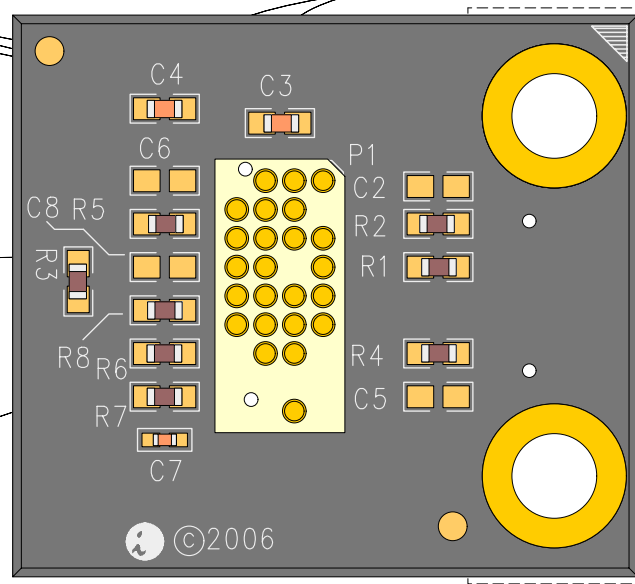
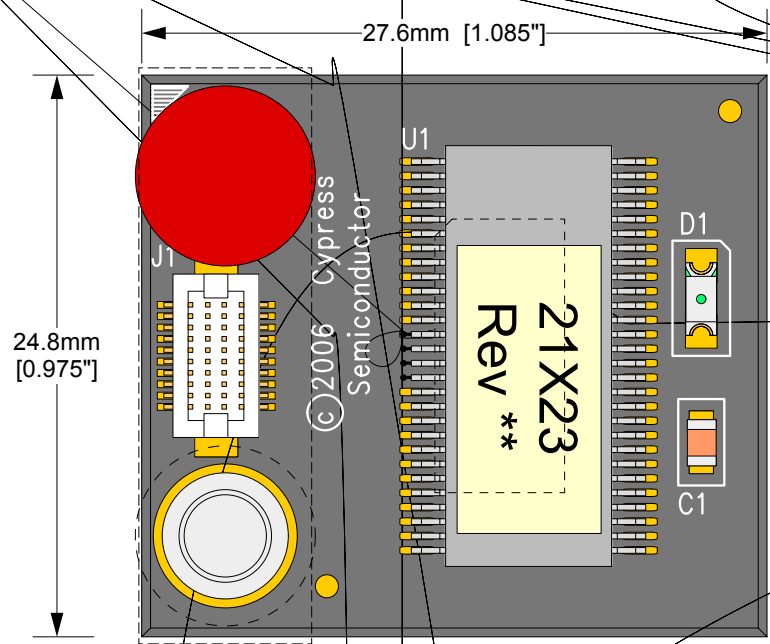


PROPRIETARY INFORMATION:

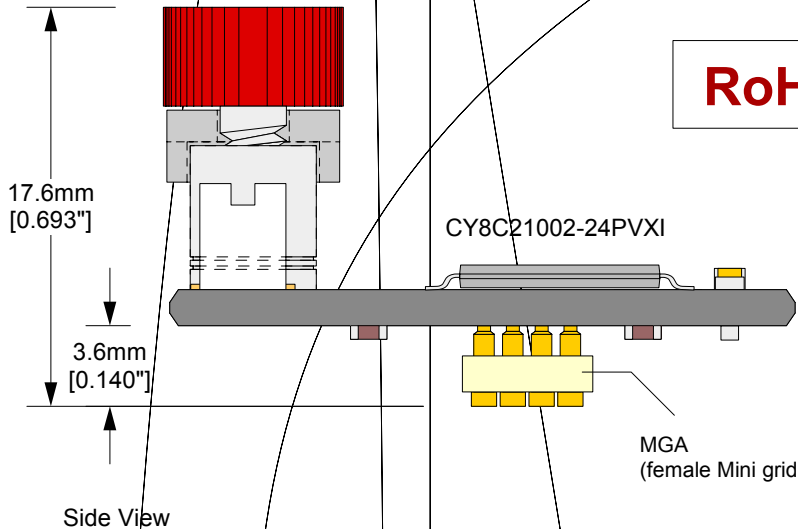
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Top View

Bottom View

RoHS COMPLIANT



Side View

Description: **21X23 POD**
SSOP56 OCD (CY8C21002-24PVXI).
Hirose cable connector with retention mechanism included.
Compatible with:
XT-PSoc-15-20H-10-01 - Flex cable (to ICE cube)

Compatible with the following Non-QFN feet:

- C5116 - SOIC8
- C6822 - SOIC16 foot
- C3845 - SSOP20 foot

Page: 1 of 2

EA-8C21023-NQ-01 Drawing

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Status:

Scale: 3:1

Rev: C

Drawing: M. Tully

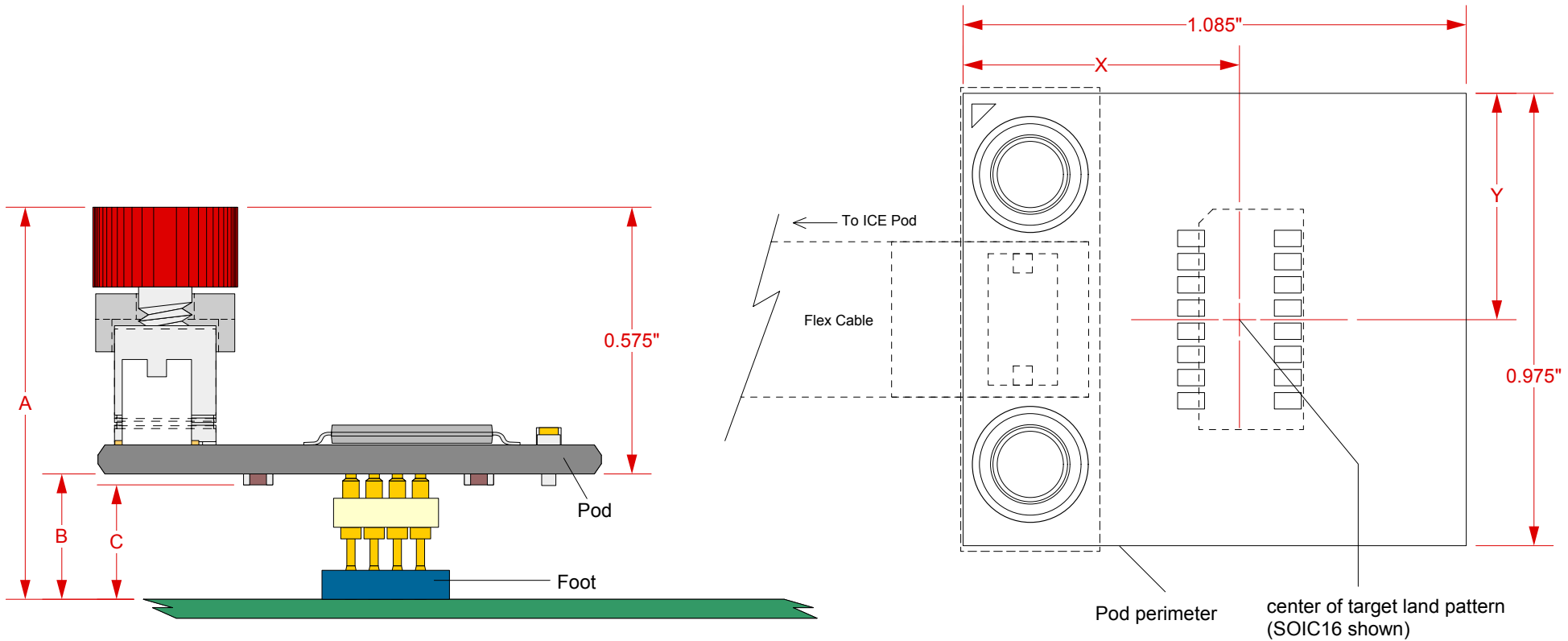
Date: 8/1/06

File: EA-8C21023-NQ-01 Dwg

Modified: 8/17/06, MT

Tolerances: diameters $\pm 0.03\text{mm}$ [± 0.001 "],
PCB perimeters $\pm 0.13\text{mm}$ [± 0.005 "],
PCB thicknesses $\pm 0.18\text{mm}$ [± 0.007 "],
pitches (from true position) $\pm 0.08\text{mm}$ [± 0.003 "],
all other tolerances $\pm 0.13\text{mm}$ [± 0.005 "]
unless stated otherwise. Materials and
specifications are subject to change without notice.

POD clearance, with respect to center of target pattern



Foot Part number	Description	Mask required	A	B	C	X	Y
C5116	SOIC 8 foot	no	0.845"	0.270"	0.245"	0.622"	0.513"
C6822	SOIC16 foot	no	0.845"	0.270"	0.245"	0.596"	0.488"
C3845	SSOP 20 foot	no	0.845"	0.270"	0.265"	0.621"	0.465"

EA-8C21023-NQ-01 Drawing

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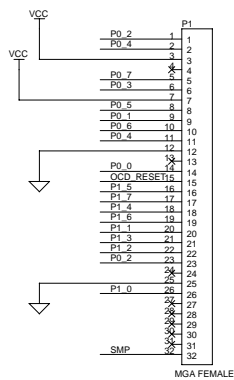
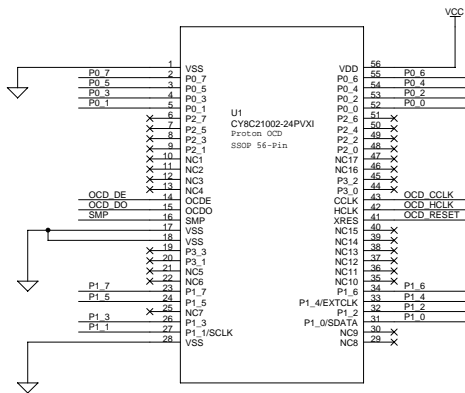
Modified: 8/17/06, MT

Tolerances: diameters $\pm 0.03\text{mm}$ [± 0.001 "],
 PCB perimeters $\pm 0.13\text{mm}$ [± 0.005 "],
 PCB thicknesses $\pm 0.18\text{mm}$ [± 0.007 "],
 pitches (from true position) $\pm 0.08\text{mm}$ [± 0.003 "],
 all other tolerances $\pm 0.13\text{mm}$ [± 0.005 "]
 unless stated otherwise. Materials and
 specifications are subject to change without notice.

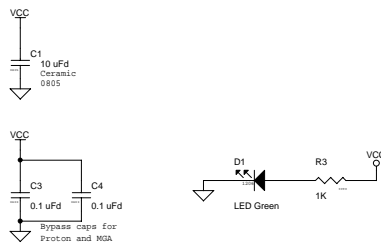
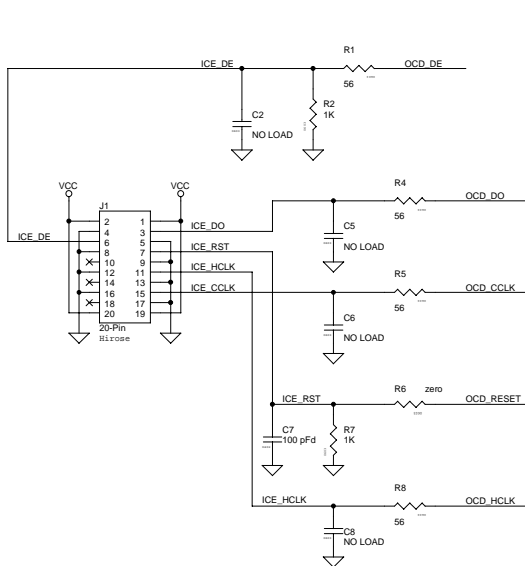


Rev 0.1 Original
 Rev 0.2 5/23/06, S.Delano, Renumbered P1 (MGA) to match the PCB MGA numbering.
 Rev 0.3 5/24/06, DFK - Renumbered reference designators to match the Neutron schematic.
 Rev 0.4 5/24/06, S.Delano - P1 was 24 pos., PDCR-9323** was PDCR9324**

Proton NON-QFN POD Schematic



MGA used on this assembly has only 24 positions, PCB lands can accept 32 position MGA.



PCB: PDCR-9323 **
 PCA: 121R-32400 **

CYPRESS SEMICONDUCTOR © 2005		
Proton Non-QFN POD		
Title		
Size	Document Number	Rev
C	REF-13504	0.3
Date:	Wednesday, May 24, 2006	Sheet 1 of 1