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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER ECO-19-013635	05SEP2019	JM	EO

2X A±.012

⊕

.010

Z

2X B

2X C

MASTER KEYWAY

4X D±.008

⊕

.005

M

Z

4X E±.008

⊕

.005

M

Z

ØG±.003

-

Z

-

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

.943 MAX

.095^{+.007}_{-.020}

.150±.025
PCB PIN

DETAIL R

.382 MAX PIN
.406 MAX SOC
SOLDERPOT
OR EYELET

EXAMPLE
MANUFACTURE PART
NUMBER MARKING

DTS20Y17-35PN

MATING INDICATOR
STRIPE, COLOR RED

1. DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED

2. INSERT ARRANGEMENT CONFORMS TO MIL-STD-1560

3. LEAK RATE: <IE-8 cc/sec He @ 1 atm

4. FINISH: SHELL - STAINLESS STEEL
PIN CONTACTS - HIGH NICKEL IRON ALLOY OR EQUIVALENT
GLASS - COMPRESSION GLASS
PIN INSERT & INTERNAL SEAL - FLUOROSILICONE ELASTOMER

5. MATERIAL: SHELL - STAINLESS STEEL
PIN CONTACTS - HIGH NICKEL IRON ALLOY OR EQUIVALENT
GLASS - COMPRESSION GLASS
PIN INSERT & INTERNAL SEAL - FLUOROSILICONE ELASTOMER

6. MATES WITH DTS26 SERIES PLIUG CONNECTOR

7. CONNECTOR MEETS REQUIREMENT OF MIL-STL-38999 SERIES III

8. CONSULT CUSTOMER SERVICE FOR ARRANGEMENT AVAILABILITY

9. MOUNYING INFORMATION: DIMENSION "B" FRONT OR REAR PANEL MOUNT
DIMENSION "C" FRONT PANEL MOUNT ONLY

PART NUMBER BREAKDOWN: DTS 20 Y 17-35 P N

SHELL KEYING POSITIONS: N, A, B, C, D OR E

CONTACT PIN STYLE: P = SOLDERCUP, X = EYELET, C = PCB PIN
CONTACT SOC STYLE: S = SOLDERCUP, Z = EYELET, D = PCB PIN

INSERT ARRANGEMENT

SHELL SIZE: 9, 11, 13, 15, 17, 19, 21, 23, OR 25

CLASS: N = NICKEL PLATE OVER STAINLESS STEEL
Y = ELECTRO-POLISHED STAINLESS STEEL
H = SAME AS CLASS "Y" BUT SPACE GRADE

SHELL MOUNTING STYLE: 20 = BOX FLANGE MOUNT

BASIC IDENTIFIER: 38999 SERIES III HERMETIC RECEPTACLE

SHELL SIZE	A	B	C	D	E	F THREAD	G
9	.937	.719	.594	.128	.216	.6250	.444
11	1.032	.812	.719	.128	.194	.7500	.572
13	1.126	.906	.812	.128	.194	.8750	.684
15	1.221	.969	.906	.128	.173	1.0000	.808
17	1.311	1.062	.969	.128	.194	1.1875	.934
19	1.437	1.156	1.062	.128	.194	1.2500	1.039
21	1.563	1.250	1.156	.128	.194	1.3750	1.164
23	1.689	1.375	1.250	.154	.242	1.5000	1.289
25	1.811	1.500	1.375	.154	.242	1.6250	1.414

DETAIL R
SCALE 12:1
FEEDTHRU PIN
STYLE C & D

.050±.015

Ø.013±.002 SIZE 22
Ø.026±.002 SIZE 20
SIZE 16 & 12 STRAIGHT PIN

MC: 72

FINISH:

DESCRIPTION:
CONNECTOR, RECEPTACLE

HERMETIC
SQUARE FLANGE MOUNT
THREAD COUPLING
MIL-DTL-38999/21

ENVELOPE

CP

CAGE CODE 11139

PART TO HAVE NO BURRS
OR SHARP EDGES

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
in

MATERIAL
SEE NOTE 5

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-.
1 PLC ±.1
2 PLC ±.02
3 PLC ±.005
4 PLC ±.0005
ANGLES ±.5°
FINISH

SEE NOTE 4

DWN 05SEP2019
JUAN MONTEMAYOR
CHK 05SEP2019
ENRIQUE OCHOA
APVD 05SEP2019
ENRIQUE OCHOA

PRODUCT SPEC
-
APPLICATION SPEC
-
WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

NAME
CONNECTOR, RECEPTACLE

SIZE
A2

CAGE CODE
11139

DRAWING NO
C-DTS20xxx-xxxxx

RESTRICTED TO
-

SCALE
6:1

SHEET
1

OF
1

REV
B

1471-9 (3/13)