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LOC

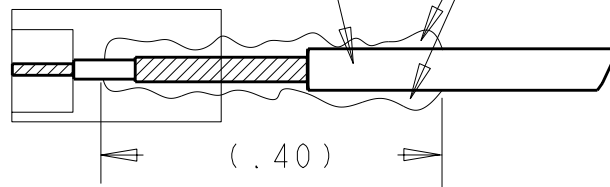
DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	4	Epoxy added to cable	28JAN2004	DJL	MAH
	A	Part status change	29MAR2004	DJL	MAH
	B	New tubing added / epoxy added	18JUN2004	DJL	MAH
	C	Added notes and updated logo	24APR	VG	MAH

Outer jacket

Epoxy beads  
see note 4  
epoxy covering  
over cable  
permissible



DETAIL A  
SCALE 4:1

PSA see  
Note 4  
sheet 2

Release  
Liner

EMI Tubing

Cable  
Soldered  
to  
Flex

.007 REF

See note 3

Solder joints  
see note 2

SEE DETAIL A

Antenna connector  
and cable assembly  
Hirose U.FL-LP-066  
or equivalent

EMI Suppressant tubing  
Capcon LST-060  
approximately centrally located  
epoxy at both ends with 3M DP-190

NOTES: UNLESS OTHERWISE SPECIFIED:

1. Package items in accordance with STI general packaging specification 50-04100-013.
2. Align end of center conductor to outer edge of solder pad as shown. Solder exposed shield to flex as shown.
3. Position cable at the vertical center of the solder pads as shown.  $\pm 0.02$  in.
4. Apply epoxy (3M DP-190) over solder joint and up on outer jacket approximately as shown.
5. Part is RoHS compliant per Tyco Electronics Standard 230-702.

SOLDER	1513309-2 1513297-1	1513309-1	-	-
-	FPC	1513309-2	1	3
-	CABLE WITH CONNECTOR	1513297-1	1	2
-	CAPCON LST-060	1513429-1	1.00 $\pm$ .10 inch	1
PLATING/ PROCESS	MATERIAL	PART NUMBER	QTY.	ITEM NUMBER

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DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC $\pm 0.1$ 1 PLC $\pm 0.05$ 2 PLC $\pm 0.02$ 3 PLC $\pm 0.005$ 4 PLC $\pm 0.001$ ANGLES $\pm 1^\circ$
MATERIAL -	FINISH -

DWN 29MAR2004

CHK -

APVD -

PRODUCT SPEC

-

APPLICATION SPEC

-

WEIGHT -

CUSTOMER DRAWING

Tyco Electronics

Tyco Electronics  
Rochester, New York 14623

NAME  
Antenna  
Assembly  
Gemini WAN

SIZE A3 CAGE CODE 00779 DRAWING NO C-1513309 RESTRICTED TO -

SCALE 1:1 SHEET 1 OF 2 REV C

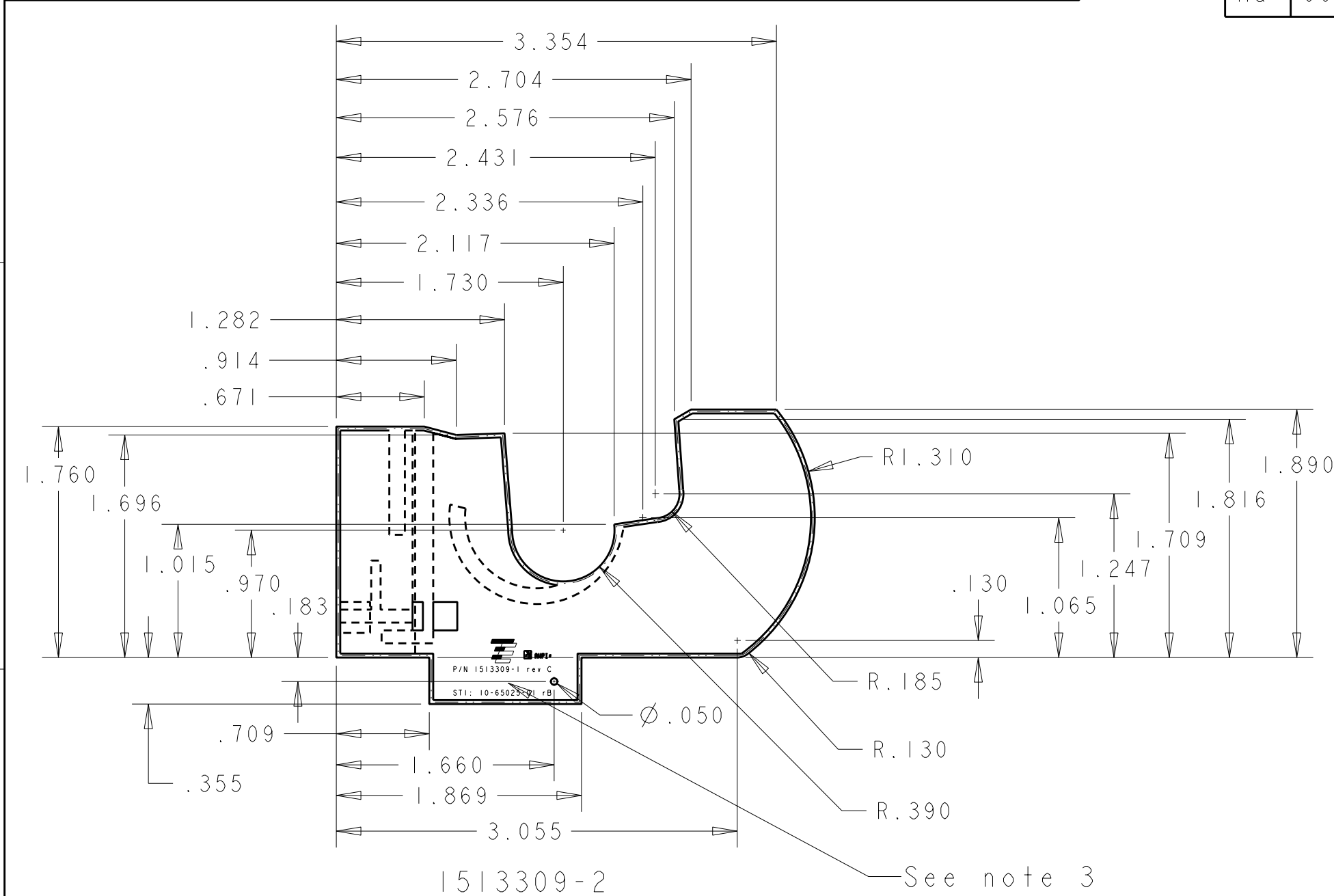
4

3

2

1

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	APVD
HQ	00	-	-	SEE SHEET 1	-	-



- NOTES: UNLESS OTHERWISE SPECIFIED:
- General Tolerances (Unless Otherwise Specified):  
Copper pattern:  $\pm .002$   
Board outline:  $\pm .008$   
Board outline to copper pattern:  $\pm .005$   
Board outline to soldermask:  $\pm .008$   
Vendor to compensate for over/under etch factor.
  - Immersion tin or gold finish as specified on PO or TE Engineering approved equivalent.
  - Workmanship per STI specification SS-03800-57.
  - Flex thickness to be  $.007 \pm .001$  including adhesive, without release liner.
  - Label part using a non-conductive white epoxy ink approx. as shown. Label to include logo(s), part number, and latest revision. Character height range: .06" - .125".
  - Apply 3M F-9460PC VHB adhesive transfer tape with release liner.
  - Solder mask is .015" from edge of board all around.
  - Refer to gerber file: 100233revC.zip.
  - Part is RoHS compliant per Tyco Electronics Standard 230-702.

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DIMENSIONS: INCHES 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC $\pm 0.1$ 1 PLC $\pm 0.05$ 2 PLC $\pm 0.02$ 3 PLC $\pm 0.005$ 4 PLC $\pm 0.001$ ANGLES $\pm 1^\circ$	CHK -	-	NAME Flex Circuit Gemini WAN	
		APVD -	-		
		PRODUCT SPEC -	-	SIZE A3	
		APPLICATION SPEC -	-		
MATERIAL -	FINISH -	WEIGHT -	-	CAGE CODE 00779	DRAWING NO 1513309
CUSTOMER DRAWING				RESTRICTED TO -	
SCALE 1:1				SHEET 2	OF 2
				REV C	

# Mouser Electronics

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[1513309-1](#)