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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

.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

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

CONTACT STYLE

P = PIN

A = LESS PIN

H = 1500 CYCLES - PIN

INSERT ARRANGEMENT

SHELL SIZE

CLASS F = NICKEL

G = NICKEL SPACE GRADE

T = TEFLON NICKEL

W = OLIVE DRAB CADMIUM

Z = ZINC NICKEL

SHELL STYLE

20 = SQUARE FLANGE RECEPTACLE

CONNECTOR SERIES

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

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

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

SEE NOTE 2

SEE NOTE 2

SCALE 2.500

SHEET 1 OF 1

REV C

TE Connectivity

DTS SQUARE FLANGE ENVELOPE

SIZE A2

CAGE CODE

DRAWING NO

RESTRICTED TO

©DTS20xxx-xxP/Sx

1471-9 (3/11)

Mouser Electronics

Authorized Distributor

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

TE Connectivity:

[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](#) [YDTS20W19-35SNV001](#)