

Sage Stock Number: UB
 Sage Description: UNKNOWN BOM
 BOM Ref: 1716
 BOM Desc: ASS: Your assembly name
 Customer Job Ref: Your assembly name
 Report Date: 21/09/2015 16:03:57

BOM Revision History: 1.0) INTRODUCED.

Build Comment:

Next Build Instructions:

Description	Qty	Location	Manf	Manf Part Num	Fitted	Comment
PACKING CARTON	0.020		TRADPOST LIMITED		YES	
ANTI-STATIC BAG	1.000		TRADPOST LIMITED		YES	
PCB: PC568I02	1.000				YES	
CAP CML 0603 3N9F COG NPO 50V 5%	2.000	C14,C15			YES	
CAP CML 0603 330NF X7R 16V 10%	3.000	C16,C17,C18	MURATA	GRM188R71C334K	YES	
CAP CML 1206 22PF COG NPO 50V 5%	1.000	C25			NO	
CAP TANT SMT CASE B 10UF 25V	4.000	C27,C33,C74,C75			NO	
CAP CML 0603 4N7F 10% 50V X7R	1.000	C36	MURATA	GRM188R71H472KA01D	YES	
CAP CML 0603 120PF COG NPO 50V 1%	1.000	C37	MURATA	GRM1885C1H121JA01D	YES	
CAP CML 0603 220NF X7R 10V 10%	1.000	C39	MURATA	GRM188R71A224KA01D	YES	
CAP ELEC CASE E 47UF 16V 85DEG 20%	1.000	C40			YES	
CAP CML 0603 10PF COG NPO 50V 5%	4.000	C44,C45,C77,C78			YES	
CAP ELEC SMD CAN 100UF 16V D:6.3MM H:7MM 20%	2.000	C46,C47			YES	
CAP CML 0805 15UF X5R 6V3 20%	2.000	C48,C62	TDK	C2012X5R0J156M085	YES	
CAP CML 0603 1NF X7R 50V 10%	2.000	C49,C50			YES	
CAP ELEC SMD CAN 47UF 50V 20%	4.000	C54,C64,C82,C83	NICHICON	UCW1H470MNL1GS	YES	
CAP CML 0603 100NF X7R 50V 10%	1.000	C55			YES	
CAP CML 0603 1NF X7R 100V 10%	1.000	C56			YES	
CAP CML 0603 2N7F 10% 50V X7R	1.000	C70	MURATA	GRM188R71H272KA01D	YES	
CAP CML 0603 150PF COG NPO 50V 10%	1.000	C71	MURATA	GRM1885C1H151JA01D	YES	
CAP CML 0603 100NF X7R 50V 10%	1.000	C80	MURATA	GRM188R71H104KA93	YES	
DCON FEMALE USB TYPE AB 90DEG	1.000	CN01	MOLEX	SD-47589-001	YES	
HEADER PIN 2WAY 90DEG P:5.08MM	1.000	CN02	WEIDMULLER	SL 5.08/2/90B4.5 -1514960000	YES	
HEADER PIN 2WAY P:2.54MM	1.000	CN04	MOLEX	70551-0001	YES	
HEADER 2X5WAY 90DEG P:4.2MM AND P:5.5MM	2.000	CN06,CN09	MOLEX	39-30-0100	YES	
DIODE ZENER SOT23 18V 350MW 5%	3.000	D1,D19,D31	FAIRCHILD	BZX84-C18	YES	
DIODE SOD80 SMALL SIG 100V 0.2A	7.000	D10,D12,D13,D14,D17,D18,D23	FAIRCHILD	LL4148	YES	
DIODE SCHOTTKY D0214AA 2A 60V	1.000	D11	NOT APPLICABLE	SS26	YES	
DIODE SCHOTTKY D0214AC 1A 40V	1.000	D15	NOT APPLICABLE	SS14	YES	
LED 0805 RED 2V 20MCD	6.000	D16,D22,D24,D25,D26,D27	KINGBRIGHT	KPHCM-2012EC-T	YES	
IC SOIC8 VOLT REF 1.2V	1.000	D2	TEXAS INSTRUMENTS	LM285D-1.2	YES	
DIODE SCHOTTKY SOD128 40V 5A	1.000	D29	NXP	PMEG4050ETP	YES	
DIODE ZENER SOT23 350MW 3V3	1.000	D3	FAIRCHILD	BZX84C3V3	YES	
LED 0805 WHITE 400MCD	1.000	D30	MULTICOMP	OVS-0801	YES	
LED 0805 SUPER BRT RED 0.3CD 625NM	2.000	D4,D5	MULTICOMP	OVS-0808	YES	
LED 0805 TRUE-GREEN 400MCD	2.000	D6,D7	KINGBRIGHT	KPT-2012ZGC	YES	
DIODE SCHOTTKY SOT23 30V	5.000	D8,D9,D20,D21,D28	NXP	BAT54C	YES	
FERRITE BEAD 0805 0R04 3A	6.000	FB01,FB02,FB03,FB04,FB05,FB06	VISHAY	ILHB0805ER251V	YES	
IC SOIC8 OP AMP DUAL 16V 110KHZ	1.000	IC1	TEXAS INSTRUMENTS	TLC27L7CD	YES	
IC SC59 HALL SWITCH OMNIPOLAR	2.000	IC2,IC3	DIODES INCORPORATED	AH1801-WG-7	YES	
IC SOIC14 OP AMP QUAD LOW POWER	2.000	IC4,IC5	TEXAS INSTRUMENTS	LM324AD	YES	
IC SOT23-4 LDO REG ADJ	2.000	IC6,IC9	TEXAS INSTRUMENTS	LM317MDCY	YES	
IC TQFP32 MCU 8BIT AVR 8K FLASH	1.000	IC7	ATMEL	ATMEGA88A-AU	YES	
IC SOIC8 VR12 MOSFET DRIVER	1.000	IC8	ON-SEMI	NCP5901DR2G	YES	
LQFP64 32 BIT ARM CORTEX M3 72MHZ 128KB	1.000	IC10	ST MICROELECTRONICS	STM32F103R8T6	YES	
TERM SPADE PCB MOUNT VERT 4.75MM X 0.81MM	8.000	J12,J13,J14,J15,J16,J17,J18,J19	TE CONNECTIVITY	1-726388-2	YES	
WIRE RED 35MM 13AWG 5MM STRIP AT EACH END	1.000	J5			NO	TOTAL LENGTH 35MM. ONLY 30MM TO PROTRUDE FROM PCB
WIRE BLACK 35MM 13AWG 5MM STRIP AT EACH END	1.000	J6			NO	TOTAL LENGTH 35MM. ONLY 30MM TO PROTRUDE FROM PCB
HEADER PIN VERT 2X3WAY 2.54MM	1.000	J7	TE CONNECTIVITY	826925-3	YES	
DO NOT FIT	2.000	J8,J9			NO	
FERRITE BEAD 1812 0.035OHM 4A	1.000	L1	WURTH ELECTRONIK	74279252	YES	
IND 2PIN 220UH 20MM X 10MM 20%	1.000	L2	BOURNS	2100LL-221-H-RC	YES	
IND 4U7H	4.000	L01,L02,L03,L04	COILCRAFT	1812PS-0472K	YES	
IND 39UH	1.000	L05	COILCRAFT	MSS1260-393ML	YES	
IND 22UH	1.000	L07	COILCRAFT	MSS1260-223ML	YES	
IND 22UH	1.000	L09	BOURNS	SRF0703-220M	YES	
LED SMD 2.3 X 1.3 X 1.4MM SUPER RED	3.000	LD01,LD04,LD05	VISHAY	VLMS20J2L1-GS08	YES	
LED SMD 2.3 X 1.3 X 1.4MM SOFT ORANGE	1.000	LD02	VISHAY	VLMO20J2M1-GS08	YES	
LED SMD 2.3 X 1.3 X 1.4MM PURE GREEN	1.000	LD03	VISHAY	VLMP20D2G1-GS08	YES	
RES THK FLM 1206 0R 0.125W 200PPM	3.000	LK01,LK04,LK06			YES	
FUSE RESETTABLE PTC 33V 1.85A 2920	1.000	PS01	BOURNS	MF-LSMF185/33X-2	YES	
TRANS SOT23 NPN 45V	15.000	Q1,Q2,Q5,Q6,Q7,Q8,Q9,Q10,Q11,Q12,Q13,Q14,Q22,Q24,Q26	NXP	BC847C	YES	
TRANS MOSFET SOT23 N CH 60V	4.000	Q20,Q21,Q23,Q28	FAIRCHILD	2N7002	YES	
TRANS MOSFET POFN N CH 40V 85A	5.000	Q29,Q30,Q31,Q35,Q36	INTERNATIONAL RECTIFIER	IRFH7440TRPBF	YES	
TRANS MOSFET D-PAK N CH 28A	3.000	Q32,Q33,Q34	INTERNATIONAL RECTIFIER	IRLR2705PBF	YES	
RES THK FLM 0805 10K 0.125W 1%	43.000	R01,R03,R13,R14,R15,R16,R17,R18,R26,R27,R28,R29,R30,R31,R36,R37,R38,R44,R45,R51,R52,R53,R54,R57,R58,R59,R60,R61,R62,R63,R66,R67,R68,R70,R71,R72,R73,R77,R87,R91,R93,R94,R97			YES	
RES 2512 METAL STRIP 0R003 3W 1%	1.000	R1	TE CONNECTIVITY	TLR3A30DR003FTDG	YES	
RES THK FLM 0805 4K7 0.125W 1%	2.000	R04,R05			YES	
RES THK FLM 0603 249K 75VDC 0.1W 1% 100PPM	2.000	R06,R09			YES	
RES THK FLM 0603 51K 150VDC 0.2W 1% 200PPM	2.000	R07,R08			YES	
RES THK FLM 1206 18R 0.25W 2%	1.000	R11			YES	
RES THK FLM 0603 10M 0.1W 1%	2.000	R11,R14			YES	

RES THK FLM 0603 27K 0.1W 1%	1.000	R112			YES
RES THK FLM 2512 0R1 2W 5%	1.000	R115			YES
RES THK FLM 0603 220K 0.1W 1%	2.000	R12,R13			YES
RES THK FLM 0805 47K 0.125W 1%	2.000	R21,R40			YES
RES THK FLM 0603 470R 0.1W 1%	10.000	R22,R75,R76,R99,R111,R116,R117,R118,R119,R120			YES
RES THK FLM 0603 2K2 0.1W 1%	13.000	R29,R30,R31,R32,R33,R34,R35,R36,R37,R39,R74,R102,R113			YES
RES THK FLM 0603 10K 0.1W 1%	47.000	R3,R4,R18,R21,R24,R25,R26,R27,R28,R38,R45,R46,R47,R48,R49,R50,R51,R52,R53,R54,R55,R56,R57,R58,R59,R60,R61,R62,R63,R64,R66,R68,R69,R70,R71,R72,R78,R83,R84,R87,R90,R92,R98,R103,R105,R110,R114			YES
RES THK FLM 0805 1K 0.125W 1%	4.000	R33,R35,R46,R74			YES
RES THK FLM 0805 390R 0.125W 1%	1.000	R39			YES
RES THK FLM 1206 82R 0.25W 1%	5.000	R40,R41,R42,R43,R44			YES
RES THK FLM 0603 4K7 0.1W 1%	1.000	R42			YES
RES THK FLM 0805 10R 0.125W 1%	2.000	R43,R88			YES
RES THK FLM 0603 110R 0.1W 1%	1.000	R47			YES
RES THK FLM 0603 4K3 1%	1.000	R48			YES
RES THK FLM 0603 1K05 1%	1.000	R49			YES
RES THK FLM 0603 3M9 0.1W 1%	1.000	R5			YES
RES THK FLM 0603 110K 1%	2.000	R50,R85			YES
RES THK FLM 0603 330K 0.1W 1%	1.000	R6			YES
RES THK FLM 1206 18R 0.25W 2%	1.000	R65			YES
RES THK FLM 0603 820R 0.1W 1%	1.000	R65			YES
RES THK FLM 0603 270R 0.1W 1%	2.000	R67,R104			YES
RES THK FLM 1206 1K 0.5W 1%	1.000	R7			YES
RES THK FLM 0603 3K3 0.1W 1%	1.000	R73			YES
RES THK FLM 0805 2K2 0.125W 1%	4.000	R75,R76,R92,R96			YES
RES THK FLM 0603 100R 0.1W 1%	5.000	R77,R106,R107,R108,R109			YES
RES THK FLM 0603 1M 0.1W 1%	8.000	R8,R10,R15,R16,R17,R19,R123,R124			YES
RES THK FLM 0603 220R 0.1W 1%	3.000	R80,R81,R82			YES
RES THK FLM 0603 5K1 1%	1.000	R81			YES
RES THK FLM 0603 180R 0.1W 1%	1.000	R82			YES
RES THK FLM 0603 3K 0.1W 1%	1.000	R83			YES
RES THK FLM 0603 698R 1%	1.000	R84			YES
RES THK FLM 0603 4K7 0.1W 1%	4.000	R85,R86,R93,R121			YES
RES THK FLM 1206 4K7 0.25W 1%	1.000	R88			YES
RES THK FLM 1206 47K 0.25W 1%	1.000	R89			YES
RES THK FLM 0603 10R 0.1W 1%	2.000	R89,R101			YES
RES THK FLM 0603 1M8 0.1W 1%	1.000	R9			YES
RES THK FLM 1206 47R 0.25W 1%	1.000	R91			YES
RES THK FLM 0603 3R3 0.1W 1%	3.000	R94,R97,R100			YES
RES THK FLM 0805 390R 0.125W 1%	1.000	R95			YES
RES THK FLM 1206 3R3 0.25W 1%	1.000	R96			YES
REG HSOP8 STEP DOWN SWITCHING	2.000	REG01,REG02	ST MICROELECTRONICS	A7985A	YES
XTAL 10MHZ SMD 11.4MM X 4.9MM	2.000	RES01,RES02	IQD FREQUENCY PRODUCTS	XTAL003166	YES