

# Parts List

## 513320-0001R

ASSY,AM1808/OMAP-L138 TOUCH SCREEN  
GRAPHIC LCD MODULE  
SUBA

Type	PL	PCB Package
Revision	A	ION Footprint
Status	U	Package Qty 1
Date	1/12/2010	Bin Loc.
By		Product Class SUBA

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		Mfr Name	Mfr P/N
2	1 each	513322-0001	DOC A	LOGIC,AM1808/OMAP-L138 TOUCH SCREEN SCH	
1	1 each	513321-0001R	DWG A	PWB,AM1808/OMAP-L138 TOUCH SCREEN CSTM	
55	4 each	100115-0001R	PL	HEADER,1 X 1,VERTICAL,PIN SUBA	TP1, TP2, TP3, TP4
		tp1-6040			
5	1 each	102132-0001R	PS	IC,SO5,BOOST CONVERTER,250mA MATL	U1
		dbv-20x60-5		Texas Instruments	TPS61041DBVR
6	1 each	100656-0074R	PS	IC,SO14,74LVC74,DUAL D-TYPE FLIP-FLOP MATL	U2
		so14-25x75		Texas Instruments	74LVC74AD
10	3 each	100680-0001R	PS	TRANSISTOR,SOT23,MOSFET,N-CHANNEL,BSS1 MATL	Q1, Q3, Q5
		SOT23-28X44-GSD		Zetex, Inc.	BSS138TA
				All ZETEX Pb-free product boxes and reels will have a green "Pb-free plating" label attached.	
11	3 each	101675-0001R	PS	TRANSISTOR,SOT23,MOSFET,HEXFET MATL	Q2, Q4, Q6
		SOT23-28x44		International Rectifier	IRLML6401TRPBF
15	1 each	102211-0062R	PS	DIODE,SOT23,ZENER,6.2V MATL	D1
		sot23-28x44-1n3		Diodes, Inc.	BZX84C6V2-7-F
16	1 each	102211-0043R	PS	DIODE,SOT23,ZENER,4.3V MATL	D2
		sot23-28x44-1n3		Diodes, Inc.	BZX84C4V3-7-F
17	1 each	103360-0270R	PS	DIODE,SOD-323,ZENER,200mW,27V MATL	D4
		sod323		Diodes, Inc.	MMSZ5254BS-7-F
18	1 each	101800-0001R	PS	DIODE,SMB,SCHOTTKY RECTIFIER,1A,40V MATL	D3
		smb-85x108		ON Semiconductor	MBRS140T3G

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Rev A

Printed 7/20/2010

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		ION Footprint		Mfr Name	Mfr P/N
20	1 each	100395-0101R c3528-64x112	PS	CAP,TANT,SMT 1311,10uF,20V MATL AVX Corporation	C21 TAJB106M020R
21	1 each	103060-0101R c1210-70x102	PS	CAP,CER,SMT 1210,10uF,50V,X5S,+/-20% MATL Taiyo Yuden	C19 UMK325C7106MM-T
22	8 each	101497-0101R C1206-40X70	PS	CAP,CER,SMT 1206,10uF,6.3V MATL Taiyo Yuden	C6, C7, C8, C12, C13, C14, C17, C18 JMK316B7106ML-T
23	1 each	100993-1100R c603-35x45	PS	CAP,CER,SMT 0603,.1uF,50V,+/-10%,X7R MATL AVX Corporation	C20 06035C104KAT2A
24	1 each	101782-1104R c402-25	PS	CAP,CER,SMT 0402,10pF,50V,+/-5%,NPO MATL Kemet Electronics Corporation	C5 C0402C100J5GAC
25	6 each	101587-1100R c402-25	PS	CAP,CER,SMT 0402,.1uF,10V,+/-10%,X5R MATL Kemet Electronics Corporation	C9, C10, C11, C15, C16, C22 C0402C104K8PACTU
30	2 each	101793-1500R f1206	PS	FUSE,SMT,RESETTABLE,1.5 AMP MATL Littlefuse	F2, F1 1206L150THWR
35	1 each	103295-0151R IND-ELL6	PS	INDUCTOR,SMT,15uH,.13 HEIGHT MATL Panasonic	L1 ELL-6SH150M
40	39 each	101370-0001R r402-25	PS	RES,SMT 0402,0 OHM,1/16 WATT MATL Yageo	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R57, R61, R62, R64, R65, R66, R67, R68, R37, R32 RC0402JR-070RL
41	4 each	101370-1003R r402-25	PS	RES,SMT 0402,10K,5%,1/16 WATT MATL Yageo	R34, R41, R45, R46 RC0402JR-0710KL
42	7 each	101370-1002R r402-25	PS	RES,SMT 0402,1K,5%,1/16 WATT MATL Yageo	R31, R33, R39, R42, R43, R47, R49 RC0402JR-071KL

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43	3 each	101370-2002R	PS	RES,SMT 0402,2K,5%,1/16 WATT MATL	R38, R40, R44
		r402-25		Yageo	RC0402JR-072KL
45	1 each	100642-6040R	PS	RES,SMT 0603,60.4 OHM,1%,1/16 WATT MATL	R30
		r603-35x45		Panasonic	ERJ-3EKF60R4V
50	1 each	101444-0004R	PS	CONN,SMT,RECEPTACLE,4 POS.,1mm SPC.,TOP MATL	J4
		CONN4-FLH_1MM_MIRR		Molex	52207-0485
51	1 each	103431-0030R	PS	CONN,SOCKET,ELEVATED,30X2,VERTICAL,,535 MATL	J1
				Samtec, Inc.	ESQ-130-23-G-D
52	1 each	103054-0004R	PS	CONN,SMT,FPC,4 PIN,RIGHT MATL see 103294-0004R	J2
		conn3-12x45-6298		Kyocera	04 6298 004 000 883+
53	1 each	101488-0040R	PS	CONN,SMT,RECEPTACLE,40 POS.,.5mm MATL	J3
		fh12-40-sh		Hirose Electric, Inc.	FH12A-40S-0.5SH(55)
60	1 each	103144-0001R	PS	LCD,4.3 INCH,COLOR,480X272 TOUCH SCREEN MATL	
				Sharp Corporation	LQ043T1DG01
61	2 each	100271-0625R	PS	SPACER,HEX,NYLON,4-40,.250 O.D. X .625L MATL	
				Micro Plastics, Inc.	14HTSP019
62	2 each	100505-0250R	PS	SCREW,PHILLIPS,PAN,NYLON,4-40,.250 MATL	
				Micro Plastics, Inc.	010440W025
63	2 each	102808-0002	PS	VELCRO TAB SET, ROUND,5/8",WHITE MATL	
				Velcro	91047
65	4 each	C0402-NOPOP	PS	NP	C1, C2, C3, C4
		c402-25			
66	15 each	R0402-NOPOP	PS	NP	R35, R48, R50, R51, R52, R53, R54, R55, R56, R58, R59, R60, R63, R69, R36
		r402-25			
67	2 each	NO-POP	PS	NP	MH1, MH2