



BOM

SliceKit SU1 Core Board

Source Data From:

Project:

Variant:

SLICEKIT CORE SU1.SchDoc

XPCB059.PrjPCB

None



Report Date: 14/01/2013

17:15:53

Print Date: 14-Jan-13

5:15:58 PM

#	LibRef	Designator	Description	Quantity
1	E-01-0001	R3	RES 1k 0603 1%	1
2	E-01-0002	R4, R6, R7, R8	RES 10k 0603 1%	4
3	E-01-0004	R9	RNET 33R 0603x4 5%	1
4	E-01-0012	R5	RES 0R 0603 1%	1
5	E-01-0013	R10, R11	RES 0603 No Fit	2
6	E-01-0266	R1	Rotary Potentiometer, 10k, Vertical, Sleeve, No Detent	1
7	E-01-0267	R2	RNET 0603x4 NO FIT	1
8	E-02-0002	C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C22, C23, C24	MLCC 100nF 0402 X7R 16V	15
9	E-02-0004	C17, C18	MLCC 22uF 0805 X5R 6.3V	2
10	E-02-0008	C19, C20	MLCC 33pF 0402 COG 50V	2
11	E-02-0019	C21, C25	MLCC 2.2uF 0603 X5R 10V	2
12	E-02-0021	C1	MLCC 4.7uF 0805 X5R 10V	1
13	E-02-0031	C3, C4	Al Elec 47uF 16V CaseC SMD	2
14	E-02-0061	C2	MLCC 1nF 0402 X7R 50V	1
15	E-03-0013	U5	Memory, Flash, SPI, 4Mb (2Kx256), SOIC-8	1
16	E-04-0018	J1	USB Series B Receptacle, Through Hole	1
17	E-04-0022	J2	IDC Boxed Header, Right Angle, PCB Mount, Polarised, 20 Way, 2x10, 0.1" Pitch	1
18	E-04-0067	J3, J4	PCIe End Fire Socket, x1, 36 Pin, SMD	2
19	E-05-0006	U4, U6	Voltage regulator, LDO, Fixed, 3.3V, 150mA	2
20	E-07-0030	X1	Crystal, 24MHz, HC49/US SMD, Fundamental, 18pF, Tol. ±30ppm, Stab. ±50ppm	1
21	E-08-0002	FB1	Ferrite Bead, 330R AT 100MHz, 0603, 1.7A	1
22	E-09-0011	L1, L2	Power Inductor, 4.7uH, 0.7A, 260mR DCR	2
23	E-10-0027	D2	2-Channel ESD Protection Diode, 1.5pF, SOT-533	1
24	E-11-0012	U3	XMOS XS1-SU1 Processor, 96BGA, 500MHz	1
25	E-12-0001	D1	LED, GREEN, 0603	1
26	E-13-0006	U1	Logic Buffer, Tri-State, UHS Series, SC70	1
27	E-13-0009	U2	2-Input Multiplexer, UHS Series, SC70	1
28	E-14-0002	MTH1, MTH2, MTH3, MTH4	Mounting Hole, Plated, for M3 Screw, 6mm Dia	4
29	E-14-0014	MECH1, MECH2	Mounting Hole, Non Plated, 2.8mm Dia	2
30	E-15-0002	J5	Single Row Male Pin Header, 2 Pin, 0.1" Pitch, THT	1
31	E-15-0004	FM1, FM2, FM3	Fiducial, 1.5mm dot, 3mm keepout	3
32	E-15-0028	J8	Dual Row Male Pin Header, 10 Pin, 0.1" Pitch, THT	1
33	E-15-0033	TP1, TP2	Through Hole Testpoint, Compact, 1.8mm Loop, Black	2
34	E-15-0042	J6	Dual Row Male Pin Header, 20 Pin, 0.1" Pitch, THT	1
35	E-15-0043	J7	Dual Row Male Pin Header, 24 Pin, 0.1" Pitch, THT	1
36	E-15-0045	TP3, TP4	Through Hole Testpoint, Compact, 1.8mm Loop, DNP	2
37	E-16-0003	SW1	Tactile Switch, Momentary, SMD, J Bend	1
38	P-01-0011	PROD1, PROD2, PROD3, PROD4	Feet, Nylon, M3, 6mm Standoff	4
Approved			Notes	74