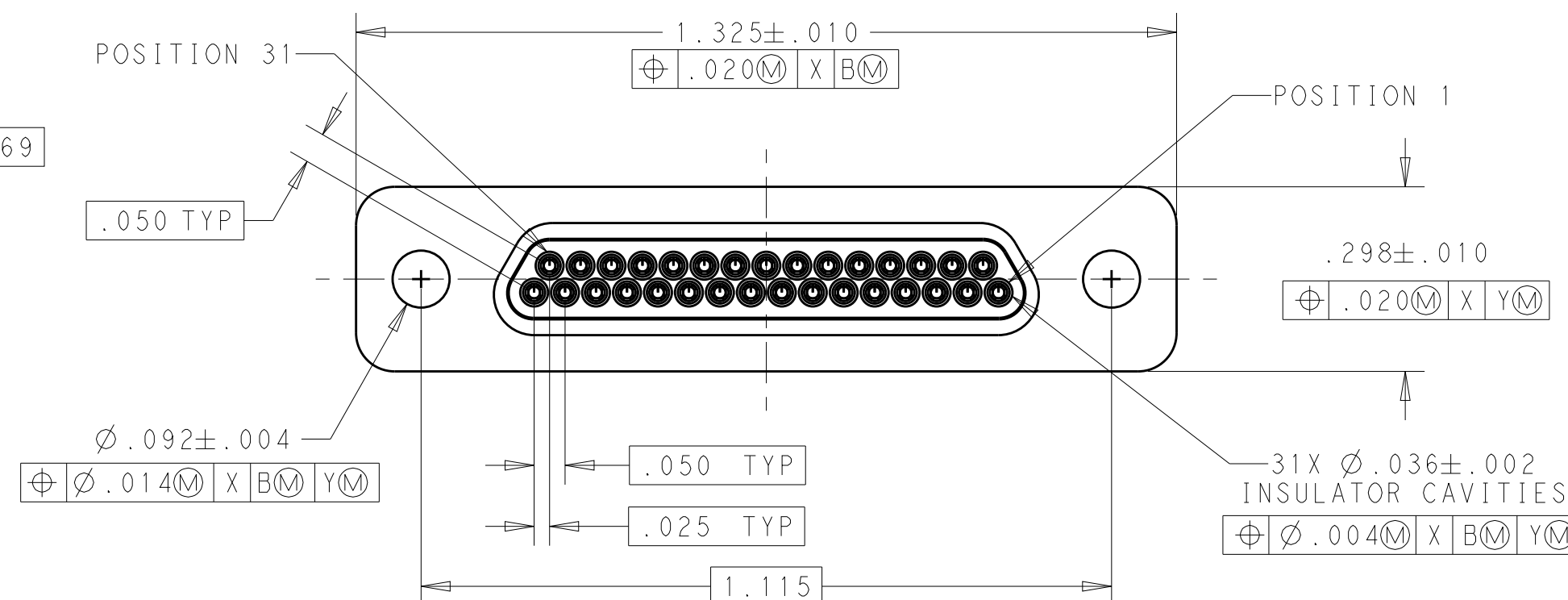


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	UPDATE PER ECO-16-010932	22JUL2016	DS	CS



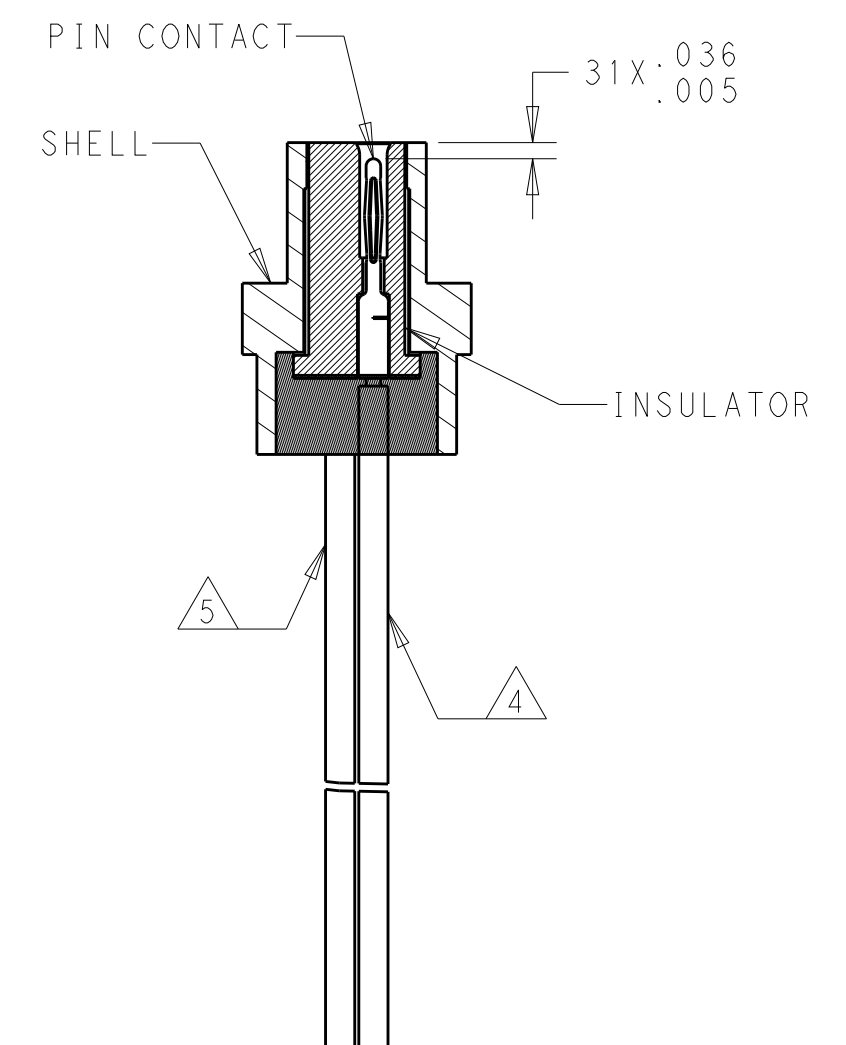
Technical drawing of a mechanical part showing a cross-section with dimensions and tolerances.

Dimensions and Tolerances:

- Top horizontal dimension: $.406 \pm .010$
- Bottom horizontal dimension: $.940^{+.010}_{-.018}$
- Right vertical dimension: $.183 \pm .003$
- Right vertical dimension: $.093 \pm .005$
- Right vertical dimension: $L \text{ DIM } 3$

Feature Callouts:

- Top left: $-X-$
- Top center: A
- Top right: 1 2
- Center: M83513/03-XXXX TE YYWW
- Bottom left: $\oplus .020 \text{ (M) } X \text{ (B) (M)}$
- Bottom center: A
- Bottom right: 3



SECTION A - A

- ① CONNECTOR SHALL BE MARKED IN ACCORDANCE WITH METHOD 1 OF MIL-STD-1285. MARKING SHALL CONTAIN THE MILITARY PIN, CAGE CODE (OR TE), AND DATE CODE. EXAMPLE: M83513/03-XXXX TE YYWW (WHERE XXXX IS PART OF THE PIN SHOWN IN THE "MIL-DTL-83513" COLUMN OF THE PART NUMBER TABLE, AND YYWW IS THE DATE CODE). TEXT HEIGHT SHALL BE .035 INCH MINIMUM.
- ② 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.
- ③ LENGTH IS SHOWN IN THE "L DIM" COLUMN OF THE PART NUMBER TABLE. LENGTH TOLERANCE IS +1.0/-0.0 FOR INSULATED WIRE TERMINATIONS, AND +0.20/-0.00 FOR UNINSULATED WIRE TERMINATIONS.
- ④ INSULATED WIRE IS SHOWN FOR REFERENCE ONLY. PART MAY BE TERMINATED WITH INSULATED OR UNINSULATED WIRE ACCORDING TO THE PART NUMBER TABLE.
- ⑤ EPOXY ENCAPSULATION. EPOXY MAY WICK .125 INCH MAX FOR INSULATED WIRE, AND .050 INCH MAX FOR UNINSULATED WIRE.
- ⑥ ALL DIMENSIONS AND REQUIREMENTS ARE PER MIL-DTL-83513/3.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 03SEP2008 B ROMANCHUK		TE Connectivity	
DIMENSIONS: IN		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		APVD 03SEP2008 M STORRY		PLUG ASSEMBLY MICRO-D PER MIL-DTL-83513/03 MCKS SERIES, 31 POSITION	
		PRODUCT SPEC			
		APPLICATION SPEC			
		-			
MATERIAL SEE NOTES - -		ANGLES FINISH - -		SIZE A2	
		WEIGHT -		CAGE CODE 98278	
		CUSTOMER DRAWING		DRAWING NO C-1532183	
				RESTRICTED TO -	
				SCALE 4:1	
				SHEET 1 OF 2	
				REV B	

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

3

1

TE PART NUMBER	L DIM	MIL-DTL-83513 PIN	MICRODOT P/N	MCKS DESCRIPTION
1532183-1	18	M83513/03-E01N	094-6525-0001	MCKS-N1-B-31P6G1-18.0
1532183-2	36	M83513/03-E02N	094-6525-0002	MCKS-N1-B-31P6G1-36.0
1532183-3	18	M83513/03-E03N	094-6525-0003	MCKS-N1-B-31P6G9-18.0
1532183-4	36	M83513/03-E04N	094-6525-0004	MCKS-N1-B-31P6G9-36.0
1532183-5	18	M83513/03-E09N	094-6525-0009	MCKS-N1-B-31P6Q1-18.0
1532183-6	36	M83513/03-E10N	094-6525-0010	MCKS-N1-B-31P6Q1-36.0
1532183-7	18	M83513/03-E11N	094-6525-0011	MCKS-N1-B-31P6Q9-18.0
1532183-8	36	M83513/03-E12N	094-6525-0012	MCKS-N1-B-31P6Q9-36.0
1532183-9	72	M83513/03-E13N	094-6525-0013	MCKS-N1-B-31P6G1-72.0
1-1532183-0	72	M83513/03-E14N	094-6525-0014	MCKS-N1-B-31P6G9-72.0
1-1532183-1	72	M83513/03-E15N	094-6525-0015	MCKS-N1-B-31P6Q1-72.0
1-1532183-2	72	M83513/03-E16N	094-6525-0016	MCKS-N1-B-31P6Q9-72.0
1-1532183-3	0.5	M83513/03-E05N	094-6525-0005	MCKS-N1-B-31P5L4-0.5
1-1532183-4	1.0	M83513/03-E06N	094-6525-0006	MCKS-N1-B-31P5L4-1.0
1-1532183-5	0.5	M83513/03-E07N	094-6525-0007	MCKS-N1-B-31P5L5-0.5
1-1532183-6	1.0	M83513/03-E08N	094-6525-0008	MCKS-N1-B-31P5L5-1.0
1-1532183-7	18	M83513/03-E01C	094-6535-0001	MCKS-C2-B-31P6G1-18.0
1-1532183-8	36	M83513/03-E02C	094-6535-0002	MCKS-C2-B-31P6G1-36.0
1-1532183-9	18	M83513/03-E03C	094-6535-0003	MCKS-C2-B-31P6G9-18.0
2-1532183-0	36	M83513/03-E04C	094-6535-0004	MCKS-C2-B-31P6G9-36.0
2-1532183-1	0.5	M83513/03-E05C	094-6535-0005	MCKS-C2-B-31P5L4-0.5
2-1532183-2	1.0	M83513/03-E06C	094-6535-0006	MCKS-C2-B-31P5L4-1.0
2-1532183-3	0.5	M83513/03-E07C	094-6535-0007	MCKS-C2-B-31P5L5-0.5
2-1532183-4	1.0	M83513/03-E08C	094-6535-0008	MCKS-C2-B-31P5L5-1.0
2-1532183-5	18	M83513/03-E09C	094-6535-0009	MCKS-C2-B-31P6Q1-18.0
2-1532183-6	36	M83513/03-E10C	094-6535-0010	MCKS-C2-B-31P6Q1-36.0
2-1532183-7	18	M83513/03-E11C	094-6535-0011	MCKS-C2-B-31P6Q9-18.0
2-1532183-8	36	M83513/03-E12C	094-6535-0012	MCKS-C2-B-31P6Q9-36.0
2-1532183-9	72	M83513/03-E13C	094-6535-0013	MCKS-C2-B-31P6G1-72.0
3-1532183-0	72	M83513/03-E14C	094-6535-0014	MCKS-C2-B-31P6G9-72.0
3-1532183-1	72	M83513/03-E15C	094-6535-0015	MCKS-C2-B-31P6Q1-72.0
3-1532183-2	72	M83513/03-E16C	094-6535-0016	MCKS-C2-B-31P6Q9-72.0

3

1

TE PART NUMBER	L DIM	MIL-DTL-83513 PIN	MICRODOT P/N	MCKS DESCRIPTION
3-1532183-3	18	M83513/03-E01P	094-6545-0001	MCKS-P1-B-31P6G1-18.0
3-1532183-4	36	M83513/03-E02P	094-6545-0002	MCKS-P1-B-31P6G1-36.0
3-1532183-5	18	M83513/03-E03P	094-6545-0003	MCKS-P1-B-31P6G9-18.0
3-1532183-6	36	M83513/03-E04P	094-6545-0004	MCKS-P1-B-31P6G9-36.0
3-1532183-7	0.5	M83513/03-E05P	094-6545-0005	MCKS-P1-B-31P5L4-0.5
3-1532183-8	1.0	M83513/03-E06P	094-6545-0006	MCKS-P1-B-31P5L4-1.0
3-1532183-9	0.5	M83513/03-E07P	094-6545-0007	MCKS-P1-B-31P5L5-0.5
4-1532183-0	1.0	M83513/03-E08P	094-6545-0008	MCKS-P1-B-31P5L5-1.0
4-1532183-1	18	M83513/03-E09P	094-6545-0009	MCKS-P1-B-31P6Q1-18.0
4-1532183-2	36	M83513/03-E10P	094-6545-0010	MCKS-P1-B-31P6Q1-36.0
4-1532183-3	18	M83513/03-E11P	094-6545-0011	MCKS-P1-B-31P6Q9-18.0
4-1532183-4	36	M83513/03-E12P	094-6545-0012	MCKS-P1-B-31P6Q9-36.0
4-1532183-5	72	M83513/03-E13P	094-6545-0013	MCKS-P1-B-31P6G1-72.0
4-1532183-6	72	M83513/03-E14P	094-6545-0014	MCKS-P1-B-31P6G9-72.0
4-1532183-7	72	M83513/03-E15P	094-6545-0015	MCKS-P1-B-31P6Q1-72.0
4-1532183-8	72	M83513/03-E16P	094-6545-0016	MCKS-P1-B-31P6Q9-72.0

A

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
IN

MATERIAL
SEE NOTES

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-

1 PLC ±-

2 PLC ±.010

3 PLC ±.005

4 PLC ±-

ANGLES ±1°

FINISH -

-

DWN
B ROMANCHUK

CHK
-

APVD
M STORRY

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

03SEP2008

03SEP2008

TE Connectivity

PLUG ASSEMBLY
MICRO-D PER MIL-DTL-83513/03
MCKS SERIES, 31 POSITION

SIZE
A2

CAGE CODE
98278

DRAWING NO
C-1532183

RESTRICTED TO
-

SCALE
4:1

SHEET
2

OF
2

REV
B