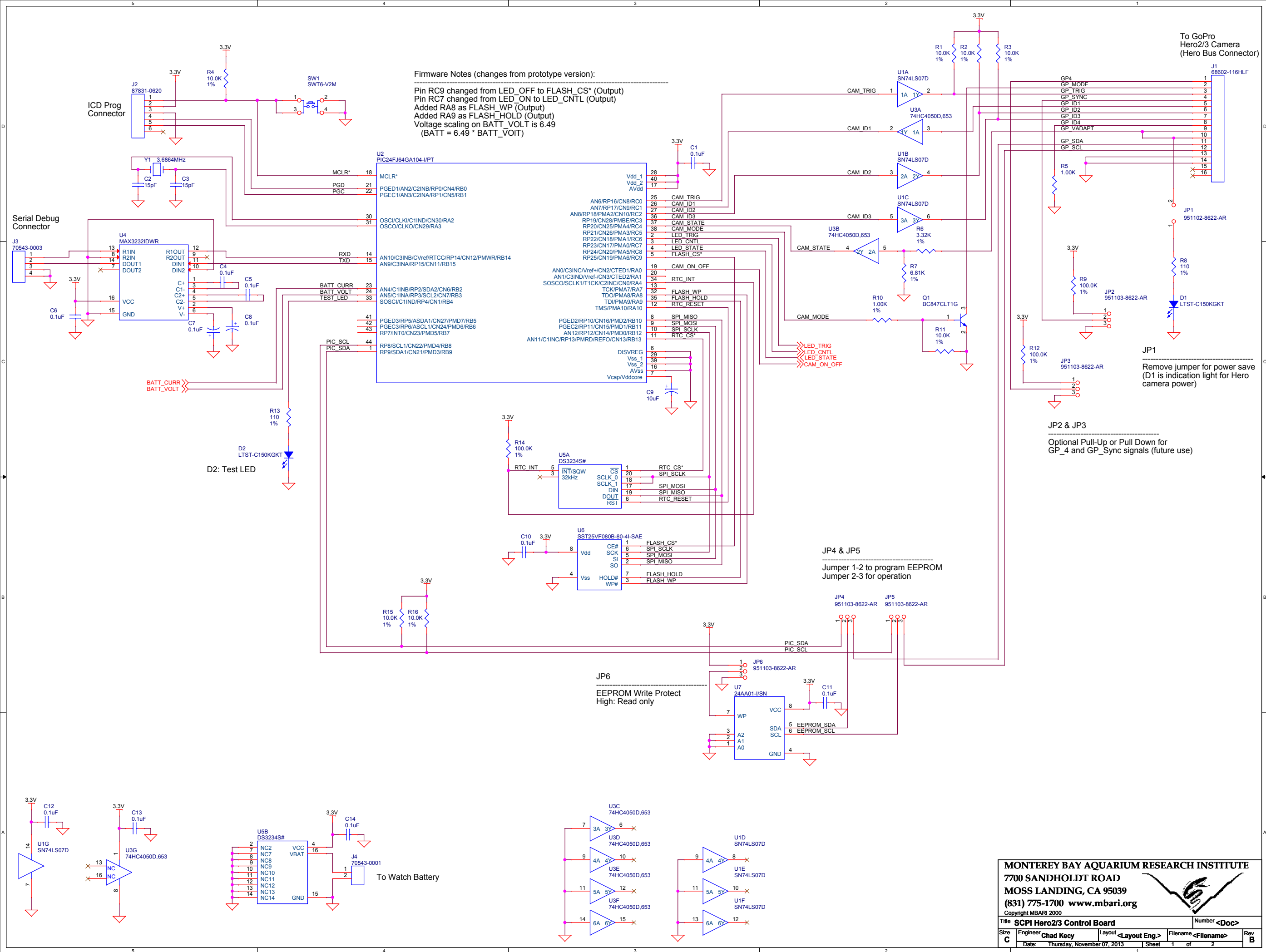




MONTEREY BAY AQUARIUM RESEARCH INSTITUTE
7700 SANDHOLDT ROAD
MOSS LANDING, CA 95039
(831) 775-1700 www.mbari.org
Copyright MBARI 2000

From SCPI
Battery Module

$I_{max} = 3A$
 $R_{sense} = 20m\Omega$
 $V_{sense} = 60mV$
 $Gain = 50$
 $V_{outMax} = 3.0V$

JP7

Remove jumper for power save
(D3 is indication light for 3.3V)

MAX5035 Adjustable Output

$$V_{out} = 1.22V (1 + ((R23+R26)/R27))$$

$$R23+R26 = ((V_{out} - 1.22V) / 1.22V) * R27$$

MAX5035 set for 4.568V

PMEG3050EP, 115 (D4) Forward Voltage

Fwd Curr	Vf (typ, max)
1A	0.240, 0.275
3A	0.285, 0.340
5A	0.315, 0.360

JP8

Optional Pull-Up or Pull Down for
LED Trigger (future use)

MONTEREY BAY AQUARIUM RESEARCH INSTITUTE
7700 SANDHOLDT ROAD
MOSS LANDING, CA 95039
(831) 775-1700 www.mbari.org
Copyright MBARI 2000

Title	SCPI Hero2/3 Control Board			Number	<Doc>
Size	Engineer	Layout	Filename	Rev	
C	Chad Kacy	<Layout Eng.>	<Filename>	B	
Date:	Thursday, November 07, 2013	Sheet	2 of 2		