

8/18/2009		Rev:3.0		USB-UART 1-Channel Evaluation Board				
			Revised: 9/24/2009					
Common parts								
Sr#	Qty/Brd	Ref Designator	Value	Description	Size	Manufacturer	Mfr Part#	Digikey Part#
2	1	CON2	USB B-Type Connector	CONN USB JACK TYPE B HORIZON R/A	USB B TYPE	Tyco Electronics	292304-1	A31725-ND
3	1	CON3	DB9 Male	CONN DB9 MALE .318" R/A NICKEL	182-009-113R161	Norcomp Inc.	182-009-113R161	182-709ME-ND
4	1	CON4	ED555/4DS	TERMINAL BLOCK 3.5MM 4POS PCB	4DS	On Shore Technology Inc	ED555/4DS	ED1516-ND
5	1	C1	4u7-0603,6.3V	CAP CER 4.7UF 6.3V Y5V 0603	0603	Murata Electronics North America	GRM188F51A475ZE20D	490-3302-1-ND
6	1	C2	100p-0603	CAP CERAMIC 100PF 50V NP0 0603	0603	Kemet	C0603C101J5GACTU	399-1061-1-ND
8	13	C4,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17	100n-0603	CAP .10UF 10V CERAMIC X7R 0603	0603	Kemet	C0603C104K8RACTU	399-1095-1-ND
9	2	C3, C5	10u-0805, 10V	CAP CERM 10UF 10V X5R 0805	0805	Kemet	C0805C106K8PACTU	399-4925-1-ND
10	8	JP2,JP4,JP5,JP8,JP10,JP11,JP13,JP14	3x1 TH Header (M)	CONN HEADER 2MM SINGLE STR 9POS	2.00 MM pitch	Sullins Connector Solutions	PRPN031PAEN-RC	S5800-03-ND
11	1	JP3,	2x1 TH Header (M)	CONN HEADER 2MM SINGLE STR 9POS	2.00 MM pitch	Sullins Connector Solutions		S5800-02-ND
12	1	JP7	2x2 2mm TH Header (M)	CONN HEADER 4POS 2MM VERT PC MT	2.00 mm pitch	3M	951204-8622-AR	3M9172-ND
13	1	L1	2u2-1210	INDUCTOR 2.2UH 20% 600MA 1210	1210	Murata Electronics North America	LQH32CN2R2M23L	490-2494-1-ND
14	1	Q1	SI2333DS-T1-E3-SOT-23	MOSFET P-CH 12V 4.1A SOT-23	SOT-23	Vishay/Siliconix	SI2333DS-T1-E3	SI2333DS-T1-E3CT-ND
15	1	R1	1K-0603	RES 1.0K OHM 1/10W 5% 0603 SMD	0603	Yageo	RC0603JR-071KL	311-1.0KGRCT-ND
16	1	R2	450K-0603	RES 450K 0603 SMD	0603			
17	1	R3	100K-0603	RES 100K OHM 1/10W 5% 0603 SMD	0603	Yageo	RC0603JR-07100KL	311-100KGRCT-ND
18	11	R4,R7,R8,R10,R14,R19,R21,R22,R23,R25,R28	10K-0603	RES 10K OHM 1/10W 5% 0603 SMD	0603	Yageo	RC0603JR-0710KL	311-10KGRCT-ND
19	1	R5	40.2K-0603	RES 40.2K OHM 1/10W 1% 0603 SMD	0603			311-40.2KHRCT-ND
20	3	R6,R11,R12	0R-0603	RES 0.0 OHM 1/10W 5% 0603 SMD	0603	Yageo	RC0603JR-070RL	311-0.0GRCT-ND
21	2	R16,R17	120R-0603	RES 120 OHM 1/10W 5% 0603 SMD	0603	Yageo	RC0603JR-07120RL	311-120GRCT-ND
22	2	U2,U3	SN74LVC2G53DCTR-SM8	IC DUAL ANALOG MUX/DEMUX SM8	SM-8	Texas Instruments	SN74LVC2G53DCTR	296-13269-1-ND
23	1	U5	NC7SZ14M5X-SOT-23-5	IC INVERTER SCHMITT INPUT SOT-23	SOT-23	Fairchild Semiconductor	NC7SZ14M5X	NC7SZ14M5XCT-ND
24	1	U6	AT24C02B-PU	IC SRL EEPROM 2K 1.8V 8DIP	DIP-8	Atmel	AT24C02B-PU	AT24C02B-PU-ND
25			Dip 8 pin socket	DIP 8 pin Socket	IC SOCKET 8PIN MS TIN/TIN .300	Mill-Max Manufacturing Corp	110-44-308-41-001000	ED90048-ND
26	1	U8	SN74LVC2G66DCT	IC BILATERAL ANALOG SWITCH SM8	SM-8	Texas Instruments	SN74LVC2G66DCTR	296-13271-1-ND

27	1	SW1	PB SW	SWITCH, TACTILE, 6X6mm,SPST	6X6mm	MOUNTAIN SWITCH	101-0164-EV	101-0164-EV (Mouser)
28	7	TP1,TP2,TP3,TP4,TP5,TP6,TP7	Test Point	TEST POINT PC MINI .040"D YELLOW		Keystone Electronics	5004	5004K-ND
Provided by Exar								
	29	U1	SP6669-SOT-23-5L	1.5MHZ,600mA,SYNCHRONOUS step down converter				
	30	U4	XR21V1410IL16-QFN16		QFN-16			
	31	U7	SP3245ECY-L-TSSOP-28	3.0V to 5.5V RS-232 Transceivers with Auto On-Line® Plus	TSSOP-28			
	32	U9	SP3497-SOIC14					