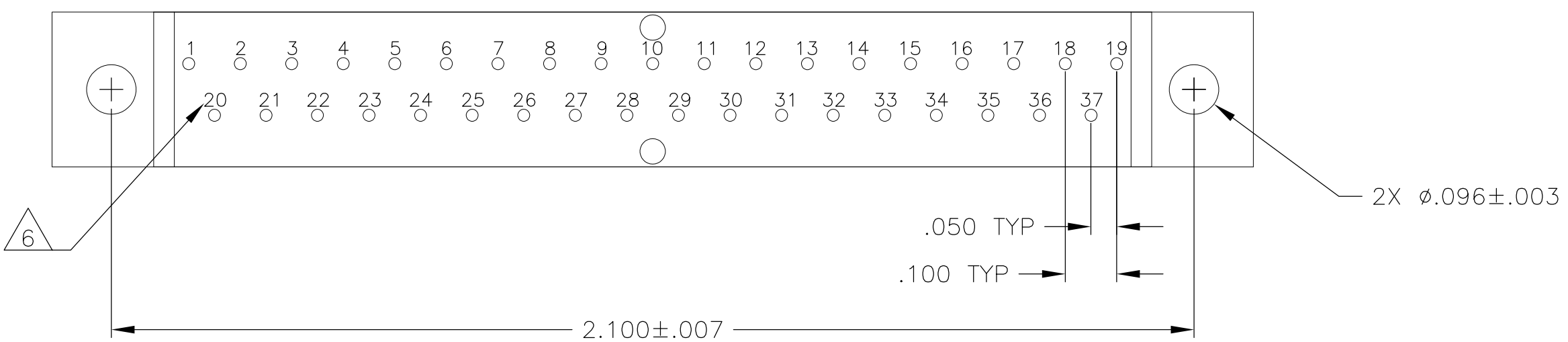
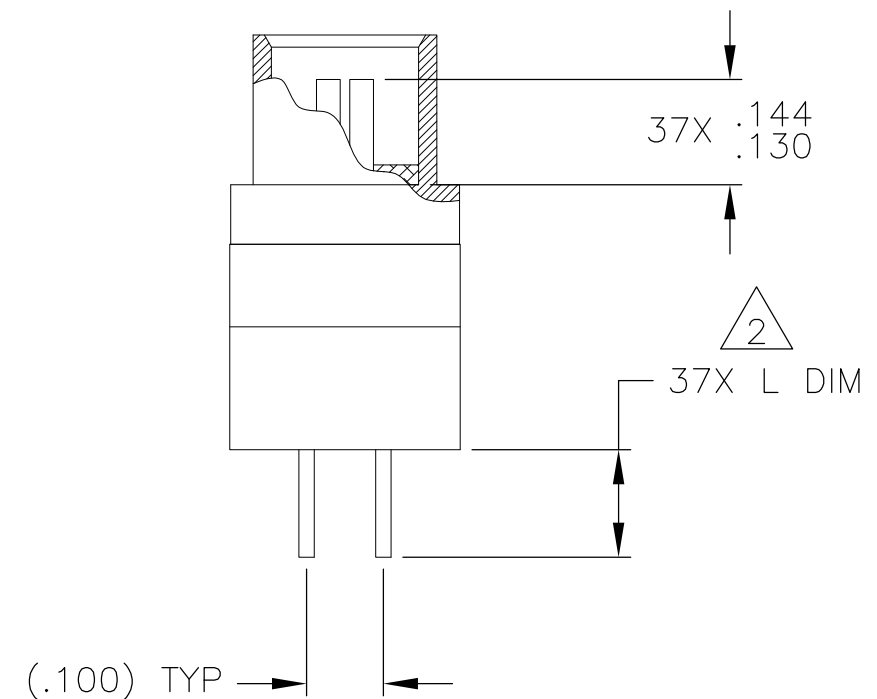
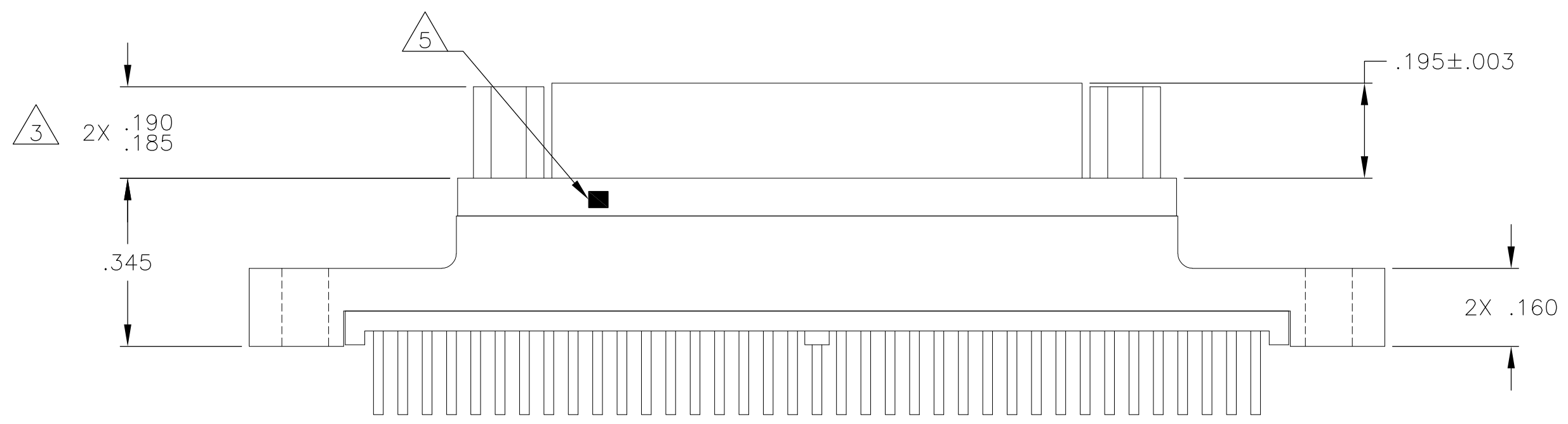
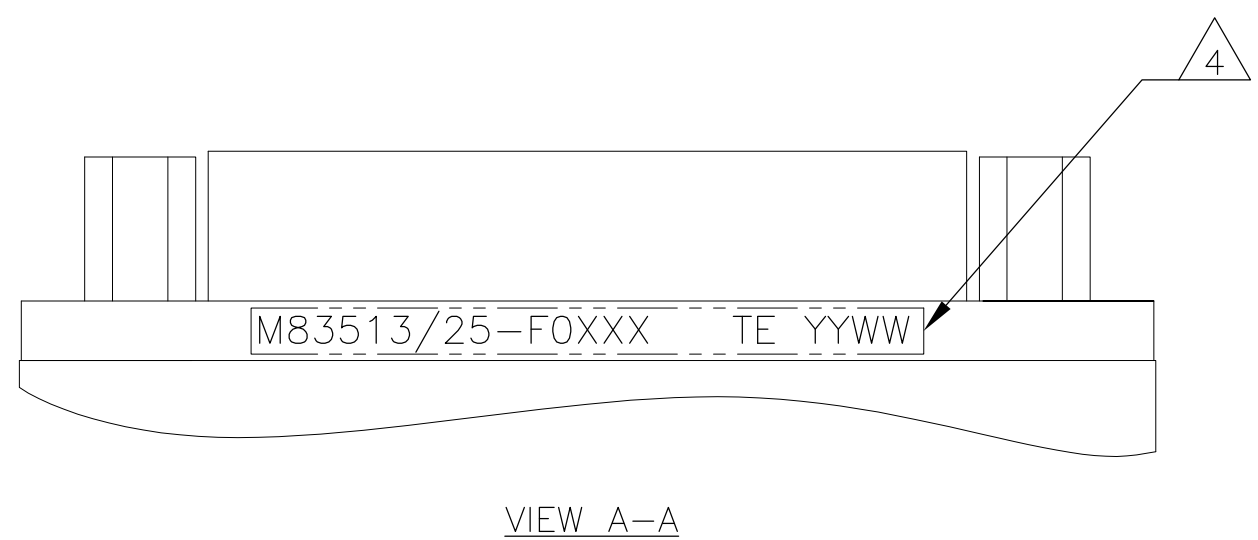
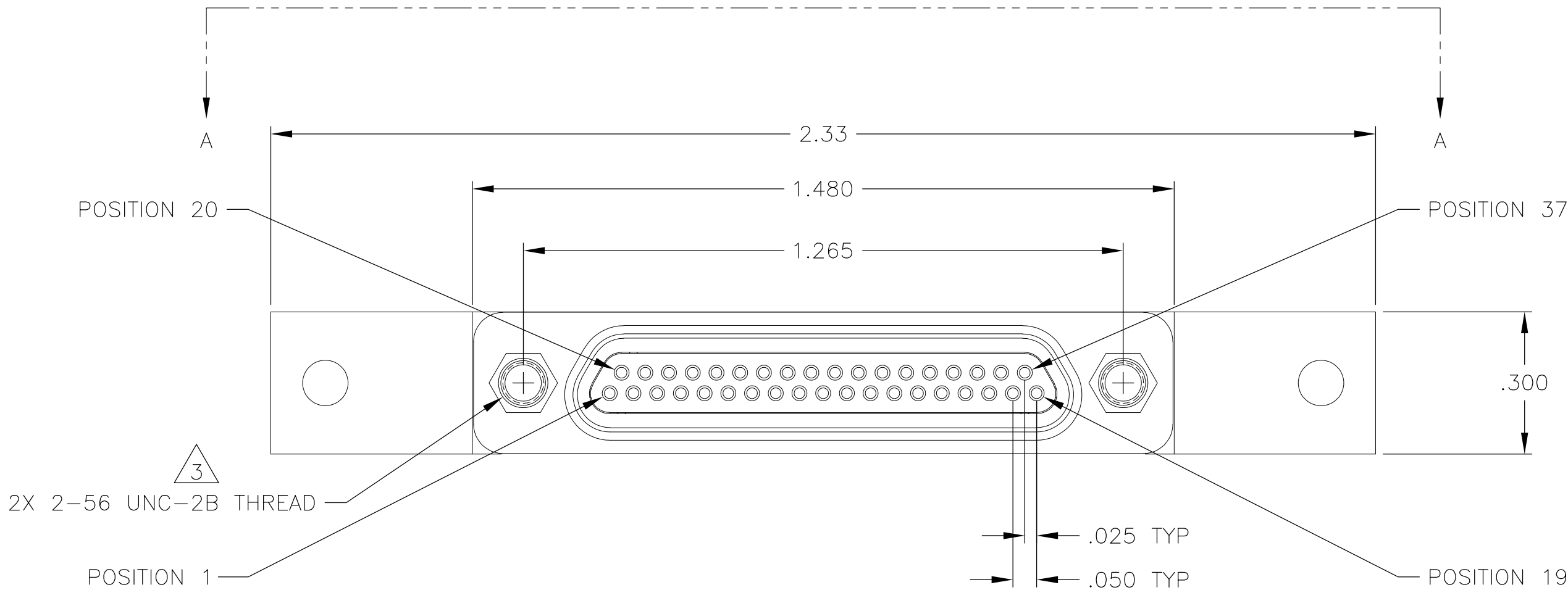


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—		A	INITIAL RELEASE	2 JUL 12	CAS	MKS



JACKPOSTS OMITTED
FOR CLARITY

SEE SHEET 2 FOR NOTES

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

SCALE
4:1

TE Connectivity

NAME
RECEPTACLE ASSEMBLY, MCKS, ST1 STRAIGHT
TERMINATION, PCB MOUNT, 2 ROW,
SIZE 37, PER MIL-DTL-83513/25

SIZE
A2

CAGE CODE
98278

DRAWING NO
C=1532279

RESTRICTED TO
-

SHEET
1 of 2

REV
A

1471-9 (3/11)

4

3

2

1

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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
1532279-1	M83513/25-F01CN	MCKS-C2-B-37SST1	CADMIUM	NONE	.109
1532279-2	M83513/25-F01CP	MCKS-C2-P-37SST1	CADMIUM	JACKPOSTS	.109
1532279-3	M83513/25-F01NN	MCKS-N1-B-37SST1	NICKEL	NONE	.109
1532279-4	M83513/25-F01NP	MCKS-N1-P-37SST1	NICKEL	JACKPOSTS	.109
1532279-5	M83513/25-F02CN	MCKS-C2-B-37SST1A	CADMIUM	NONE	.140
1532279-6	M83513/25-F02CP	MCKS-C2-P-37SST1A	CADMIUM	JACKPOSTS	.140
1532279-7	M83513/25-F02NN	MCKS-N1-B-37SST1A	NICKEL	NONE	.140
1532279-8	M83513/25-F02NP	MCKS-N1-P-37SST1A	NICKEL	JACKPOSTS	.140
1532279-9	M83513/25-F03CN	MCKS-C2-B-37SST1B	CADMIUM	NONE	.172
1-1532279-0	M83513/25-F03CP	MCKS-C2-P-37SST1B	CADMIUM	JACKPOSTS	.172
1-1532279-1	M83513/25-F03NN	MCKS-N1-B-37SST1B	NICKEL	NONE	.172
1-1532279-2	M83513/25-F03NP	MCKS-N1-P-37SST1B	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-FOXXX 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). THE MARKING MUST BE PRINTED ON 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.



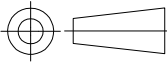
7

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

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DIMENSIONS:
INCHES



MATERIAL

SEE NOTES

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0 PLC ± -

1 PLC ± -

2 PLC ± .010

3 PLC ± .005

4 PLC ± -

ANGLES ± 1°

FINISH

SEE NOTES

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APPLICATION SPEC
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2 JUL 12
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DRAWING NO
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RESTRICTED TO
-

SCALE
4:1

SHEET
2 of 2

REV
A

1532279

B

A

1471-9

(3/11)

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[M83513/25-F03CN](#) [M83513/25-F02CP](#) [M83513/25-F01CP](#)