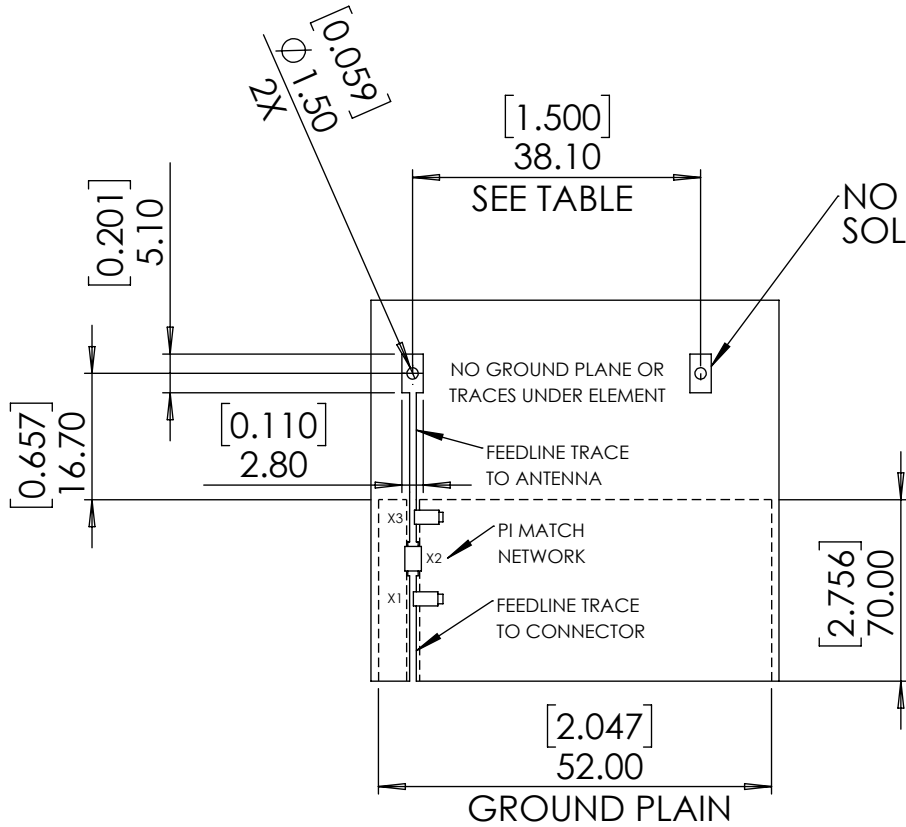
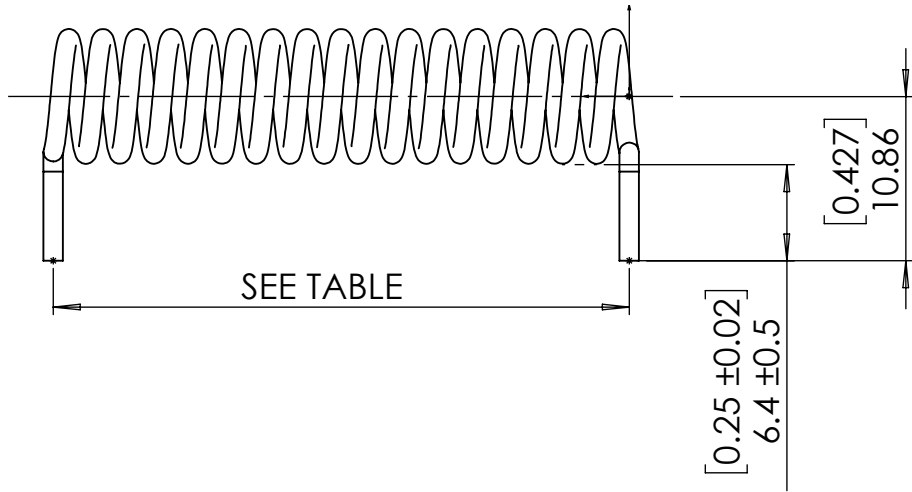
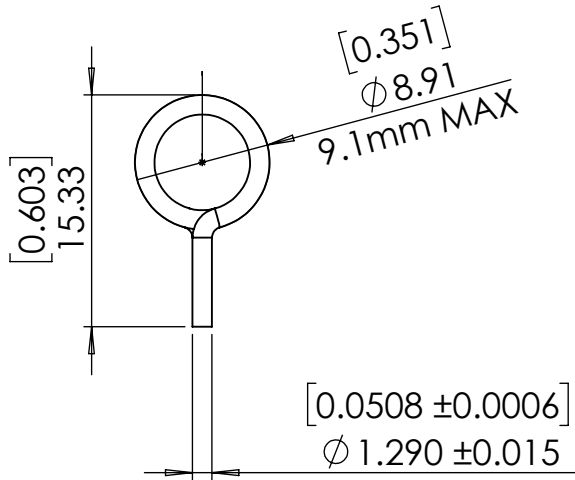


REV	DESCRIPTION	DATE	DWN	APVD
A	INITIAL RELEASE OF CUSTOMER DRAWING	11/6/2023	JH	CM

DWG NO
C-ANT-FFF-HETH


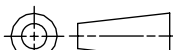
THIS DRAWING IS A CONTROLLED DOCUMENT



SUGGESTED BOARD LAYOUT AND TUNING NETWORK

- ALL DIMENSIONS ARE IN MM [INCHES].
- ALL MATERIALS PRODUCT AND PROCESSES MUST MEET REQUIREMENT OF TE CONNECTIVITY ENVIRONMENTAL STANDARD TEC-138-702 CONTAINS NO BANNED OR RESTRICTED SUBSTANCES.
- NO REACH SVHC SHALL BE CONTAINED ABOVE THE TRESHOLD AS DEFINED IN REACH SVHC COMPLIANCE DEFINITION IN ANNEX "A" OF TEC-138-702.
- ELECTRICAL DATA SHOWN FOR REFERENCE ONLY. SEE DATA SHEET FOR COMPLETEDOCUMENTATION.
 - FREQUENCY: SEE TABLE
 - MAX POWER: 15W
 - OMNIDIRECTIONAL
 - 1/4 WAVE TYPE
 - MONOPOLE
 - IMPEDANCE: 50Ω
- ANTENNA QUALIFIED IAW 108 INTERNAL TEST DOCUMENT AT LATEST REVISION.
- MECHANICAL :
 - ASSEMBLY: THRU-HOLE SOLDERED IAW IPC-A-610 ORE REFLOW COMPATABLE DIRECT PCB ATTACHMENT.
 - OPERATING AND STORAGE TEMPERATURE: -40°C - +85°C
 - 3 ELEMENT SURFACE MATCHING NETWORK RECOMMENDED. SEE DATASHEET FOR DETAILS.
 - USE BEST PRACTICES FOR DESIGNING TRANSMISSION LINES USING RF COMPONENTS.
 - 315MHz VERSION OF THE ANTENNA AND BOARD LAYOUT SHOWN. SEE TABLE FOR DETAILS.

PART NUMBER	FREQ	WIDTH
ANT-315-HETH	315	3.81 ±1 [1.5±.04]
ANT-418-HETH	418	3.81 ±1 [1.5±.04]
ANT-433-HETH	433	3.81 ±1 [1.5±.04]
ANT-868-HETH	916	2.54 ±1 [1.0±.04]
ANT-916-HETH	916	2.54 ±1 [1.0±.04]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JHAGER	11/6/23	<div>TE Connectivity</div>					
		CHK CLEWIS	11/6/23						
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 0.5 1 PLC ± 0.25 2 PLC ± 0.13 3 PLC 4 PLC ANGLES ± 30'	APVD CMURPHY	11/6/23	HE SERIES HELICAL ANTENNA THROUGH HOLE MOUNT					
		PRODUCT SPEC -							
		APPLICATION SPEC -		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
		WEIGHT 0.011 g	A3	00779	C- ANT-FFF-HETH	—			
MATERIAL CuSnP C5100-H08 BRONZE, GRADE A		FINISH NONE		CUSTOMER DRAWING			SCALE 2:1	SHEET 1 OF 1	REV A