

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

20

© COPYRIGHT 20

BY -

ALL RIGHTS RESERVED.

T.E. PROPRIETARY AND CONFIDENTIAL

This drawing contains proprietary information that shall not be disclosed, duplicated nor used in whole or in part for any purpose other than to evaluate this drawing.

LOC

DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	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

S TYP.

R1 TYP.

R2 TYP.

MASTER KEYWAY

W° REF.

X° REF.

Y° REF.

Z° REF.

4X P

4X PP

1471-9 (3/11)

.085 MAX.

INSERT PROTRUSION

1.240 MAX.

V

W

D THREAD

RED FULLY MATED INDICATOR BAND REF.

BLUE BAND REF.

EXAMPLE OF PART NUMBER

DTS 20 x xx - xx P/S x-xxxx

MODIFICATION

KEYING POSITION

CONTACT STYLE

INSERT ARRANGEMENT

SHELL SIZE

CLASS F = NICKEL

G = NICKEL SPACE GRADE

T = TEFLON NICKEL

W = OLIVE DRAB CADMIUM

Z = ZINC NICKEL

SHELL STYLE

CONNECTOR SERIES

N = NORMAL, A, B, C, D & E

H = 1500 CYCLES - PIN

J = 1500 CYCLES - SOCKET

20 = SQUARE FLANGE RECEPTACLE

DEUTSCH MIL-DTL-38999 SERIES III

5. FOR AVAILABILITY CONSULT FACTORY. (C1)

4. FOR APPLICABLE KEYING DIAGRAM AND PANEL CUTOUT DIMENSIONS, SEE MIL-DTL-38999. FOR AVAILABLE INSERT ARRANGEMENTS, SEE MIL-STD-1560.

3. GENERAL SPECIFICATIONS: THIS CONNECTOR MEETS THE PERFORMANCE AND INTERMATEABILITY REQUIREMENTS OF MIL-DTL-38999, SERIES III.

2. MATERIAL / FINISH: SHELL - ALUMINUM ALLOY / PLATING PER EXAMPLE PART NUMBER DESCRIPTION.
RESILIENT INSERTS - SILICONE ELASTOMER
PLASTIC INSERTS - THERMOPLASTIC.
CONTACTS - COPPER ALLOY / GOLD PLATED.

1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
THREAD CALLOUTS ARE METRIC.

NOTES:

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
	E	91	131	197	240
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
	E	51	141	184	242
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 -.002	PP+.004 -.002	R1	R2	S±.011	V MAX.	W 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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN E HAB ALAWNEH 070410

CHK JAMES FRIEDHOF 070523

APVD ALEX RENGIFO 110511

DIMENSIONS: INCH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-

1 PLC ±0.1

2 PLC ±0.01

3 PLC ±0.001

4 PLC ±0.0001

ANGLES ±

FINISH

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME DTS SQUARE FLANGE ENVELOPE

SIZE A2

CAGE CODE

DRAWING NO

RESTRICTED TO

SCALE 2.500

SHEET 1 OF 1

REV C

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[YDTS20F13-08SBC001](#)