



Assembly PN: 1013528 Rev 6

Bill of Materials

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OMAP-L138 USER INTERFACE (UI) BOARD	6



BOM REPORT

Part Number 1013528

Part Description ASSEMBLY, PCB, OMAP-L138 USER INTERFACE (UI) BOARD

Part Revision 6

Part Number	Rev	Qty	Ref Des	Item Description	Initial MFG Name	Initial MFG Part Number
1013528	6			ASSEMBLY, OMAP-L138 UI DAUGHTERCARD		
1013725	A	1		ASSEMBLY DRAWING, OMAP-L138 UI DAUGHTERCARD		
1013551	A	4		BUMPON, HEMISPHERE, 0.44X0.20, BLACK	3M	SJ-5003 Black
1013550	A	5		BUMPON, HEMISPHERE, 0.63X0.31, BLACK	3M	SJ-5027 Black
1001329	A	1	C159	CAP, CERAMIC, 0.01UF, 16V, 0402	Panasonic	ECJ-0EB1C103K
1002396	A	165	C7, C9, C14-C18, C23-C26, C31, C34, C36, C41-C52, C54-C57, C59-C64, C67-C82, C84-C89, C92-C107, C112, C114, C116-C124, C130, C131, C147, C148, C150-C152, C155, C156, C158, C160-C165, C170, C175, C177, C179, C181-C184, C187-C189, C191, C192, C195-C198, C200-C205, C208-C226, C231-C247, C250-C254	CAP, CERAMIC, 0.1UF, 16V, X5R, 0402	AVX	0402YD104KAT2A
1005620	A	11	C33, C176, C178, C180, C185, C199, C227-C230, C249	CAP, CERAMIC, 10UF, 6.3V, X5R, 0603	Panasonic	ECJ-1VB0J106M
1011745	A	2	C37, C39	CAP, CERAMIC, 12000PF, 16V, X7R, 0402	Panasonic	ECJ-0EB1C123K
1006782	A	2	C38, C40	CAP, CERAMIC, 15000PF, 16V, X7R, 0402	Panasonic	ECJ-0EB1C153K
1003982	A	23	C12, C13, C19-C22, C27, C28, C32, C125, C146, C149, C157, C166-C169, C171-C174, C193, C194	CAP, CERAMIC, 1UF, 6.3V, X5R, 0402	Murata	GRM155R60J105KE19D (ROHS)
1003916	A	4	C153, C154, C186, C190	CAP, CERAMIC, 20PF, 50V, NPO, 0402	Panasonic	ECJ0EC1H220J (RoHS)
1008913	A	3	C29, C30, C248	CAP, CERAMIC, 2200PF, 10V, X7R, 10%, 0402	Murata	GRM155R71H222KA01D
1005616	A	4	C65, C66, C90, C91	CAP, CERAMIC, 27PF, 50V, COG, 0402	Kemet	C0402C270J5GACTU
1010330	A	1	C83	CAP, CERAMIC, 330PF, 50V, X7R, 0402	AVX	04025C331KAT2A
1005482	A	2	C206, C207	CAP, CERAMIC, 33PF, 50V, NPO, 0402	Panasonic	ECJ-0EC1H330J



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1012967	A	3	C6, C8, C35	CAP, ELECTROLYTIC, 220UF, 10V, 20%, 8MM D 5.4MM H, SMT	Nichicon	UWX1A221MCL1GB
1012473	A	2	J28, J29	CONNECTOR, HEADER, 100 PIN, .4MM PITCH, 1.5MM STACKHEIGHT	Hirose	DF40C-100DP-0.4V(51)
1012862	A	1	J7	CONNECTOR, HEADER, FEMALE, 0.100IN, 26PIN, RA, POLARIZING KEY, 2X13, TH	Sullins	SFH11-PBPC-D13-RA-BK
1005144	A	1	J8	CONNECTOR, HEADER, MALE, 0.100IN, 16PIN, 2X8	Molex	10-89-7161
1003098	A	4	J32-J35	CONNECTOR, HEADER, MALE, 0.100IN, 2PIN, 1X2	Samtec	TSW-102-23-T-S
1012827	A	2	J4, J6	CONNECTOR, RCA JACK, RA, YELLOW, TH	CUI	RCJ-014
1010171	A	1	J31	CONNECTOR, RJ45, WITH MAGNETICS AND G/Y LEDS, AUTO MDX, TH	Pulse Engineering	J0011D01BNL
1013549	A	2	J9, J10	CONNECTOR, SMA FEMALE, RA, TH	Tyco Electronics	5-1814400-1
1008316	A	1	J30	CONNECTOR, SOCKET, TSOP-48, SMT	MERITEC	980020-48-P2
1009124	A	2	J3, J5	CONNECTOR, S-VIDEO, 4PIN, LOW PROFILE	Kycon	KMDRX-4S-BS
1003435	A	2	Y1, Y2	CRYSTAL, 14.31818 MHZ, 18 PF, SMT 6X3.3MM	Citizen	CS10-14.31818MABJ-UT
1008355	A	1	Y4	CRYSTAL, 25MHZ, 25PPM, 3.2X2.5,SMT	ECS	ECS-250-20-33-A-E-L-TR
1012943	A	1	Y3	CRYSTAL, 27MHZ, 15PPM, 8PF LOAD CAP, 3.2MM X 2.5MM, SMT	NDK	NX3225SA-27.000000MHZ
1010618	A	0		DRAWING, LABEL IMAGE, LEAD-FREE LOGO		
1008506	A	4	FB6-FB9	FERRITE BEAD, 600 OHM @ 100MHZ, 200MA, 0603	MURATA	BLM18RK601SN1D
1012775	A	4	FB2-FB5	FERRITE BEAD, 70 OHM @ 100MHZ, 3.5A, 0603	Murata	BLM18KG700TN1D
1012996	A	1	U31	IC, 16-BIT I/O EXPANDER FOR I2C-BUS, VCC 1.65 TO 5.5V, TSSOP-24	Texas Instruments	TCA6416PW
1012790	A	1	U30	IC, ADC, 10-BIT, 20MHZ, 3V, PARALLEL INTERFACE, SSOP-28	Texas Instruments	ADS901E
1004669	A	8	U5, U7, U16, U47, U48, U50, U54, U55	IC, BUFFER, 3-STATE, SOT (SC-70)	Texas Instruments	SN74LVC1G125DCKR
1012581	A	3	U15, U38, U39	IC, BUS TRANSCEIVER, 4BIT, DUAL-SUPPLY, 16QFN	Texas Instruments	SN74AVC4T245RGYR
1012900	A	1	U36	IC, COMPARATOR, SINGLE, OPEN DRAIN OUT, SOT23-5	Texas Instruments	TL331IDBVR
1012791	A	1	U28	IC, DAC, 10-BIT, 165MSPS, PARALLEL INTERFACE, 3V OR 5V, TSSOP-28	Texas Instruments	DAC900E



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1012483	A	1	U40	IC, DECODER, 3-TO-8 LINE, 5V, 16-VQFN	Texas Instruments	SN74LVC138ARGYR
1001335	A	1	U49	IC, DIGITAL LOGIC/LATCHES, SCHMIDT TRIGGER INVERT, SINGLE, 1.65V TO 5.5V, SC-70	Texas Instruments	SN74LVC1G14DCKR
1012504	A	2	U14, U32	IC, DUAL BIDIRECTIONAL VOLTAGE-LEVEL TRANSLATOR, US8	Texas Instruments	PCA9306DCUR
1011589	A	2	U35, U37	IC, LDO REG, ADJ, 1A, SON-8	Texas Instruments	TPS73701DRB
1001636	A	2	U33, U34	IC, LDO REGULATOR, DDPK/TO-263	Texas Instruments	TPS79601KTTT
1001818	A	2	U60, U61	IC, LOW VOLTAGE SINGLE FET BUS SWITCH, SOT (SC-70)	Texas Instruments	SN74CBTLV1G125DCKR
1012764	A	1	U57	IC, LOW-VOLTAGE, FET, 24 BIT, BUS EXCHANGE SWITCH, TSSOP	Texas Instruments	SN74CBTLV16212GR
1012632	A	1	U2	IC, MULTIFORMAT VIDEO ENCODER, 11 BIT 297MHZ DACS, 6 OUTPUT CHANNELS, 64-LQFP	Analog Devices	ADV7343BSTZ
1012927	A	1	U18	IC, NAND FLASH, 4GBIT, TSOP	Micron	MT29F4G08AACWC:CTR
1012633	A	2	U4, U6	IC, NTSC/PAL/SECAM VIDEO DECODER, 80-HTQFP	Texas Instruments	TVP5147M1PFP
1007115	A	1	U52	IC, POSITIVE, OR GATE 2-IN, SC-70	Texas Instruments	SN74LVC1G32DCK
1012942	A	1	U43	IC, PROGRAMMABLE CLOCK SYNTHESIZER, 2.5V-3.3V IO, TSSOP-14	Texas Instruments	CDCE913PW
1008618	A	1	U56	IC, RESET/SUPERVISORY, RESET CHIP, PROGRAMMABLE-DELAY, ADJUSTABLE INPUT VOLTAGE, 0.405V, SOT23-6	Texas Instruments	TPS3808G01DBV
1012813	A	1	U3	IC, SDTV VIDEO AMP, 3-CH, SOIC-8	Texas Instruments	THS7314D
1006905	A	1	U42	IC, STRATAFLASH, X16, 64MBIT, 8MB, FBGA	Intel	PC28F640P30T85
1012753	A	1	U45	IC, TRANSCEIVER, 10/100 ETHERNET PHY, RMII ONLY, QFN-24	SMSC	LAN8720A-CP-TR
1012867	A	7	U8-U11, U17, U46, U53	IC, TRANSCEIVER, 16 BIT DUAL SUPPLY, 1.2V TO 3.6V, TSSOP48	Texas Instruments	SN74AVC16T245DGG
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		
1013228	A	1	LCD1	LCD, CHARACTER, 24 X 2, 5V, FSTN, YELLOW LED BACK-LIGHT, 6:00 VIEW ANGLE	Hantronix	HDM24216L-2-L30S



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1001604	A	3	Q1, Q3, Q4	MOSFET, N-CH, 60V, 150MA, SOT23	Diodes Inc	2N7002-7-F
1007287	A	1	Q2	MOSFET, P-CH, -20V, -3.7A, SOT-23	IR	IRLML6402TRPBF
1013867	A	1		PCB, OMAP-L138 UI DAUGHTERCARD		
1012895	A	1	R104	POTENTIOMETER, 20K, 1-TURN, 10%, 0.5W, 6MM, SMT	Bourns	3361P-1-203GLF
1012864	A	1	R141	POTENTIOMETER, 22K, 1-TURN, 5%, 0.1W, 2.75MM, SMT	Murata	PVA2A223A01R00
1001368	B	25	R19, R20, R42, R43, R58, R59, R76-R81, R102, R103, R163, R164, R222, R224, R277-R282, R284	RESISTOR, 0 OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GE0R00X
1003362	A	31	R11-R14, R28, R30-R32, R41, R47-R50, R54, R63, R216, R244-R257, R299	RESISTOR, 0 OHM, 1/16W, 5%, 0603	Panasonic	ERJ-3GEY0R00V
1012685	A	4	R304-R307	RESISTOR, 0.020 OHM, 1/10W, 1%, 0603	Vishay	WSL0603R0200FEA
1005464	A	2	R44, R60	RESISTOR, 100K OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF1003X
1001336	B	8	R150-R153, R158, R162, R165, R166	RESISTOR, 10K OHM, 1/16W, 5%, 0402	Dale	CRCW0402103JT
1009830	A	1	R234	RESISTOR, 12.1K OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF1212X
1013610	A	1	R176	RESISTOR, 14.7K OHM, 1/16W, 1%, 0603	Panasonic	ERJ-3EKF1472V
1012828	A	2	R26, R29	RESISTOR, 169 OHM, 1/16W, 1%, 0402	Vishay	CRCW0402169RFKED
1009164	A	2	R203, R204	RESISTOR, 2.55 OHM, 1/10W, 1%, 0603	VISHAY	CRCW06032R55FNEA
1001374	A	18	R71, R89, R94-R96, R191, R223, R233, R263, R268-R271, R283, R285-R288	RESISTOR, 22 OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ220X
1012901	A	2	R181, R297	RESISTOR, 22.6K OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF2262X
1011944	A	1	R180	RESISTOR, 28.0K OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF2802X
1003942	B	6	R100, R101, R142, R170, R171, R237	RESISTOR, 2K OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF2001X
1011703	A	3	R177, R179, R187	RESISTOR, 30.1K OHM, 1/16W, 1%, 0402	Yageo	RC0402FR-0730K1L
1003860	A	3	R18, R266, R267	RESISTOR, 301 OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF3010X (RoHS)
1003283	C	2	R235, R236	RESISTOR, 330 OHM, 1/10W, 5%, 0603	Panasonic	ERJ-3GEYJ331V
1012826	A	2	R15, R16	RESISTOR, 4.12K, 1/16W, 1%, 0402	Vishay	CRCW04024K12FKED



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1002996	B	53	R21-R25, R39, R45, R46, R57, R61, R62, R64, R69, R70, R75, R99, R105, R110, R139, R140, R146-R149, R155, R157, R169, R183-R185, R196, R197, R209, R217, R218, R220, R221, R227, R232, R238-R243, R261, R262, R276, R292-R294, R296, R302	RESISTOR, 4.7K OHM, 1/16W, 5%, 0402	Panasonic	ERJ-2GEJ472X
1002951	A	6	R137, R138, R228-R231	RESISTOR, 49.9 OHM, 1/16W, 1%, 0402	Rohm	MCR01MZPF49R9
1010607	A	1	R178	RESISTOR, 51.1K OHM, 1/16W, 1%, 0603	Panasonic	ERJ-3EKF5112V
1006428	A	1	R186	RESISTOR, 52.3K OHM, 1/16W, 1%, 0402	Panasonic	ERJ-2RKF5232X
1003822	A	1	R182	RESISTOR, 56.2K OHM, 1/16W, 1%, 0402	BC Components	2312 275 15623 (RoHS)
1005835	A	5	R3, R4, R17, R36, R40	RESISTOR, 75 OHM, 1/10W, 5%, 0603	Panasonic	ERJ-3GEYJ750V
1002759	A	22	R34, R35, R52, R53, R91-R93, R113, R114, R143-R145, R190, R259, R260, R264, R265, R289-R291, R300, R303	RESISTOR, ARRAY (4) 4.7KOHM, 5%, SMT	Panasonic	EXB-28V472JX (ROHS)
1013887	1	0		SCHEMATIC, OMAP-L138 UI DAUGHTERCARD		
1007113	A	3	U51, U58, U59	SINGLE, POSITIVE, AND GATE, SC-70	Texas Instruments	SN74LVC1G08DCKR
1002514	A	8	S1-S8	SWITCH, TACT, SPST, SM	ITT Cannon	KSC421GB (RoHS)
1007341	A	1	U29	TRANSFORMER, RF, 0.4-800MHZ, SMT	Mini-Circuits	ADT1-1WT+