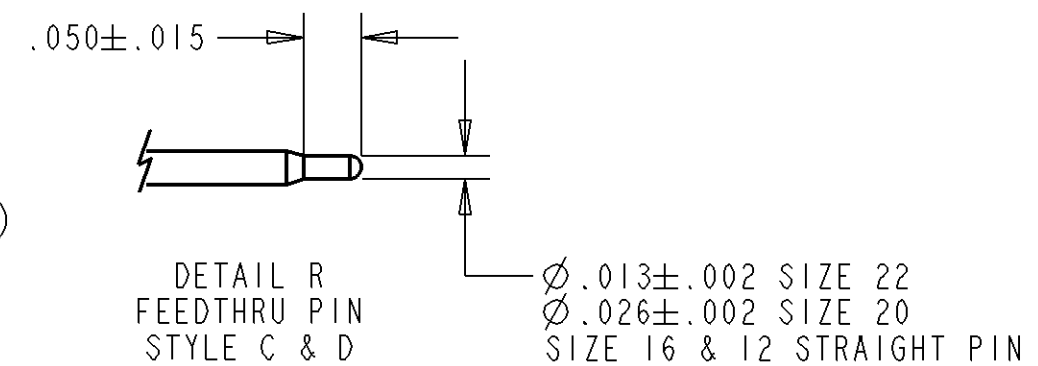
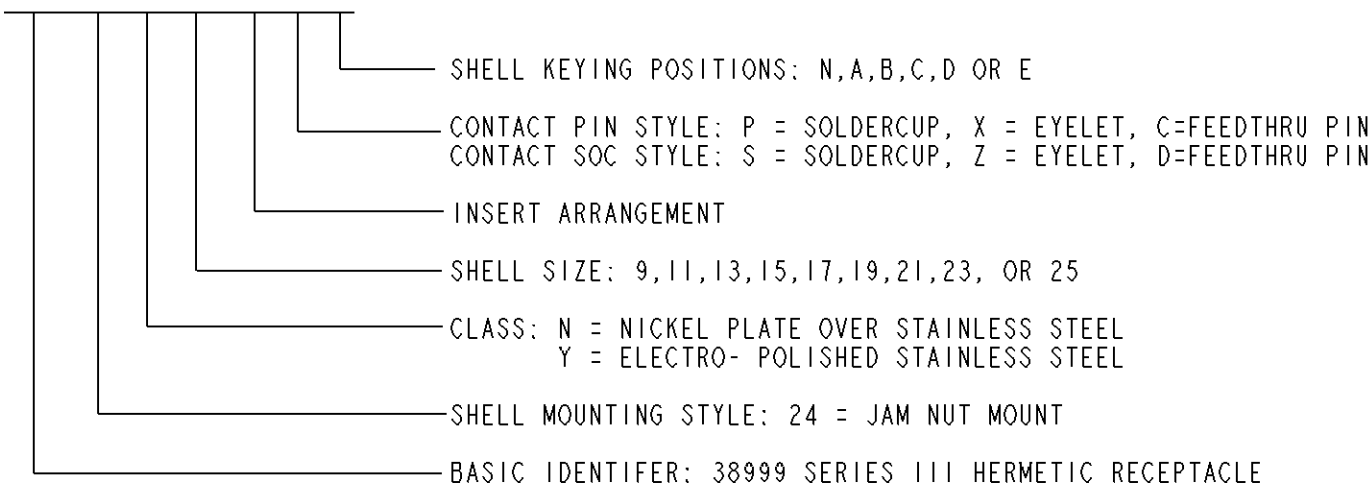
SECTION A-A



RECOMMENDED PANEL CUT OUT

| SHELL SIZE | L     | M     |
|------------|-------|-------|
| 9          | .670  | .700  |
| 11         | .771  | .825  |
| 13         | .955  | 1.010 |
| 15         | 1.085 | 1.135 |
| 17         | 1.210 | 1.260 |
| 19         | 1.335 | 1.385 |
| 21         | 1.460 | 1.510 |
| 23         | 1.585 | 1.635 |
| 25         | 1.710 | 1.760 |

PART NUMBER BREAKDOWN: DTS 24 Y 17-35 P N



- DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
  - INSERT ARRANGEMENT CONFORMS TO MIL-STD-1560.
  - LEAK RATE THROUGH GLASS INSERT: <1E-8 cc/sec He @ 1 atm.
  - FINISH: SHELL - ELECTRO-POLISH  
PIN CONTACTS - GOLD OVER NICKEL
  - MATERIAL: SHELL & JAM NUT - STAINLESS STEEL  
PIN CONTACTS - HIGH NICKEL IRON ALLOY OR EQUIVALENT  
GLASS - COMPRESSION GLASS  
INTERFACIAL SEAL & O-RING- FLUOROSILICONE ELASTOMER
  - MATES WITH DTS26 SERIES PLUG CONNECTOR.
  - CONNECTOR MEETS REQUIREMENTS OF MIL-DTL-38999 SERIES III.
  - CONSULT CUSTOMER SERVICE FOR ARRANGEMENT AVAILABILITY.
- NOTE(S):

| SHELL<br>SIZE | A     | B     | C     | D     | E<br>THREAD | F<br>THREAD | G     | H    | J    | K<br>PIN SOC | N    |       |
|---------------|-------|-------|-------|-------|-------------|-------------|-------|------|------|--------------|------|-------|
| 9             | 1.063 | .651  | 1.150 | .642  | .6250       | M17         | 1.189 | .358 | .102 | .209         | .232 | .875  |
| 11            | 1.252 | .751  | 1.150 | .764  | .7500       | M20         | 1.374 | .358 | .102 | .209         | .232 | 1.000 |
| 13            | 1.374 | .938  | 1.150 | .894  | .8750       | M25         | 1.500 | .358 | .102 | .201         | .224 | 1.188 |
| 15            | 1.500 | 1.062 | 1.150 | 1.020 | 1.0000      | M28         | 1.626 | .358 | .102 | .201         | .224 | 1.375 |
| 17            | 1.626 | 1.187 | 1.150 | 1.142 | 1.1875      | M32         | 1.752 | .358 | .102 | .201         | .224 | 1.437 |
| 19            | 1.811 | 1.312 | 1.185 | 1.268 | 1.2500      | M35         | 1.937 | .382 | .134 | .201         | .224 | 1.563 |
| 21            | 1.937 | 1.437 | 1.185 | 1.394 | 1.3750      | M38         | 2.063 | .382 | .134 | .201         | .224 | 1.750 |
| 23            | 2.063 | 1.562 | 1.185 | 1.520 | 1.5000      | M41         | 2.189 | .382 | .134 | .201         | .224 | 1.875 |
| 25            | 2.189 | 1.687 | 1.185 | 1.642 | 1.6250      | M44         | 2.311 | .382 | .134 | .201         | .224 | 2.000 |

\$ SIZE 17, MODIFIED MAJOR Ø 31.95-31.80 mm FILE:DTS24XXX-XXPX-ENV-SNAP

|                  |                   |                                                                  |  |                                                                                                   |                                  |
|------------------|-------------------|------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------|----------------------------------|
| SIGNATURE & DATE |                   | CONNECTOR, RECEPTACLE                                            |  | NBO                                                                                               | MATL CODE 72                     |
| DR               | S.LUI 4/8/09      | HERMETIC<br>JAM-NUT MOUNT<br>THREAD COUPLING<br>MIL-DTL-38999/23 |  | <b>DEUTSCH</b><br>ENGINEERED INTERCONNECT SOLUTIONS<br>250 Eddie Jones Way<br>Oceanside, CA 92058 |                                  |
| CHK              | M.ALLEN 4/14/09   |                                                                  |  |                                                                                                   |                                  |
| PE               |                   |                                                                  |  |                                                                                                   |                                  |
| APPD             | A.RENGIFO 4/16/09 | ENVELOPE                                                         |  | C<br>DWG SIZE                                                                                     | DTS24***-****<br>CAGE CODE 11139 |
| SCALE:           |                   |                                                                  |  |                                                                                                   |                                  |

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