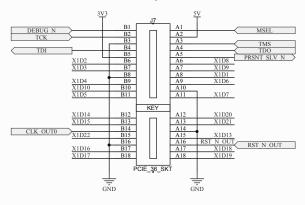
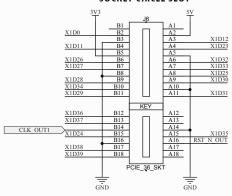


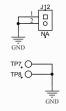
SOCKET SQUARE SLOT



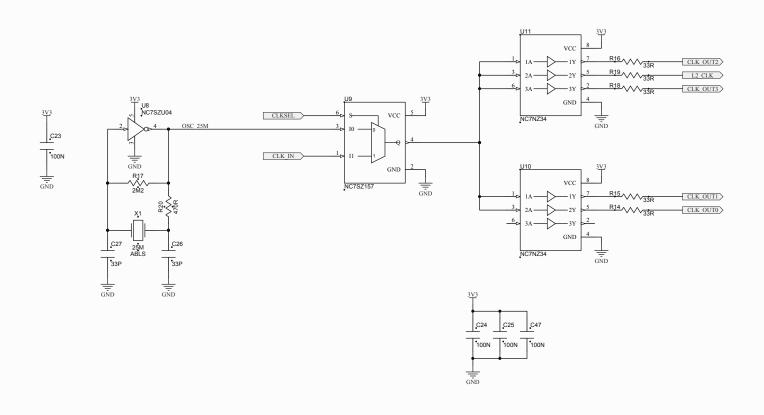
SOCKET CIRCLE SLOT



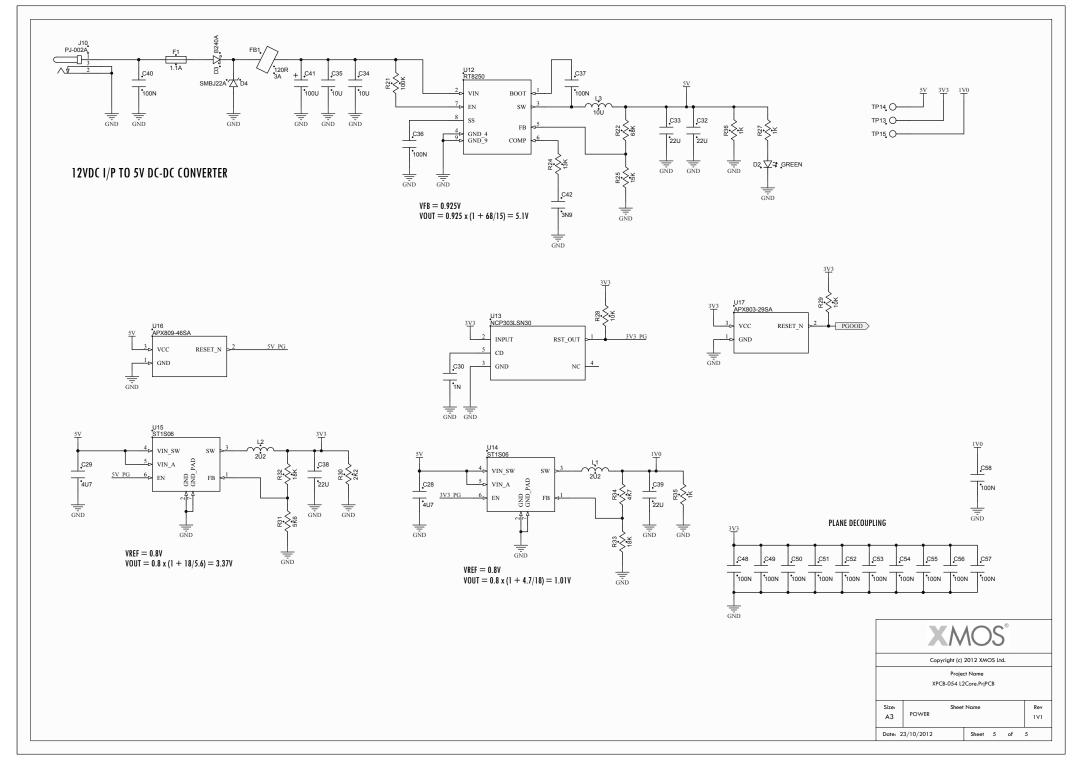












BOM

Slicekit L2 Core Board

XPCB-054 L2Core.PrjPCB

Source Data From: Project:

XPCB-054 L2Core.PrjPCB

XMOS°

	Project: Variant:		XPCB-054 L2Core.PrjPCB None	XMUS
	Report Date:	23/10/2012	12:09:06	
	Print Date: LibRef	23-Oct-12	12:09:15 PM	0
- 1	E-01-0001	Designator R1, R27, R35, R36	Description RES 1k 0603 1%	Quantity
2	E-01-0002	R2, R3, R4, R6, R8, R11, R12, R13, R28, R29	RES 10k 0603 1%	
	E-01-0008	R9, R10, R14, R15, R16, R18, R19, R23	RES 33R 0603 1%	
	E-01-0012	R39	RES 0R 0603 1%	
5	E-01-0013 E-01-0017	R37, R40 R31	RES 0603 No Fit RES 5.6k 0603 1%	
	E-01-0021	R34	RES 4.7k 0603 1%	
8	E-01-0022	R20	RES 470R 0603 1%	
9	E-01-0027 E-01-0032	R26, R30 R21	RES 2.2k 0603 1% RES 100k 0603 1%	
10	E-01-0032 F-01-0034	R21 R22	RES 100K 0603 1% RES 68k 0603 1%	
12	E-01-0035	R17	RES 2.2M 0603 5%	
13	E-01-0050	R7, R32, R33	RES 18k 0603 1%	
	E-01-0115	R24	RES 13k 0603 1%	
15 16	E-01-0116	R25	RES 15k 0603 1%	
	E-01-0158 E-01-0220	R5 R38	RES 2.2R 0402 5% RES 100K 0402 1%	
	E-02-0001	C1	MLCC 1uF 0402 X5R 6.3V	
19	E-02-0002	C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C14, C15, C17, C18, C19, C20, C23, C24, C25, C31, C36, C37, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58	MLCC 100nF 0402 X7R 16V	
20	E-02-0003	C57, C56	MLCC 10nF 0402 X7R 50V	
21	E-02-0004	C38, C39	MLCC 22uF 0805 X5R 6.3V	
22	E-02-0008	C26, C27	MLCC 33pF 0402 COG 50V	
	E-02-0015 E-02-0021	C41 C28, C29	Al Elec 100uF 16V CaseD SMD MLCC 4.7uF 0805 X5R 10V	
25	E-02-0021	C13, C16, C21, C22	AI Bec 47uF 16V CaseC SMD	
	E-02-0037	C32, C33	MLCC 22uF 1206 X5R 16V	
	E-02-0039	C34, C35	MLCC 10uF 1206 X5R 25V	
28	E-02-0043	C40	MLCC 100nF 0603 X7R 50V	
9	E-02-0056 E-02-0061	C42 C30	MLCC 3.9nF 0402 X7R 50V MLCC 1nF 0402 X7R 50V	
31	E-03-0021	U7	Memory, Flash, SPI, 16Mb (8Kx256), SOIC-8W	
32	E-04-0050	J10	DC Pow er Jack, 5.5mm x 2.1mm, 2.5A, Through Hole	
33	E-04-0058	J1	PCIe Edge Connector Plug, x1, 36 Pin, DNF	
34 35	E-04-0067	J2, J3, J6, J7	PCIe End Fire Socket, x1, 36 Pin, SMD	
35 36	E-05-0019 E-05-0028	U12 U14, U15	DC-DC Buck Converter, Adjustable, 3A, SOIC8 DC-DC Buck Converter, 1.5A, 1.5MHz, DFN6	
37	E-07-0019	X1	Crystal, 25MHz, HC49/US SMD, Fundamental, 18pF, Tol.	
			±30ppm, Stab. ±50ppm Ferrite Bead, 120R AT 100MHz, 0805, 3A	
88	E-08-0006 F-09-0005	FB1	Power Inductor, 2.2uH, 2.7A, 44mR DCR	
40	E-09-0013	L3	Power Inductor, 10uH, 3.1A, 44mR DCR	
1	E-10-0021	D3	Schottky Diode, 40V, 2A, SMA	
2	E-10-0022	D4	Unidirectional Transient Protection Diode, 22V Stand-Off, 600W SMB	
13	E-10-0028	Q1, Q2	MOSFET, ESD Protected, N-Channel, Logic Level, 60V, 300mA, SOT23	
14	E-11-0009	U3	XMOS XS1-L2 Processor, 124QFN, 500MHz	
5	E-12-0001	D2	LED, GREEN, 0603	
7	E-13-0009	U4, U9	2-Input Multiplexer, UHS Series, SC70	
7	E-13-0014 E-13-0021	U10, U11 U8	Triple Logic Buffer, UHS Series, US8 Unbuffered Inverter, UHS Series, SOT-23-5	
	E-13-0025	U13	Voltage Detector, 3.0V, Programmable Delay, SOT23-5	
50	E-13-0026	U1, U2	Dual Logic Buffer, Open Drain Output, UHS Series, SC70	
	E-13-0099	U6		
		o.	Quad 1-of-2 Multiplexer/Demultiplexer, Bus Sw itch, CBTLV Series, TSSOP16	
	E-13-0103	U5	Triple Logic Buffer, Schmitt Trigger, UHS Series, US8	
53	E-13-0104	U16	Microprocessor Reset Circuit, 4.6V, Active Low, Push Pull. SOT23	
54	E-13-0106	U17	Microprocessor Reset Circuit, 2.9V, Active Low, Open	
55	E-13-0108	U18	Drain, SOT23 Dual D-type flip-flop with set and reset, p.e. trig,	
56	E-14-0002	MTH1, MTH2, MTH3, MTH4	TSSOP14 Mounting Hole, Plated, for M3 Screw, 6mm Dia	
7	E-14-0013	MECH1	Layer Registration Check Decal, 4 Layer Board	
8	E-14-0014	MECH2, MECH3, MECH4, MECH5,	Mounting Hole, Non Plated, 2.8mm Dia	
a	F-15-0002	MECH6 J11, J12	Single Row Male Pin Header, 2 Pin, 0.1" Pitch, THT	
	E-15-0002	FM1, FM2, FM3	Fiducial, 1.5mm dot, 3mm keepout	
30	E-15-0032	TP13, TP14, TP15	Through Hole Testpoint, Compact, 1.8mm Loop, Red	
1		TP1, TP2, TP7, TP8	Through Hole Testpoint, Compact, 1.8mm Loop, Black	
1	E-15-0033			
61 62 63	E-15-0042	J4, J8	Dual Row Male Pin Header, 20 Pin, 0.1" Pitch, THT	
62 63 64	E-15-0042 E-15-0043	J4, J8 J5, J9	Dual Row Male Pin Header, 24 Pin, 0.1" Pitch, THT	
61 63 64 65	E-15-0042	J4, J8		