

ronics Electron	Accutronics Sage PN	Designator	Quantity	DESC	Manufacturer	ManufacturerPN	Alt1Manufacturer	Alt1ManufacturerPN	Alt2Manufacturer	Alt2ManufacturerPN	Alt3Manufacturer	Alt3ManufacturerPN
1030-10037		C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C22, C23	12	CAPACITOR 0603 X7R 10% 50V 100nF	AVX	06035C104KAZ2A	Murata	GRM188R71H104KA9 3D	TDK	C1608X7R1H104KT		
1030-10030		C11, C12	2	CAPACITOR 1206 X7R 10% 50V 2.2uF	Murata	GRM31CR71H225KA8 8L	Kemet	C1206C225K5RAC				
1030-10048		C13, C14, C15, C16, C17, C18, C19	7	CAPACITOR 0402 X7R 10% 25V 47nF	Murata	GRM155R71E473KA8 8D	TDK	C1005X7R1E473K	Kemet	C0402C473K3RAC		
1030-10044		C20, C21	2	CAPACITOR 1206 X7R 10% 50V 1uF	Murata	GRM31CR71H105KA6 1L	Kemet	C1206F105K5RACTU	AVX	12065C105KAT2A		
1050-10026		D1	1	DIODE SMB TRANSIL 30V 600W SMBJ30A	ST Microelectronics	SMBJ30A-TR	On Semiconductor	1SMB30AT3G	Vishay General Semiconductor	SMBJ30A-E3		
1050-10014		D2	1	DIODE SOT23 ZENER 5% 4V7 225mW BZX84C4V7	Fairchild Semiconductor	BZX84C4V7	Philips Semiconductor	BZX84-C4V7 T/R	On Semiconductor	BZX84C4V7LT1G		
1050-10025		D3, D4	2	DIODE SOD323 ZENER 2% 18V 0.2W BZX384-B18	NXP Semiconductors	BZX384-B18	Fairchild Semiconductor	MM3Z18VB	Rohm	UDZSTE-1718B		
1150-10011		F1	1	FUSE TH G5 THERMAL 128degC	Thermidisc	G5A101128C						
1130-10008		L1, L2, L3, L4, L5, L6	6	FERRITE 0402 600R@100MHz 1R 200mA	Murata	BLM15AG601SN1						
1090-10005		P1	1	CONNECTOR HEADER SMT 3MM 10WAY	Molex	43650-1012						
1090-10050		P2	1	CONNECTOR CONTACT (STD) SMT 4MM 4WAY	Bourns	70ADJ-4-FL0	Bourns	70ADJ-4-FL0G				
1400-10010		PCB1	1	PCB LEGEND v3 PCB 2 LAYER, FR4, 1oz, 64x.28mm	unknown	unknown						
1110-10003		Q1, Q2	2	MOSFET SOT23 P-CHAN 130mA 50V BSS84	On Semiconductor	BSS84LT1G	Diodes Inc	BSS84	Philips Semiconductor	BSS84 T/R	Fairchild Semiconductor	NDS0605
1110-10066		Q3, Q4, Q5, Q6	4	MOSFET SO8 P-CHAN 13A 30V Si4425DDY	Vishay Siliconix	Si4425DDY-T1-GE3						
1010-10046		R1, R2, R3, R4, R6, R9, R10, R11, R12, R14	10	RESISTOR 0603 1% 0.1W 5K6	Yageo Corporation	RC0603FR-075K6L	TT-Welwyn	WCR0603-5K6FI				
1010-10073		R5, R8	2	RESISTOR 0603 1% 0.1W 1MEG	Yageo Corporation	RC0603FR-071ML	TT-Welwyn	WCR0603-1M0FI				
1010-10041		R7, R18, R19, R20, R21, R22, R23, R24	8	RESISTOR 0603 1% 0.1W 2K2	Yageo Corporation	RC0603FR-072K2L	TT-Welwyn	WCR0603-2K2FI				
1010-10021		R13, R17	2	RESISTOR 0603 1% 0.1W 47R	Yageo Corporation	RC0603FR-0747RL	TT-Welwyn	WCR0603-47RFI				
1011-10018		R15, R16	2	RESISTOR 2512 1% 2W 0R027	KOA	TLRH3AWTTE27L0F	Vishay Dale	W/SL2512R0270FEA				
1070-10159		U1	1	IC TSOc6 1024-Bit 1-Wire EEPROM DS2431P-A1+	Maxim/Dallas	DS2431P-A1+	Maxim/Dallas	See note 6 DS2431P-A1+T				
1070-10023		U2, U3	2	IC TSSOP16 LHON 3S/4S PROTECTION S-8254AAEFT-TB-G	Seiko Instruments	S-8254AAEFT-TB-G						

Not Fitted	C24
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- NOTES:**
1. No deviation from this BOM is allowed without written approval by **Anthony Robinson** at Accutronics Ltd
 2. All components to be RoHS compliant
 3. PCB assembly process must be RoHS compliant
 4. PCB assembly to IPC-A-610D class 3
 5. Difference between G1 and G2 is that U1 is fitted for G2 PCBAs (not fitted on G1)
 6. **ONLY DIE REVISION B2 TO BE USED FOR IC U1**

Revision History	Date	Changes
1.0	27/05/2015	Initial Release