



Assembly PN: 1013527 Rev 4

Bill of Materials

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BOM REPORT

Part Number 1013527

Part Description ASSEMBLY, PCB, OMAP-L138 BASEBOARD

Part Revision 4

Part Number	Rev	Qty	Ref Des	Item Description	Initial MFG Name	Initial MFG Part Number
1013527	4			ASSEMBLY, OMAP-L138 BASEBOARD		
1013548	B	0		ASSEMBLY DRAWING, OMAP-L138 BASEBOARD		
1013551	A	7		BUMPON, HEMISPHERE, 0.44X0.20, BLACK	3M	SJ-5003 Black
1002396	A	10	C8-C13, C18, C20, C22, C24	CAP, CERAMIC, 0.1UF, 16V, X5R, 0402	AVX	0402YD104KAT2A
1003323	A	29	C1, C2, C7, C15, C26, C39, C44, C49, C50, C52-C56, C59-C61, C63-C65, C69, C71, C73, C76-C80, C82	CAP, CERAMIC, 0.1UF, 16V, Y5V, 0402	Panasonic	ECJ-0EF1C104Z
1004553	A	4	C3-C6	CAP, CERAMIC, 0.47UF, 10V, 10%, X5R, 0603	Panasonic	ECJ-1VB1A474K
1002394	B	5	C19, C21, C23, C25, C81	CAP, CERAMIC, 1000PF, 50V, X7R, 0402	Yageo America	04022R102K9B20D
1007974	A	1	C75	CAP, CERAMIC, 4.7UF, 25V, X5R, 0805	Murata	GRM21BR61E475KA12L
1003713	A	2	C57, C58	CAP, CERAMIC, 47PF, 50V, NPO, 0402	Panasonic	ECJ-0EC1H470J (RoHS)
1003708	A	6	C28, C29, C41, C43, C46, C72	CAP, TANTALUM, 150UF, 10V, 6032	Kemet	T494C157K010AT
1001332	B	7	C14, C17, C27, C40, C42, C45, C51	CAP, TANTALUM, 22UF, 10V, 3528	Panasonic	ECS-T1AX226R
1002487	A	1	J16	CONNECTOR, BARREL JACK, 2.5MM, PWRJACK	Switchcraft	RAPC712X
1012591	A	2	J11, J12	CONNECTOR, BARREL JACK, 3.5MM, AUDIO JACK, STEREO	CUI STACK	SJ-3523-SMT
1003734	A	1	P1	CONNECTOR, DB-9, MALE	Amp	5747250-4
1003741	A	1	J22	CONNECTOR, HEADER, MALE, 0.100IN, 14PIN	Sullins	PTC07DAAN (RoHS)
1002991	A	1	J23	CONNECTOR, HEADER, MALE, 0.100IN, 20PIN, 2X10	Pinrex Enterprise Co., Ltd.	210-72-40TB01
1003098	A	3	J24, J33, J34	CONNECTOR, HEADER, MALE, 0.100IN, 2PIN, 1X2	Samtec	TSW-102-23-T-S
1012936	A	1	J15	CONNECTOR, HEADER, MALE, 0.100IN, 60PIN, 2X30 (CUT FROM 1003738)	Samtec	TSW-130-23-T-D
1003738	A	0.75		CONNECTOR, HEADER, MALE, 0.100IN, 80PIN, 2X40	Samtec	TSW-140-23-T-D (RoHS)
1002656	A	1	J27	CONNECTOR, RECEPTACLE, USB HOST	Molex	89485-8000
1003627	A	1	J6	CONNECTOR, RECEPTACLE, USB MINI-AB, SMT	Molex	56579-0576



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1010171	A	1	J31	CONNECTOR, RJ45, WITH MAGNETICS AND G/Y LEDS, AUTO MDX, TH	Pulse Engineering	J0011D01BNL
1003832	A	1	J32	CONNECTOR, SATA SYSTEM PLUG, VERT, STANDARD TYPE, 1X7	Molex	67491-0020 (RoHS)
1005608	A	1	J14	CONNECTOR, SDIO/MMC SOCKET, ROHS	Hirose	DM1AASF-PEJ (ROHS)
1012554	A	7	J1-J3, J13, J28-J30	CONNECTOR, SOCKET, 100 PIN, .4MM PITCH, 1.5MM STACKHEIGHT	Hirose	DF40C-100DS-0.4V(51)
1011459	A	1	J21	CONNECTOR, USB MINI B, RA, SMT	FCI	10033526-N3212LF
1007347	A	1	D6	DIODE, SCHOTTKY, 30V, 200MA, SOD-523	ON Semiconductor	RB521S30T1G
1010618	A	0		DRAWING, LABEL IMAGE, LEAD-FREE LOGO		
1013873	B	0		FUNCTIONAL TEST PROCEDURE, OMAP-L138 BASE-BOARD		
1012996	A	1	U9	IC, 16-BIT I/O EXPANDER FOR I2C-BUS, VCC 1.65 TO 5.5V, TSSOP-24	Texas Instruments	TCA6416PW
1004669	A	2	U42, U55	IC, BUFFER, 3-STATE, SOT (SC-70)	Texas Instruments	SN74LVC1G125DCKR
1012778	A	1	U45	IC, DIGITAL LOGIC/LATCHES, QUAD 2-INPUT POSITIVE NAND GATE, OPEN DRAIN	Texas Instruments	SN74HC03D
1002320	A	1	U44	IC, DIGITAL LOGIC/LATCHES, SINGLE D TYPE FLIP FLIP WITH PRESET# AND CLEAR#	Texas Instruments	SN74LVC2G74DCTRE4
1001601	B	1	U41	IC, EEPROM, 3-WIRE SERIAL 2.7V, INDUSTRIAL TEMP	Atmel	AT93C46D-TH
1006394	A	1	U56	IC, HIGH-OUTPUT, LOW VOLTAGE, OPAMP, 8-SOIC	Texas Instruments	TLV4111ID
1012764	A	1	U6	IC, LOW-VOLTAGE, FET, 24 BIT, BUS EXCHANGE SWITCH, TSSOP	Texas Instruments	SN74CBTLV16212GR
1012675	A	2	U36, U38	IC, LOW-VOLTAGE, FET, QUAD 2:1 MUX/DEMUX BUS SWITCH, SOIC	Texas Instruments	SN74CBTLV3257D
1012874	A	1	U50	IC, POWER DISTRIBUTION SWITCH, 0.5A CURRENT LIMIT, MSOP-8	Texas Instruments	TPS2042BDGN
1008768	A	2	U34, U35	IC, POWER REG, LDO, ADJ, 1A, SOT223-6	Texas Instruments	TPS73701DCQ
1008618	A	1	U54	IC, RESET/SUPERVISORY, RESET CHIP, PROGRAMMA-BLE-DELAY, ADJUSTABLE INPUT VOLTAGE, 0.405V, SOT23-6	Texas Instruments	TPS3808G01DBV
1008615	A	1	U24	IC, RS232 XCVR, 3 XMIT, 2 RCV, SPLIT SUPPLY FOR LOGIC, TSSOP-20	Texas Instruments	TRS3386ECPWR



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1012908	A	1	U14	IC, STEREO AUDIO CODEC, 48-QFN	Texas Instruments	TLV320AIC3106IRGZ
1012867	A	2	U25, U26	IC, TRANSCEIVER, 16 BIT DUAL SUPPLY, 1.2V TO 3.6V, TSSOP48	Texas Instruments	SN74AVC16T245DGG
1004663	A	1	U53	IC, TRANSCEIVER, 16 BIT DUAL SUPPLY, 1.65V-5.5V POWER SUPPLY, TSSOP48	Texas Instruments	SN74LVC16T245DGGR
1011950	A	1	U37	IC, USB UART/FIFO, DUAL, 48-LQFP	FUTURE TECH-NOLOGY	FT2232D R
1012676	B	1		LABEL, GLOSSY WHITE, HIGH TEMP, .750 IN. X .375 IN.		
1006494	D	1		LABEL, PART NUMBER, REVISION, SERIAL NUMBER, BAR CODE, ROHS		
1002549	A	3	D2, D3, D5	LED, GREEN, CLEAR, 0805	LITE-ON	LTST-C170GKT
1004441	A	4	Q6-Q9	MOSFET, N-CH, 25V, 0.22A, SOT23, I-TEMP	FAIRCHILD	FDV301N (RoHS)
1007287	A	1	Q4	MOSFET, P-CH, -20V, -3.7A, SOT-23	IR	IRLML6402TRPBF
1012777	A	1	Y2	OSCILLATOR, 24.576MHZ, 3.3V, 50PPM, SMT	Citizen	CSX750FBC24.576M-UT
1013126	A	1	PCB1	PCB, OMAP-L138 BASEBOARD, AKA EXPERIMENTER BOARD		
1001368	B	12	R73, R76, R89, R141, R172, R178, R186, R191, R204, R206, R209, R211	RESISTOR, 0 OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GE0R00X
1005843	A	2	R84, R168	RESISTOR, 0.020 OHM, 1/4W, 1%, 1210	Panasonic	ERJ-L14KF20MU (RoHS)
1003753	A	3	R62, R83, R88	RESISTOR, 0.050 OHM, 1W, 1%, 2512	Panasonic	ERJ-L1WKF50MU (RoHS)
1004922	B	21	R101, R104, R149-R151, R160-R167, R169, R173, R175-R177, R189, R196, R213	RESISTOR, 1.0K OHM, 1/10W, 5%, 0603	Panasonic	ERJ-3GEYJ102V
1003250	A	1	R98	RESISTOR, 1.5K OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ152X
1001339	A	2	R16, R17	RESISTOR, 10.0 OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF10R0X
1001372	A	1	R114	RESISTOR, 100K OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ104X
1001336	B	35	R8, R9, R11, R22, R23, R95, R102, R106, R110, R130, R132, R140, R152-R159, R170, R171, R183, R195, R197-R203, R205, R212, R214, R215	RESISTOR, 10K OHM, 1/16W, 5%, 0402	Dale	CRCW0402103JT



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1011602	A	3	R34, R35, R105	RESISTOR, 2.2K OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ222X
1007534	A	3	R30, R31, R116	RESISTOR, 20.0K OHM, 1/10W, 1%, 0603	Yageo	RC0603FR-0720KL
1001374	A	6	R24-R29	RESISTOR, 22 OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ220X
1003947	A	1	R86	RESISTOR, 28.0K, OHM, 1/16W, 1%, 0603	Panasonic	ERJ-3EKF2802V (RoHS)
1005496	A	1	R139	RESISTOR, 32.4K OHM, 1/10W, 1%, 0603	Panasonic	ERJ-3EKF3242V
1003845	A	5	R96, R97, R107, R108, R115	RESISTOR, 33 OHM, 1/16W, 5%, 0402	Yageo	RC0402-JR-0733RL
1003283	C	5	R18, R19, R74, R77, R80	RESISTOR, 330 OHM, 1/10W, 5%, 0603	Panasonic	ERJ-3GEJ331V
1002996	B	1	R187	RESISTOR, 4.7K OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ472X
1003819	A	4	R109, R113, R117, R118	RESISTOR, 47 OHM, 1/16W, 5%, 0402	Yageo America	9C04021A47R0JLHF3 (RoHS)
1003907	A	1	R94	RESISTOR, 470 OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ471X (RoHS)
1004020	A	2	R87, R91	RESISTOR, 56.2K OHM, 1/16W, 1%, 0603	Panasonic	ERJ-3EKF5622V
1002428	A	7	R52-R57, R103	RESISTOR, ARRAY (4) 22 OHM, 5%, SMT	Panasonic	EXB-28V220JX
1004892	A	1	Y1	RESONATOR, 6.00MHZ, 0.5%, W/CAP, SMT	Murata	CSTCR6M00G53-R0
1013125	1	0		SCHEMATIC, OMAP-L138 BASEBOARD, AKA EXPERI-MENTER BOARD		
1007485	A	2	S2, S7	SWITCH, DIP, 8 SPST, SMT	CTS	204-8ST
1012871	A	1	S4	SWITCH, SLIDE, DPDT, 11A, TH	CW INDUSTRIES	GF-1126-1110
1002514	A	2	S3, S5	SWITCH, TACT, SPST, SM	ITT Cannon	KSC421GB (RoHS)