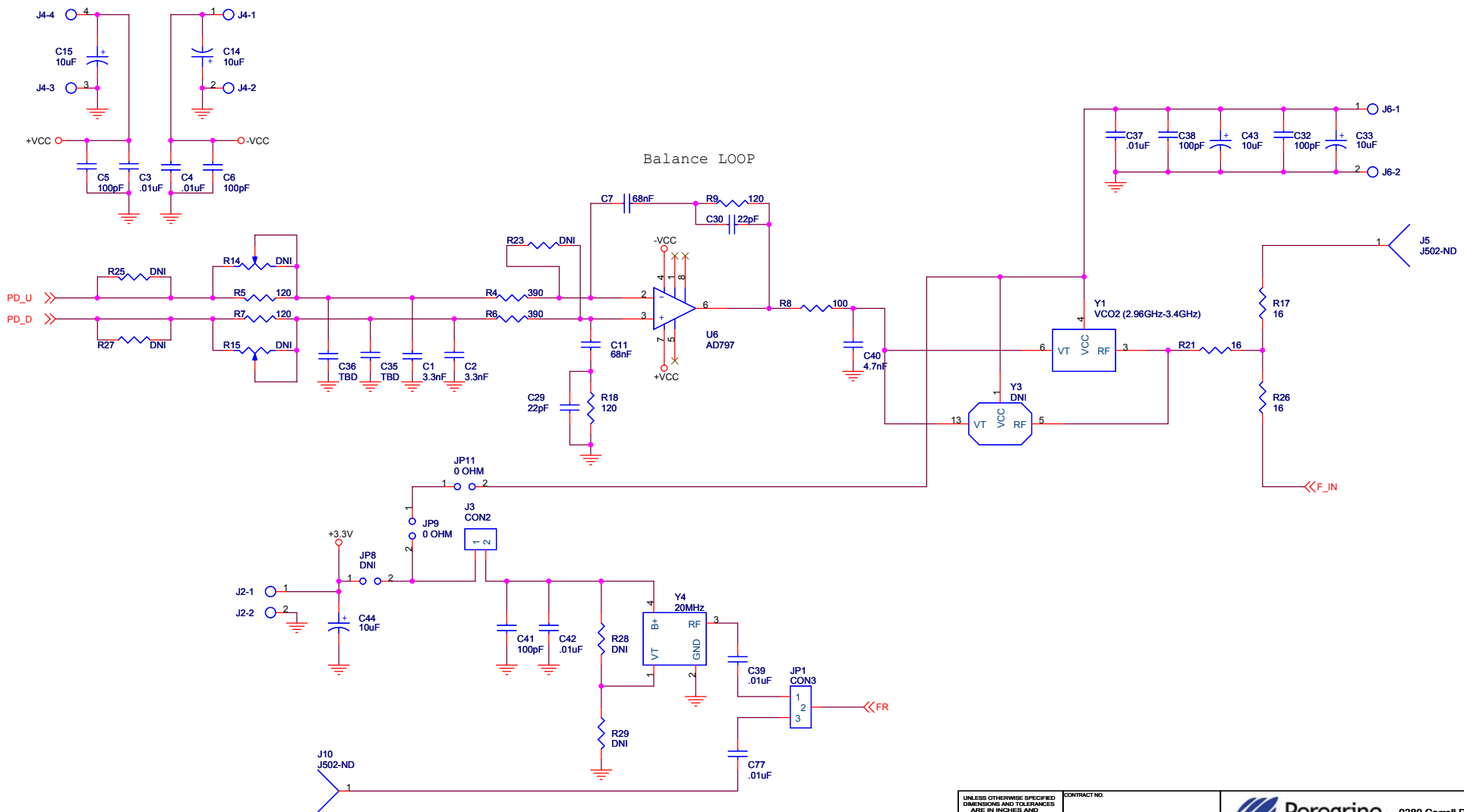


NOTES:
1. USE 101-0002-03A PCB.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS AND TOLERANCES ARE IN MILLIMETERS TOLERANCES ARE: FRACTIONS DECIMALS X.XX 0.05 X.XXX 0.025		CONTRACT NO.	Peregrine Semiconductor 9380 Carroll Park Drive San Diego, CA 92121	
DESIGNER	R. MENNING	DATE	1-30-08	REV NO 102/0452
DRAWN	GARY WU	DATE		
CHECKED		DATE		REV 01
APPROVED		DATE		
ISSUED TO		DATE		SCALE NONE
ISSUED		DATE		DATE Wednesday, January 30, 2008



UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES ARE IN INCHES AND APPLY TO THE FINISHED PART TOLERANCES ARE: FRACTIONS DECIMALS * .XX ± .01 *** ± .005 DO NOT SCALE DRAWING		CONTRACT NO.		9380 Carroll Park Drive San Diego, CA 92121	
DRAWN R. MENNING DATE 1-30-08		ENGINEER Gary WU DATE		PE97022 Eval Board	
CHECKED DATE		APPROVED DATE			
SIMILAR TO MARKING SYMBOL		ISSUED DATE		SIZE B	CAGE CODE
				DWG NO. T02/0452	REV 01
				SCALE NONE	DATE Wednesday, January 30, 2008
				Sheet 2 of 3	

Peregrine Semiconductor Corporation
PE97022 Eval board Revised: Friday, January 30, 2008
Bill Of Materials

Item	Quantity	Reference	Value	Part Description	Notes
1	2	CA2,CA4	100pF	SMC 3-Terminal Cap Array	
2	2	C1,C2	3.3nF	Chip Cap 1206, PPS high grade	Loop Filter
3	8	C3,C4,C17,C26,C37,C39,C42,C77	.01uF	AVX Chip Cap 0805	
4	12	C5,C6,C8,C9,C10,C12,C16,C25,C32,C34,C38,C41	100pF	AVX Chip Cap 0603	
5	2	C7,C11	68nF	Cap 1206, PPS high grade	Loop Filter
6	6	C13,C14,C15,C33,C43,C44	10uF	Cap 2513	
7	11	C18,C19,C20,C21,C22,C23,C24,C28,C29,C30,C45	22pF	AVX Chip Cap 0603	
8	2	C35,C36	TBD	AVX Chip Cap 0603	For Trimming
9	1	C40	4.7nF	PPS CAP 1206	Low pass filter (with R8)
10	7	D1,D2,D3,D4,D5,D6,D7	2.7V	Panasonic Zener Diode	
11	1	JP1	CON3	3 Pin Header	REF Select
12	4	JP4,JP6,JP9,JP11	0 OHM	0603 Jumper	
13	1	JP8	DNI	0603 Jumper	DO NOT INSTALL
14	1	J1	CONRA-8P-100X	8 Pin Header	Serial control
15	1	J2	CON2	2 Pin Header, .100	PLL VDD supply
16	1	J3	CON2	2 Pin Header	TCXO VCC Supply
17	1	J4	CON4	4 Pin Header, .100	Op Amp +/-6V supply
18	2	J5,J10	J502-ND	SMA Connector (Side Mount)	
19	1	J6	CON2	2 Pin Header, .100	VCO VCC supply
20	3	R1,R2,R3	10K	10 Pin SIP Resistor	
21	2	R6,R4	390	AVX Chip Resistor 0603	
22	2	R7,R5	120	SMD Resistor 0805	
23	1	R8	100	SMD Resistor 0805	Low pass filter (with C40)
24	2	R18,R9	120	SMD Resistor 0805	Loop Filter
25	4	R10,R11,R12,R22	220	16 Pin SMD R-Pack	
26	1	R13	DNI	SMD Resistor 0603	
27	3	R14,R15,R16	DNI		DO NOT INSTALL
28	1	R19	51	SMD Resistor 0603	2 dB pad
29	3	R17,R21,R26	16	SMD Resistor 0805	Power splitter
30	1	R20	0	SMD Resistor 0603	2 dB pad
31	1	R23	DNI	AVX Chip Resistor 0603	DO INSTALL
32	1	R24	51	SMD Resistor 0603	
33	2	R25,R27	DNI	SMD Resistor 0402	DO NOT INSTALL
34	2	R29,R28	DNI	SMD Resistor 0603	DO NOT INSTALL
35	3	S1,S2,S3	SW DIP-8		
36	5	TP1,TP2,TP3,TP9,TP11	T POINT A	Test Point	
37	1	U1	PE97022	Peregrine PE97022 PLL in PLCC socket	
38	1	U6	AD797	Ultra Low Noise OP-AMP	
39	1	Y1	VCO2 (2.96GHz-3.4GHz)	MODCO LV142MLN VCO	
40	1	Y3	VCO1 (2GHz-3.2GHz)	M3500-2032 VCO	DO NOT INSTALL
41	1	Y4	20MHz	Vectron TCXO OSC-3A0-20MHz	
42	1	101/0002~03A		44 Lead PLL PCB	