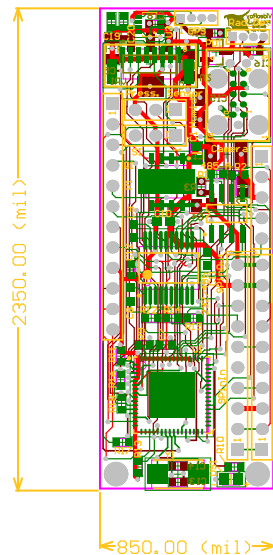


- Changes on Rev. 2 (10/15/2012)**
- 1. Tied ON & Dz pins on 232/485 to U1 pins 38 & 37 (duplexing)
 - 2. Added Tant cap 15uF/35V to VCC (C15)
 - 3. Changed camera header to 5 wire interface
 - 4. Changed camera connector for menuless interface (direct tx & rx lines)
 - 5. Removed camera menu resistor network (R4, R5, R6, R7, R8)
 - 6. Added header for radian detector
 - 7. DNI C4
 - 8. Added U2, C16 & C17 for 3.3V for GPS
 - 9. Added U3 & U4 digital level translators for GPS
 - 10. Tag Connect w/Legs for JTAG header

Property of VideoRay LLC		
Title		
Size	Number	Revision
B	PAM 002 - MicroPAM	
Date:	9/4/2013	Sheet of
File:	C:\Users\...MicroPAM Rev2_03 SchDoc	Drawn By:

VideoRay LLC
Project: MICRO PAM (Protocol Adaptor Module)
Part: MICRPAM board Rev.2
Engineering contact:

Gamini Dharmasena
(408) 480 - 9000 (mobile)
(484) 920 - 3191 (work)
gamini.dharmasena@videoray.com (best)



***** THIS IS A FOUR LAYER BOARD *****

Dimensions are in inches
Hole sizes are after plating

Layer order:

- 1: Top (component side)
- 2: Power (component side)
- 3: Ground plane (negative color scheme)
- 4: Bottom (solder side)

Copper: 1 oz. on all layers
Solder mask: glossy green
Silkscreen: white
Board material: FR-4
Final board thickness: 0.062 inches

***** Rev 3 Changes *****

Moved U2 by 31 mils to avoid mechanical interference with PD1 guiding hole
(this is the only change)

***** July 9, 2013: Created Pick and Place file for vendor SMT *****

VideoRay LLC 580 Wall Street Phoenixville, PA 19460	ENGINEER:	MICRO PAM BOARD Rev.3		
	PCB DESIGNER: Gamini Dharmasena			
	DATE: March 15, 2013	PART NO:	REV: Rev.3	SCALE:
	FILE NAME: MicroPAM_Rev3_01.PcbDoc	DWG NO:		