

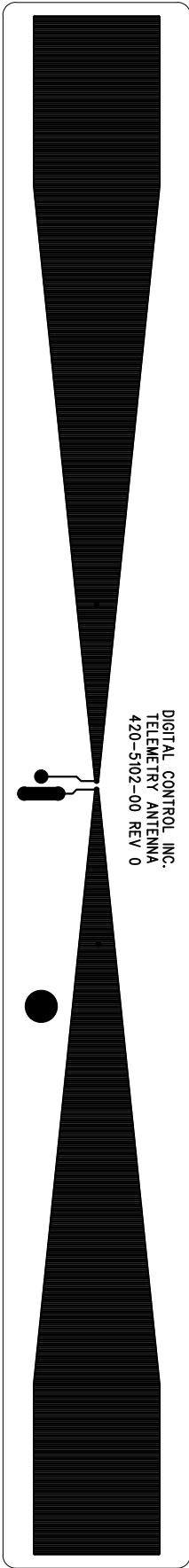
Statement from Digital Control Incorporated:

The DigiRadio™2 module (model DR2), designed for use in DigiTrak® brand handheld receivers (UHF transmitter) and remote displays (UHF receiver), is installed in the host devices at the manufacturer.

The antenna used in the UHF transmitter host devices is also installed at the manufacturer.

The maximum gain of the antenna used with the DR2 module is 0.1 dBi.

The antenna drawing is shown below. Note the antenna type is: dipole.



PCB FABRICATION NOTES (UNLESS OTHERWISE SPECIFIED)

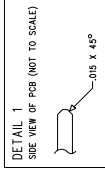
1. PRIMARY SIDE SHOWN.
2. TWO LAYER RoHS COMPLIANT PCB.
3. FABRICATE PER IPC-RB-276 IPC-6012, CLASS 2, CURRENT REV.
4. DETERMINE ACCEPTABILITY PER IPC-A-600, CLASS 2, CURRENT REV.  
25% BREAKOUT PERMITTED ON VIAS IF INTERFACE  
BETWEEN CONDUCTOR AND TERMINAL AREA OF PAD IS 100%.
5. LAMINATE AND PREPREG SHALL BE AS PER IPC-4101/21. USE 0.062" +/-10% THICK.  
MANUFACTURE/FABRICATE TO MEET THE RoHS DIRECTIVE.  
GLASS TRANSITION TEMPERATURE (Tg) >70degC  
DECOMPOSITION TEMPERATURE (Td) > 345degC  
MOISTURE ABSORPTION RATE < 0.35%  
BOARD TO BE MEASURED OUTER METAL-TO-METAL THICKNESS.
6. PLATE TO 1.5 OZ COPPER NOMINAL ON SURFACE LAYERS, 1.0 OZ  
COPPER NOMINAL IN HOLES AND INTERIOR LAYERS IF PRESENT.  
HOLE PLATING = 0.01"MIN AVERAGE / 0.0008" ABSOLUTE MIN.  
PLATING HOLE DIAMETERS SPECIFIED AFTER PLATING (SEE HOLE CHART).  
MINIMUM COPPER THICKNESS ANYWHERE ON BOARD IS 0.001".
7. TOOLING HOLES OF DIAMETER UP TO 0.126" PERMISSIBLE AND ARE  
NON-PLATED. IF PRESENT IN DESIGN, THEY SHALL BE MARKED "T". ALL  
OTHER HOLES SHALL BE PLATED OR NON-PLATED ACCORDING TO HOLE CHART.
8. HOLE SIZES GIVEN ARE FINISHED DIMENSIONS GIVEN IN THOUSANDTHS  
OF AN INCH. EXAMPLE: 35 SHALL BE READ AS 0.035".
9. SOLDERMASK BOTH SIDES OVER BARE COPPER PER IPC-SM-840,  
CLASS 2, CURRENT REV. AND MANUFACTURERS SPECIFICATIONS.  
TYPE: LIQUID PHOTOMAKEABLE. COLOR: GREEN.  
NO SOLDER MASK PERMISSIBLE ON COMPONENT PADS AS PER SUPPLIED FILMWORK.  
FINISH: ELECTROLESS NICKEL/IMMERSION GOLD (ENIG).
10. EDGE CONNECTOR J4 CONTACT FINGERS TO BE GOLD PLATED.  
30 MICROINCHES MINIMUM OF HARD GOLD (99.7%) OVER 200 MICROINCHES OF NICKEL
11. DATE CODE AND UL RECOGNIZED VENDOR MARK REQUIRED.  
DATE CODE SHALL USE FOUR NUMERALS, GIVING WORK WEEK  
AND YEAR, EG., 2898 STANDS FOR THE 28TH WEEK OF 1998.  
THESE MARKS SHALL BE MADE IN COPPER AND SHALL BE LOCATED  
ON THE SECONDARY SIDE OF THE PCB.
12. SCREEN COMPONENT ID WITH NON-CONDUCTING WHITE INK.  
COMPONENT ID REGISTRATION TO BE WITHIN +/- 0.005" OF ITS  
RESPECTIVE COMPONENT LAYER.  
NO SILKSCREEN INK PERMISSIBLE ON COMPONENT PADS  
OR IN PADS AS PER SUPPLIED FILMWORK.
13. ETCH TOLERANCE +0.001" - 0.002". TOTAL TRACE REDUCTION  
CANNOT EXCEED 20%.
14. FRONT-TO-BACK REGISTRATION TO BE WITHIN +/-0.003".
15. BOARD WARP TO BE NO GREATER THAN 1.2%.
16. HOLE TOLERANCES  
UP TO 0.019" DIA ..... +0.000/- 0.003"  
0.020 - 0.049" DIA .... +/- 0.003"  
0.050 0.099" DIA .... +/- 0.005"  
0.100" AND UP ..... +/- 0.007"

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SOLDER OR PLATING  
PLUG ACCEPTABLE IN  
HOLES UP TO 0.025"

17. LAYER CONFIGURATION DIAGRAM:  
PRIMARY SIDE COMPONENT I.D.  
PRIMARY SIDE SOLDER MASK  
CIRCUIT LAYER #1 (PRIMARY SIDE)  
CIRCUIT LAYER #2 (SECONDARY SIDE)  
SECONDARY SIDE SOLDER MASK  
SECONDARY SIDE SILK SCREEN

MINIMUM INNER LAYER  
SPACING IS 0.010"  
MEASURED BETWEEN ANY  
TWO COPPER LAYERS



SIZE	QTY	SYM	PLATED	TOL
40	3		YES	+/-0.0
125	1		YES	+/-0.0

COMPANY: DIGITAL CONTROL, INCORPORATED 19825 62ND AVE SOUTH, SUITE 800 RENTON, WA 98057 (206) 251-9701			
DRAWN: #	08-11-06	TITLE: D0128AC-10e Antenna	REV: 0
CHECKED:		CODE: SIZE	ISSUING NO: 410-S02-00
QC:		SCALE:	SHEET: 1 OF 1

