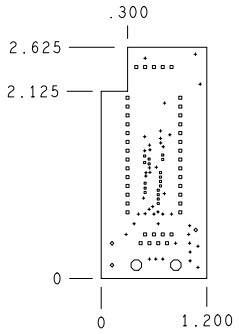
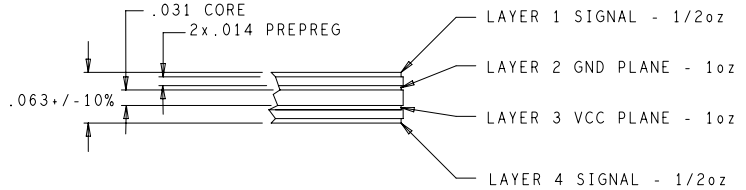
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
**	RELEASE FOR MANUFACTURING	12/01/05	CKS
*A	REMOVED PROTON FROM SILKSCREEN. ADDED SILKSCREEN TEXT AND CYPRESS LOGO. ADDED TP2 AND TP3 GROUND TEST POINTS. REMOVED J3.	05/23/06	DFK



DRILL CHART				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	10.0	+0.003 -0.010	PLATED	42
◦	20.0	0.003	PLATED	17
▫	35.0	0.003	PLATED	41
◇	43.0	0.003	PLATED	3
○	128.0	0.003	NON-PLATED	2



NOTES: UNLESS OTHERWISE SPECIFIED

1. RoHS COMPLIANT CERTIFICATION OR MATERIAL DECLARATION REQUIRED
2. MATERIAL:
   A. NELCO 4000-11 OR IS420 OR EQUIVALENT. MATERIAL MUST CONFORM TO UL94V-0.
   B. USE HTE COPPER 1/2 oz. COPPER FOIL EXTERNAL LAYERS AND 1 oz COPPER FOIL FOR INTERNAL LAYERS UNLESS OTHERWISE SPECIFIED IN STACK VIEW.
   C. OVERALL METAL TO METAL THICKNESS .XXX +/- 10%
3. DRILLING:
   A. DIAMETERS IN DRILL TABLE ARE FINISHED HOLE SIZES +/-.003. UNLESS OTHERWISE SPECIFIED IN DRILL TABLE.
   B. TEARDROP ALLOWED ON ENTRY OF VIA ON EVERY TRACE LAYER.
4. PLATING:
   A. COPPER PLATING IN THRU-HOLES .001" min.
5. MARKING:
   A. SILKSCREEN IN WHITE NON-CONDUCTIVE EPOXY INK ON PRIMARY SIDE OF THE BOARD OR BOTH SIDES IF APPLICABLE.
   B. FABRICATIOR TO ETCH DATE CODE AND LOGO ON SECONDARY SIDE.
6. FINAL FABRICATION:
   A. SOLDERMASK PRIMARY AND SECONDARY SIDE OF BOARD USING LIQUID PHOTOIMAGABLE. MASK MATERIAL OVER BARE COPPER PER IPC-SM-840. SOLDERMASK COLOR **GREEN**.
7. FINISH:
   A. SHALL BE ELECTROLYTIC NICKEL/GOLD, ELECTROLESS NICKEL/IMMERSION GOLD(ENIG).
   B. NICKEL THICKNESS: 100-200 MICROINCHES.
   C. GOLD THICKNESS 3-10 MICROINCHES.
8. BOARDS SHALL BE PURCHASED FROM UL RECOGNIZED VENDORS ONLY AND SHALL BE MARKED IN COPPER ON SECONDARY SIDE OF BOARD WITH VENDORS UL IDENTIFICATION. FLAMABILITY RATING (94-VO).DATE CODE (WWYY) AND RoHS COMPLIANT SYMBOL.
9. MANUFACTURE BOARD TO BE IN ACCORDANCE WITH PERFORMANCE STANDARD IPC-6011/6012 CLASS 2 BOARD TO BE INSPECTED PER IPC-600-A CLASS 2.
10. MAXIMUM BOW OR TWIST SHALL NOT EXCEED 0.007 in/in.

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
DIMENSIONS ARE IN INCHES	DRAWN ZMK	10/13/05
TOLERANCES ON: ANGLES +/- 2°	CHECKED DFK	11/30/05
2 PL DECIMALS +/- .010	ENGRG DFK	11/30/05
3 PL DECIMALS +/- .005	ISSUED	
THIRD ANGLE PROJECTIONS		

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FABRICATION DRAWING CY3210-21X23 PROTON POD MODULE DESIGN

SIZE	FSCM NO	DWG NO	REV
C		PDCR-9277	*A

SCALE: 1/1 SHEET: 1 OF 1