3V3 U1 SP3222EB 3V3
TXD 0 13 T1IN T1OUT 17 232 TXD 0
TXD 1 12 T2IN T2OUT 8 232 TXD 1
RXD 0 15 R1OUT R1IN 16 232 RXD 0
RXD 1 10 R2OUT R2IN 9 232 RXD 1
232 RX EN N 1 EN_N VCC 19
20 SHDN_N GND 18
2 C1+ V+ 3 232 CP VP
4 C1- V- 7
5 C2+ NC 11
6 C2- NC 14
C1 C2 C7 C8
100N 100N 100N 100N
GND GND GND

3V3 U2 SP3222EB 3V3
TXD 2 13 T1IN T1OUT 17 232 TXD 2
TXD 3 12 T2IN T2OUT 8 232 TXD 3
RXD 2 15 R1OUT R1IN 16 232 RXD 2
RXD 3 10 R2OUT R2IN 9 232 RXD 3
232 RX EN N 1 EN_N VCC 19
20 SHDN_N GND 18
2 C1+ V+ 3
4 C1- V- 7
5 C2+ NC 11
6 C2- NC 14
C10 C9 C11 C12
100N 100N 100N 100N
GND GND GND

3V3 U3 SP3222EB 3V3
TXD 4 13 T1IN T1OUT 17 232 TXD 4
TXD 5 12 T2IN T2OUT 8 232 TXD 5
RXD 4 15 R1OUT R1IN 16 232 RXD 4
RXD 5 10 R2OUT R2IN 9 232 RXD 5
232 RX EN N 1 EN_N VCC 19
20 SHDN_N GND 18
2 C1+ V+ 3
4 C1- V- 7
5 C2+ NC 11
6 C2- NC 14
C14 C13 C15 C16
100N 100N 100N 100N
GND GND GND

3V3 U4 SP3222EB 3V3
TXD 6 13 T1IN T1OUT 17 232 TXD 6
TXD 7 12 T2IN T2OUT 8 232 TXD 7
RXD 6 15 R1OUT R1IN 16 232 RXD 6
RXD 7 10 R2OUT R2IN 9 232 RXD 7
232 RX EN N 1 EN_N VCC 19
20 SHDN_N GND 18
2 C1+ V+ 3
4 C1- V- 7
5 C2+ NC 11
6 C2- NC 14
C18 C17 C19 C20
100N 100N 100N 100N
GND GND GND

232 CP VP
R4 330R R3 330R
J2 1734351-1
232 TXD 0 R5 DE9 DTR 5 DE9 CTS R8 232 RXD 2
232 RXD 0 R6 0R DE9 TXD 3 DE9 RTS R7 DNP 232 TXD 2
DE9 RXD 0R
GND

3V3
C21 C3 C4 C5 C6 C22
4U7 100N 100N 100N 100N 100N
GND

3V3
X1
EN VCC 4
1 EN OUT 3 R2 33R CLK OUT
GND 2
CB3LV 1M8432
GND

J1
B1 A1
B2 A2
B3 A3
B4 A4
B5 A5
RXD 0 B6 A6 RXD 6
RXD 1 B7 A7 RXD 7
B8 A8
RXD 2 B9 A9 RXD 4
B10 A10
RXD 3 B11 A11 RXD 5
KEY
TXD 0 B12 A12 TXD 6
TXD 1 B13 A13
B14 A14
B15 A15 CLK OUT
B16 A16
TXD 2 B17 A17 TXD 4
TXD 3 B18 A18 TXD 5
PCIE_36_FINGER
GND GND
MECH1
NPTH_2MM8

3V3 J3
TXD 0 1 2 RXD 0
TXD 1 3 4 RXD 1
TXD 2 5 6 RXD 2
7 8
TXD 3 9 10 RXD 3
TXD 4 11 12 RXD 4
13 14
15 16
TXD 5 17 18 RXD 5
TXD 6 19 20 RXD 6
21 22
TXD 7 23 24 RXD 7
25 26 232 RX EN N
HEADER_2x13
GND GND R1 10K
GND

3V3 J4
232 TXD 0 1 2 232 RXD 0
232 TXD 1 3 4 232 RXD 1
232 TXD 2 5 6 232 RXD 2
7 8
232 TXD 3 9 10 232 RXD 3
232 TXD 4 11 12 232 RXD 4
13 14
15 16
232 TXD 5 17 18 232 RXD 5
232 TXD 6 19 20 232 RXD 6
21 22
232 TXD 7 23 24 232 RXD 7
25 26
HEADER_2x13
GND GND

MTH1 PTH_M3
MTH2 PTH_M3
MTH3 PTH_M3
MTH4 PTH_M3
PTH_M3
GND

FM1 FIDUCIAL
FM2 FIDUCIAL
FM3 FIDUCIAL

PROD1 PCB FEET 6MM
PROD2 PCB FEET 6MM
PROD3 PCB FEET 6MM
PROD4 PCB FEET 6MM

Project Name
XPCB-056_XA-SK-UART-8.PrjPCB

Size	Sheet Name	Rev
A3	Multi UART Slice	1V1

Date 07/12/2012 Sheet 1 of 1

BOM

Multi UART Slice

XMOS®

Report Date:	07/12/2012	13:11:16
Print Date:	07-Dec-12	1:11:19 PM

#	LibRef	Designator	Description	Quantity
1	E-01-0002	R1	RES 10k 0603 1%	1
2	E-01-0008	R2	RES 33R 0603 1%	1
3	E-01-0010	R3, R4	RES 330R 0603 1%	2
4	E-01-0012	R5, R6	RES 0R 0603 1%	2
5	E-02-0002	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C22	MLCC 100nF 0402 X7R 16V	21
6	E-02-0005	C21	MLCC 4.7uF 0603 X5R 6.3V	1
7	E-04-0071	J2	D-Subminiature Connector, 9 pin, Male, Right Angle, US Footprint, with screw locks	1
8	E-04-0073	J3, J4	Male Header, Unshrouded, 26 Way, 2x13, 0.1" Pitch	2
9	E-07-0032	X1	Crystal Oscillator, 3.3V, 1.8432MHz, 7x5mm SMD, Overall Stab. ±50ppm	1
10	E-13-0102	U1, U2, U3, U4	RS232 2 Tx/2 Rx, With Charge Pump, ESD Protected, 250kbps, 3V-5.5V, TSSOP20	4
11	P-01-0011	PROD1, PROD2, PROD3, PROD4	Feet, Nylon, M3, 6mm Standoff	4
Approved			**Notes**	**40**