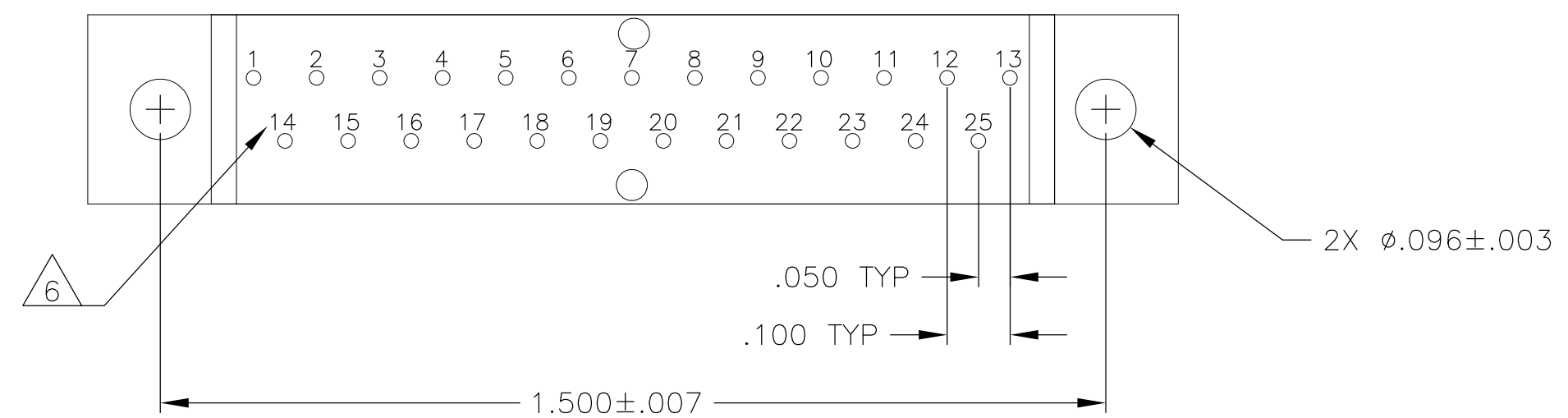
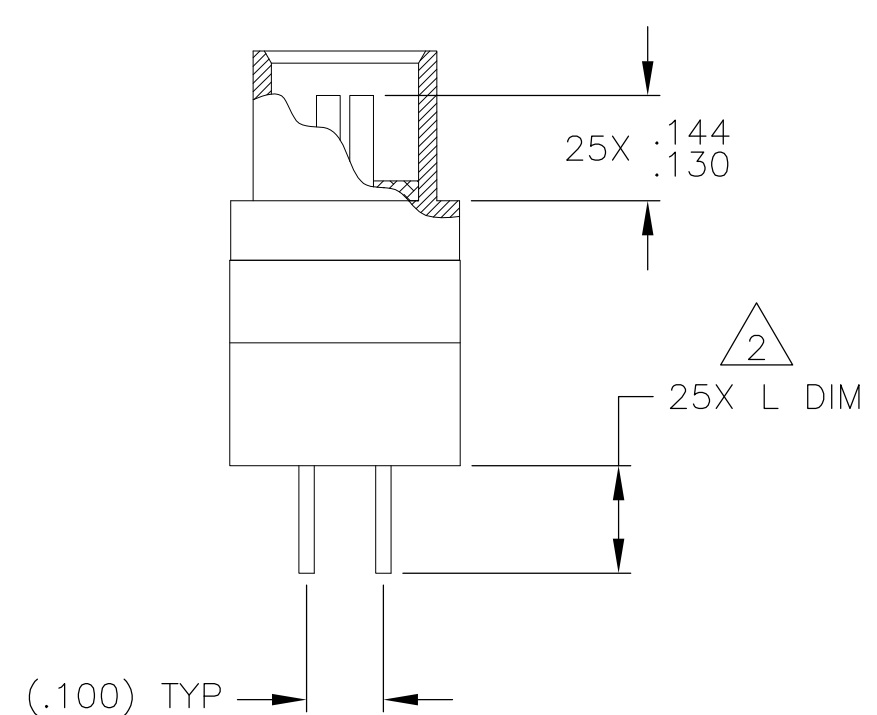
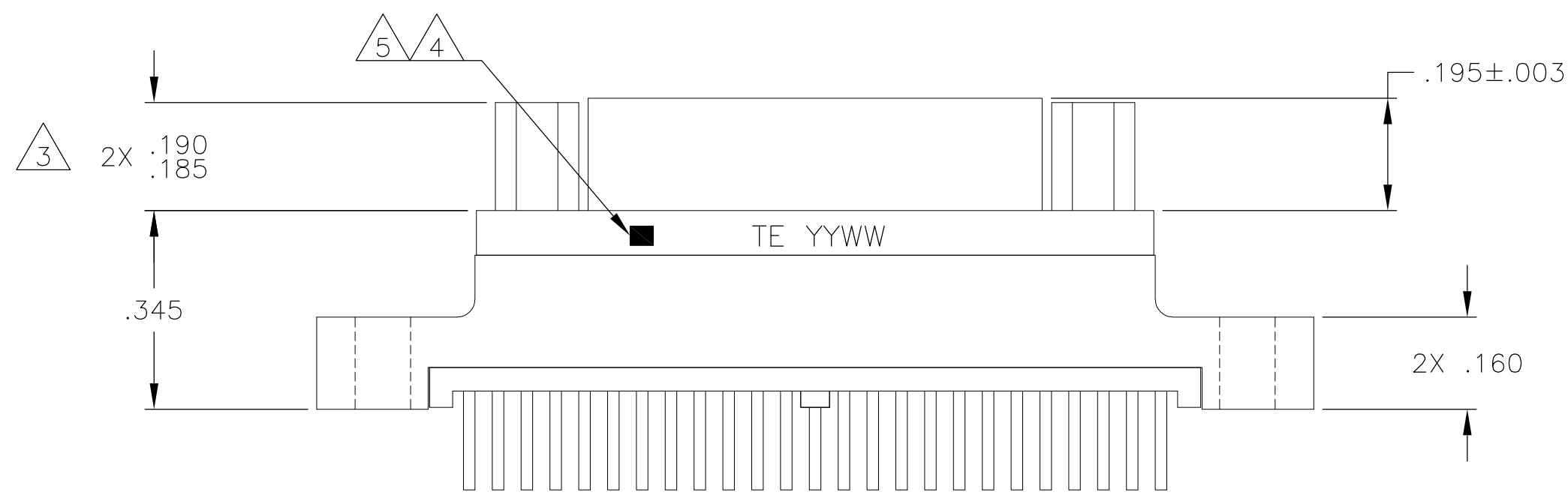
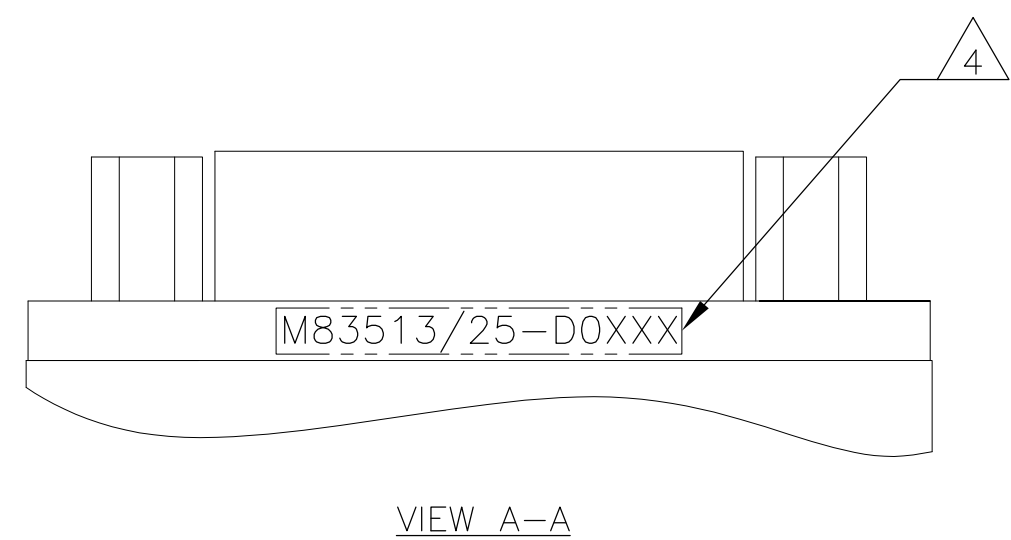
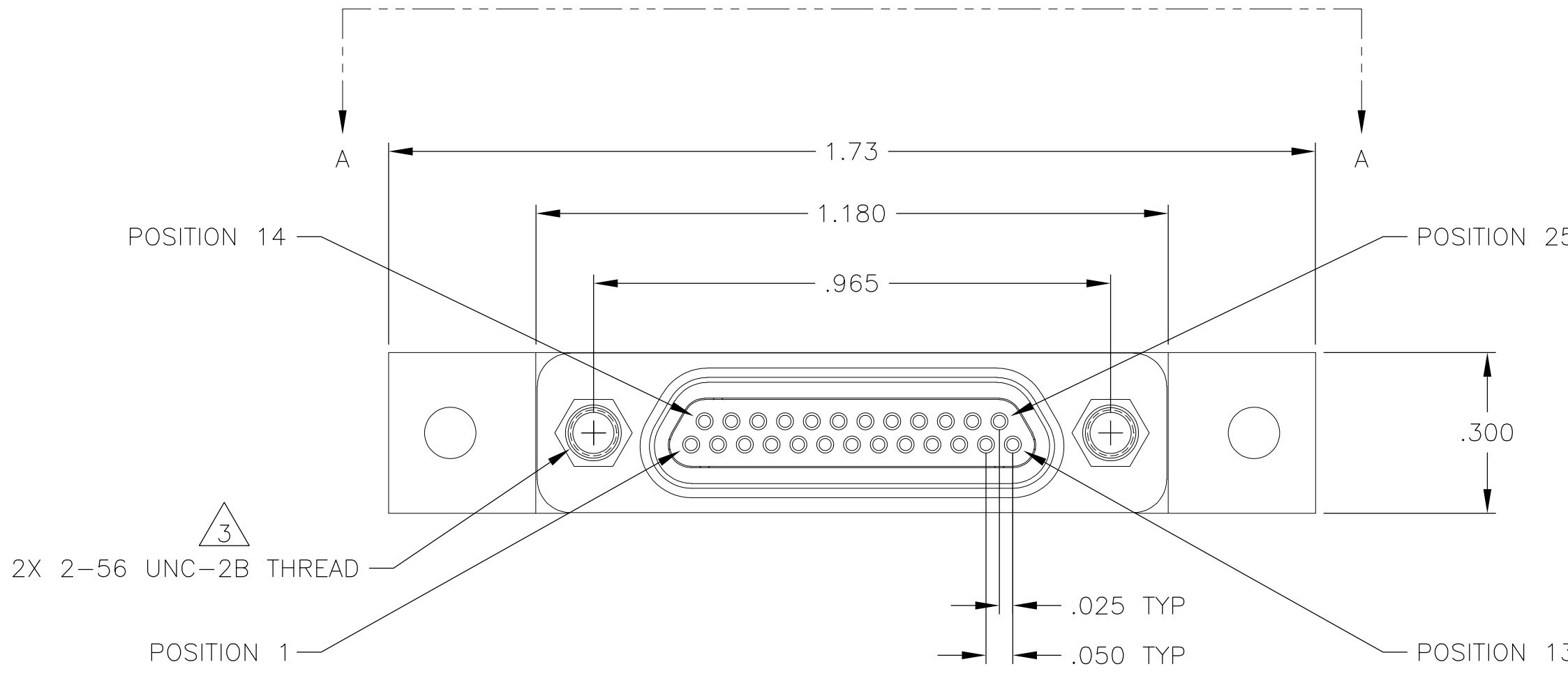




JACKPOSTS OMITTED
FOR CLARITY

SEE SHEET 2 FOR NOTES

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C SCHOLL 2 JUL 12	TE Connectivity			
DIMENSIONS: INCHES		CHK —			APVD M STORRY 2 JUL 12	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RECEPTACLE ASSEMBLY, MCKS, ST1 STRAIGHT TERMINATION, PCB MOUNT, 2 ROW, SIZE 25, PER MIL-DTL-83513/25				
0 PLC ± - 1 PLC ± - 2 PLC ± .010 3 PLC ± .005 4 PLC ± - ANGLES ± 1°		PRODUCT SPEC — APPLICATION SPEC —				
MATERIAL SEE NOTES	FINISH SEE NOTES	WEIGHT —	SIZE A2	CAGE CODE 98278	DRAWING NO C=1532277	RESTRICTED TO —
CUSTOMER DRAWING				SCALE 4:1	SHEET 1 of 2	REV A

4

3

2

1

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RELEASED FOR PUBLICATION

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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

-

SEE SHEET 1

-

-

-

TE PART NUMBER	MIL-DTL-83513 PIN	MCKS DESCRIPTION	SHELL FINISH 	HARDWARE 	L DIM±.015
1532277-1	M83513/25-D01CN	MCKS-C2-B-25SST1	CADMIUM	NONE	.109
1532277-2	M83513/25-D01CP	MCKS-C2-P-25SST1	CADMIUM	JACKPOSTS	.109
1532277-3	M83513/25-D01NN	MCKS-N1-B-25SST1	NICKEL	NONE	.109
1532277-4	M83513/25-D01NP	MCKS-N1-P-25SST1	NICKEL	JACKPOSTS	.109
1532277-5	M83513/25-D02CN	MCKS-C2-B-25SST1A	CADMIUM	NONE	.140
1532277-6	M83513/25-D02CP	MCKS-C2-P-25SST1A	CADMIUM	JACKPOSTS	.140
1532277-7	M83513/25-D02NN	MCKS-N1-B-25SST1A	NICKEL	NONE	.140
1532277-8	M83513/25-D02NP	MCKS-N1-P-25SST1A	NICKEL	JACKPOSTS	.140
1532277-9	M83513/25-D03CN	MCKS-C2-B-25SST1B	CADMIUM	NONE	.172
1-1532277-0	M83513/25-D03CP	MCKS-C2-P-25SST1B	CADMIUM	JACKPOSTS	.172
1-1532277-1	M83513/25-D03NN	MCKS-N1-B-25SST1B	NICKEL	NONE	.172
1-1532277-2	M83513/25-D03NP	MCKS-N1-P-25SST1B	NICKEL	JACKPOSTS	.172



SHELL MATERIAL: 6061-T6 ALUMINUM
FINISH OPTIONS:
ELECTROLESS NICKEL PLATED PER SAE-AMS-C-26074 OR SAE AMS 2404 OR CADMIUM PLATED PER SAE-AMS-QQ-P-416 WITH YELLOW CHROMATE
INSULATOR: LIQUID CRYSTAL POLYMER (LCP)
HARDWARE: 300 SERIES STAINLESS STEEL
TB BOX: POLYPHENYLENE SULFIDE (PPS) AND EPOXY POTTING



TERMINATION: 24AWG GOLD PLATED COPPER WIRE, Sn63Pb37 SOLDER DIPPED UP TO MOUNTING SURFACE AT A MINIMUM



JACKPOST HARDWARE SHALL BE PERMANENTLY INSTALLED AS SHOWN WHEN REQUIRED BY THE MIL PIN. JACKPOST DIMENSIONS AND REQUIREMENTS ARE DEFINED IN MIL-DTL-83513/5.



CONNECTOR SHALL BE MARKED IN ACCORDANCE WITH METHOD I OF MIL-STD-1285. MARKING SHALL CONTAIN THE MILITARY PIN, CAGE CODE (OR TE), AND DATE CODE. EXAMPLE: M83513/25-D0XXX TE YYWW (WHERE XXX IS PART OF THE PIN SHOWN IN THE "MIL-DTL-83513 PIN" COLUMN OF THE PART NUMBER TABLE, AND YYWW IS THE DATE CODE). FOR THE SIZE 25 RECEPTACLE, THE MARKING MUST BE PRINTED ON BOTH SIDES OF THE FLANGE. TEXT HEIGHT SHALL BE .035 INCH MINIMUM.



POSITION 1 SHALL BE INDICATED BY AN IDENTIFIABLE MARK, LOCATED APPROXIMATELY AS SHOWN ON THE POSITION 1 SIDE OF THE CONNECTOR FLANGE. THIS MARK SHALL BE INCLUDED AS PART OF THE PART MARKING INFORMATION.



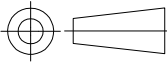
7

TERMINAL IDENTIFICATION NUMBERS AS SHOWN DO NOT ACTUALLY APPEAR ON THE PART (FOR IDENTIFICATION ONLY)

ALL REQUIREMENTS CONFORM TO MIL-DTL-83513/25. SEE MIL-SPEC FOR DETAILED INTERFACE DIMENSIONS AND SUGGESTED PCB LAYOUTS

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES



MATERIAL

SEE NOTES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± .010

3 PLC ± .005

4 PLC ± -

ANGLES ± 1°

FINISH

SEE NOTES

DWN
C SCHOLL
CHK
-
APVD
M STORRY
PRODUCT SPEC
APPLICATION SPEC
WEIGHT
-
CUSTOMER DRAWING

2 JUL 12
-
2 JUL 12
-
-
-
-
-

TE Connectivity

NAME

RECEPTACLE ASSEMBLY, MCKS, ST1 STRAIGHT
TERMINATION, PCB MOUNT, 2 ROW,
SIZE 25, PER MIL-DTL-83513/25

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

98278

1532277

-

SCALE

4:1

SHEET

2 of 2

REV

A

1471-9 (3/11)

1532277

Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[M83513/25-D01NP](#) [M83513/25-D03NP](#) [M83513/25-D02CP](#) [M83513/25-D01CP](#) [M83513/25-D01CN](#)