
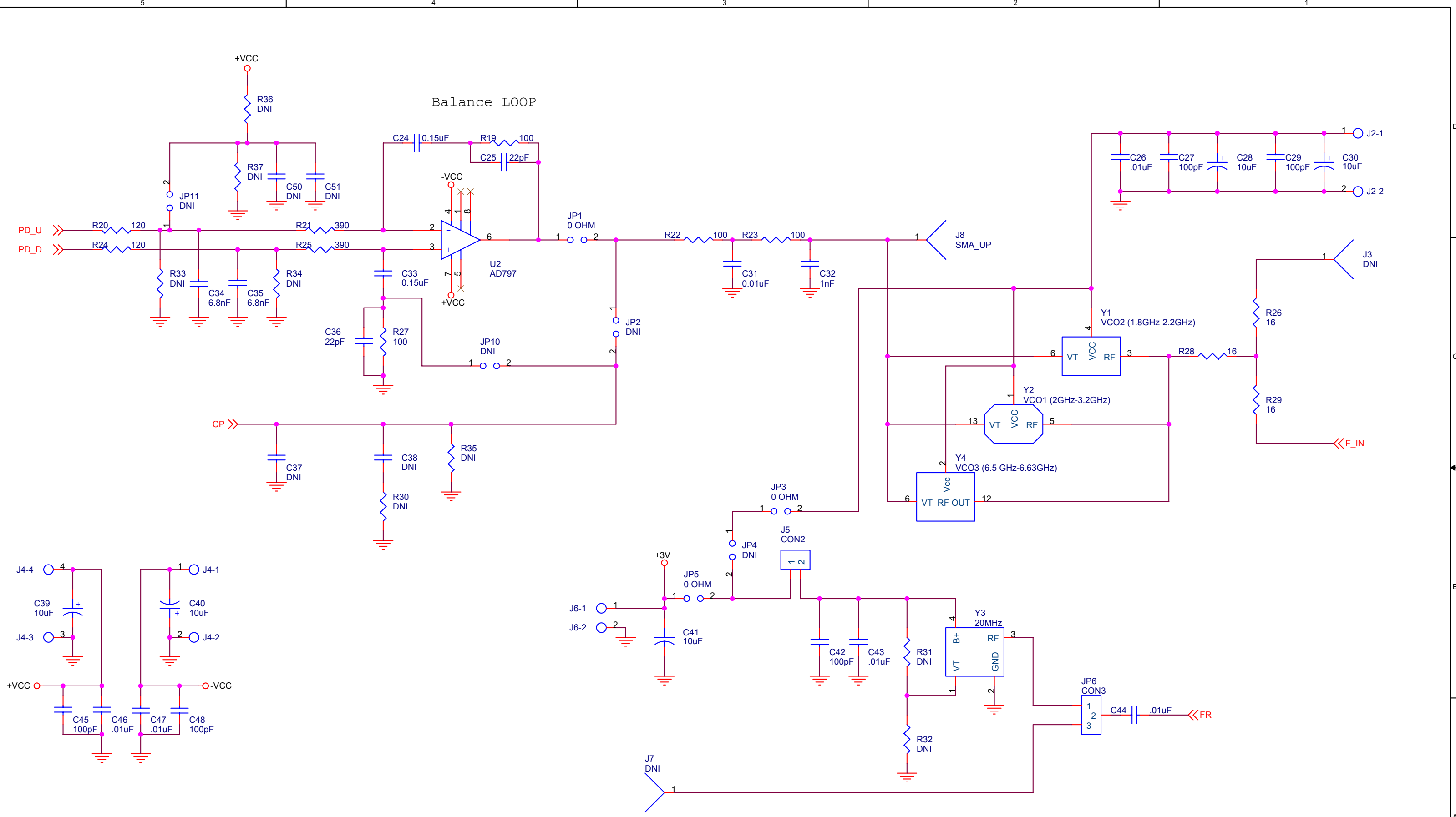


Notes:
 1. Use 101/0160~01A PCB.

 Peregrine Semiconductor Corporation 6175 Nancy Ridge Dr. San Diego, CA 92121			
Size	CAGE Code	DWG NO	Rev
B		102/0216	01A
Scale		Sheet	1 of 2
Wednesday, June 11, 2003			



Size	CAGE Code	DWG NO	Rev
B		102/0216	01A
Scale	NONE		Sheet 2 of 2

Peregrine Semiconductor Corporation
PE9763 DSM Fractional-N PLL (UP/DOWN) Revised: Wednesday, June 11, 2003
Bill Of Material

Item	Quantity	Reference	Value	Part Description	Notes
1	2	CA2,CA1	100pF	SMC 3-Terminal Cap Array	
2	12	C1,C7,C10,C13,C16,C19, C22,C27,C29,C42,C45,C48	100pF	AVX Chip Cap 0603	
3	11	C2,C3,C4,C8,C11,C14,C17, C20,C23,C25,C36	22pF	AVX Chip Cap 0603	
4	6	C5,C28,C30,C39,C40,C41	10uF	Cap 2513	
5	11	C6,C9,C12,C15,C18,C21, C26,C43,C44,C46,C47	.01uF	AVX Chip Cap 0805	
6	2	C24,C33	0.15uF	AVX Chip Cap 1206	Loop Filter
7	1	C31	0.01uF	AVX Chip Cap 1206	Low pass filter (with R22)
8	1	C32	1nF	AVX Chip Cap 1206	Low pass filter (with R23)
9	2	C35,C34	6.8nF	AVX Chip Cap 1206	Loop Filter
10	2	C37,C38	DNI	AVX Chip Cap 1206	DO NOT INSTALL
11	2	C51,C50	DNI	AVX Chip Cap 0603	DO NOT INSTALL
12	8	D1,D2,D3,D4,D5,D6,D7,D8	2.7V	Panasonic Zener Diode	Follow the silkscreen
13	1	D9	DNI	LED 0805/1206	
14	3	JP1,JP3,JP5	0 OHM	0603 Jumper	
15	7	JP2,JP4,JP7,JP8,JP9,JP10, JP11	DNI	0603 Jumper	DO NOT INSTALL
16	1	JP6	CON3	3 Pin Header	REF Select
17	1	J1	SUB_D IDC MATE26		
18	1	J2	CON2	2 Pin Header, .100	VCO VCC supply
19	2	J3,J7	DNI	SMA Connector (Side Mount)	DO NOT INSTALL
20	1	J4	CON4	4 Pin Header, .100	Op Amp +/-6V supply
21	1	J5	CON2	2 Pin Header	TCXO VCC Supply
22	1	J6	CON2	2 Pin Header, .100	PLL VDD supply
23	1	J8	SMA_UP	SMA Connector Top mounted	
24	6	R1,R2,R3,R4,R5,R6	220		
25	3	R7,R31,R32	DNI	SMD Resistor 0603	DO NOT INSTALL
26	1	R8	220	16 Pin SMD R-Pack	

27	1	R9	51	SMD Resistor 0603	
28	2	R12,R10	470	SMD Resistor 0603	2 dB pad
29	1	R11	12	SMD Resistor 0603	2 dB pad
30	6	R13,R14,R15,R16,R17,R18	10K		
31	2	R27,R19	100	SMD Resistor 0805	
32	2	R24,R20	120	SMD Resistor 0805	
33	2	R25,R21	390	AVX Chip Resistor 0603	
34	2	R22,R23	100	SMD Resistor 0805	Low pass filter (with C31,C32)
35	3	R26,R28,R29	16	SMD Resistor 0805	Power splitter
36	4	R30,R33,R34,R35	DNI	SMD Resistor 0805	DO NOT INSTALL
37	2	R36,R37	DNI	AVX Chip Resistor 0603	DO NOT INSTALL
38	6	S1,S2,S3,S4,S5,S6	SW DIP-8		
39	13	X1,TP1,X2,TP2,X3,TP3,X4, TP4,X5,TP5,X6,X7,X8	T POINT A	Test Point	
40	1	U1	PLCC68 Socket	Digikey PN ED80012-ND	
41	1	U2	AD797	Ultra Low Noise OP	
42	1	Y1	VCO2 (1.8GHz-2.2GHz)	MW520 VCO	
43	1	Y2	VCO1 (2GHz-3.2GHz)	M3500-2032 VCO	DO NOT INSTALL
44	1	Y3	20MHz	Vectron TCXO OSC-3B0-20MHz	
45	1	Y4	VCO3 (6.5 GHz-6.63GHz)	V965ME01	DO NOT INSTALL
46	1	101/0160~01A		68 Lead PLL EK PCB	

102/0216

Revision: 01A