

# Parts List

## 513400-0001R

ASSY,AM1707/OMAP-L137 USER INTERFACE  
MODULE WITH TOUCH SCREEN  
SUBA

Type	PL	PCB Package	
Revision	B	ION Footprint	
Status	U	Package Qty	1
Date	1/26/2010	Bin Loc.	
By		Product Class	SUBA

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		Mfr Name	Mfr P/N
1	1 each	513401-0001R	DWG B	PWB,AM1707/OMAP-L137 USER INTERFACE CSTM	
2	1 each	513402-0001	DOC B	LOGIC,AM1707/OMAP-L137 USER INTERFACE SCH	
5	2 each	102179-0001R	PS	IC,TSSOP56,74CBTLV16292,12-BIT MATL	U1, U2
		dgg56-12x80		Texas Instruments	SN74CBTLV16292GR
6	1 each	102839-0001R	PS	IC,TSSOP24,9-BIT BUS-INTERFACE FLIP-FLOP MATL	U5
		pw24-14x70		Texas Instruments	SN74LVC823APWT
7	1 each	102371-0001R	PS	IC,TSSOP,REMOTE 8-BIT I/O EXPANDER FOR I2C MATL	U14
		pw20-14x70		Texas Instruments	PCF8574APWR
8	1 each	102600-0004R	PS	IC,TSOP48,FLASH,4G,3.3V MATL	U3
				used for Jacinto testing	
				Micron Technology, Inc.	MT29F4G08AACWC:C
9	1 each	102285-0090R	PS	IC,TSOP40,FLASH,32M,3V,90nS MATL	U7
		tssop40-10x70		Spansion	S29AL032D90TFI000
10	1 each	102845-0001R	PS	IC,SO16,FLASH,32MEG,3V MATL	U9
		so16-25x75-300		Spansion	S25FL032A0LMFI001
13	1 each	103065-0001R	PS	IC,BGA24,TOUCH SCREEN CONTROLLER MATL	U18
		yzk24-10rd		Texas Instruments	TSC2004IYZKT
15	1 each	102821-0001R	PS	IC,MSOP8,LDO REGULATOR,250mA MATL	U15
		MSOP8-16X60-181		Texas Instruments	TPS77301DGK
16	1 each	100656-0074R	PS	IC,SO14,74LVC74,DUAL D-TYPE FLIP-FLOP MATL	U12
		so14-25x75		Texas Instruments	74LVC74AD
17	5 each	101057-0032R	PS	IC,SO5,SINGLE 2-INPUT POSITIVE-OR GATE MATL	U10, U13, U4, U6, U8
		dck-5		Texas Instruments	SN74LVC1G32DCKR

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18	2 each	101057-0002R	PS	IC,S05,SINGLE NOR-GATE MATL	U16, U17
		dck-5		Texas Instruments	SN74LVC1G02DCKR
18	1 each	101057-0008R	PS	IC,S05,SINGLE 2-INPUT POSITIVE AND GATE MATL	U19
		dck-5		Texas Instruments	SN74LVC1G08DCKR
19	1 each	102132-0001R	PS	IC,S05,BOOST CONVERTER,250mA MATL	U11
		dbv-20x60-5		Texas Instruments	TPS61041DBVR
25	3 each	101675-0001R	PS	TRANSISTOR,SOT23,MOSFET,HEXFET MATL	Q3, Q4, Q7
		SOT23-28x44		International Rectifier	IRLML6401TRPBF
26	3 each	100680-0001R	PS	TRANSISTOR,SOT23,MOSFET,N-CHANNEL,BSS1 MATL All ZETEX Pb-free product boxes and reels will have a green "Pb-free plating" label attached.	Q5, Q6, Q8
		SOT23-28X44-GSD		Zetex, Inc.	BSS138TA
27	2 each	102109-0001R	PS	TRANSISTOR,SOT23,SWITCHING MATL	Q1, Q2
		sot23-28x44		Fairchild Semiconductor	FJV3109RMTF
30	1 each	101800-0001R	PS	DIODE,SMB,SCHOTTKY RECTIFIER,1A,40V MATL	D1
		smb-85x108		ON Semiconductor	MBRS140T3G
31	1 each	103299-0001R	PS	DIODE,SMT,SCHOTTKY BARRIER,200mA,30V MATL	D2
		sod523-20sq		ON Semiconductor	RB521S30T1G
33	2 each	100823-0001R	PS	LED,SMT 1206,GREEN MATL	DS1, DS2
		led1206-59x59		LITEON	LTST-C150GKT
35	2 each	102830-0001R	PS	ENCODER,2 BIT QUADRATURE W/ MOMENTARY MATL	ENC1, ENC2
				CTS Electronics Corporation	290VAA5F201B1
35	1 each	103295-0151R	PS	INDUCTOR,SMT,15uH,.13 HEIGHT MATL	L1
		IND-ELL6		Panasonic	ELL-6SH150M
40	3 each	101003-0101R	PS	CAP,TANT,SMT 1206,10uF,6.3V MATL	C38, C45, C49
		c1206-40x70-POL		Kemet Electronics Corporation	T491A106M006AT
45	1 each	101866-0220R	PS	CAP,CER,SMT 1206,2.2uF,16V,+/-10%,X7R MATL	C7
		C1206-40X70		Taiyo Yuden	EMK316BJ225KL-T

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46	6 each	101497-0101R C1206-40X70	PS	CAP,CER,SMT 1206,10uF,6.3V MATL Taiyo Yuden	C16, C52, C53, C54, C56, C69 JMK316B7106ML-T
48	1 each	100201-0100R c805-35x60	PS	CAP,CER,SMT 0805,1uF,50V,+/-10%,X7R MATL Murata Electronics	C60 GRM21BR71H105KA12L
55	7 each	101007-0100R c603-35x45	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% MATL Panasonic	C40, C41, C42, C43, C63, C65, C67 ECJ-1VB0J105K
56	1 each	100993-1100R c603-35x45	PS	CAP,CER,SMT 0603,.1uF,50V,+/-10%,X7R MATL AVX Corporation	C61 06035C104KAT2A
60	29 each	101587-1100R c402-25	PS	CAP,CER,SMT 0402,.1uF,10V,+/-10%,X5R MATL Kemet Electronics Corporation	C10, C11, C12, C13, C14, C15, C2, C31, C37, C39, C4, C44, C46, C48, C5, C50, C51, C55, C57, C58, C59, C6, C62, C64, C66, C68, C70, C8, C9 C0402C104K8PACTU
61	3 each	101587-1101R c402-25	PS	CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R MATL Kemet Electronics Corporation	C1, C3, C47 C0402C103K4RAC
70	1 each	101069-1002R rpk16-10x25-2hv	PS	RES,NETWORK,SMT,16 PIN,8 RES,1K MATL Panasonic	RN1 EXB-2HV102JV
75	31 each	101370-0001R r402-25	PS	RES,SMT 0402,0 OHM,1/16 WATT MATL Yageo	R1, R15, R2, R209, R219, R220, R221, R222, R225, R231, R24, R3, R30, R31, R39, R4, R40, R41, R44, R45, R47, R50, R51, R52, R53, R54, R57, R58, R80, R91, R94 RC0402JR-070RL
76	5 each	101370-1001R r402-25	PS	RES,SMT 0402,100 OHM,5%,1/16 WATT MATL Yageo	R20, R21, R22, R23, R93 RC0402JR-07100RL
77	31 each	101370-1003R r402-25	PS	RES,SMT 0402,10K,5%,1/16 WATT MATL Yageo	R10, R11, R12, R13, R198, R199, R203, R204, R228, R26, R27, R28, R29, R32, R33, R34, R35, R36, R38, R42, R43, R59, R63, R64, R68, R69, R70, R71, R72, R73, R74 RC0402JR-0710KL

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78	11 each	101370-1002R	PS	RES,SMT 0402,1K,5%,1/16 WATT MATL	R208, R214, R217, R223, R224, R229, R46, R6, R7, R8, R9
		r402-25		Yageo	RC0402JR-071KL
79	9 each	101370-2002R	PS	RES,SMT 0402,2K,5%,1/16 WATT MATL	R17, R18, R205, R206, R230, R60, R61, R65, R66
		r402-25		Yageo	RC0402JR-072KL
80	3 each	101370-3601R	PS	RES,SMT 0402,360 OHM,5%,1/16 WATT MATL	R200, R201, R5
		r402-25		Yageo	RC0402JR-07360RL
85	2 each	100687-0001R	PS	RES,SMT 0603,0 OHM,1/16 WATT MATL	R89, R90
		r603-35x45		Panasonic	ERJ-3GEY0R00V
90	1 each	100642-3013R	PS	RES,SMT 0603,30.1K OHM,1%,1/16 WATT MATL	R79
		r603-35x45		Panasonic	ERJ-3EKF3012V
91	1 each	100642-5363R	PS	RES,SMT 0603,53.6K OHM,1%,1/16 WATT MATL	R78
		r603-35x45		Panasonic	ERJ-3EKF5362V
92	1 each	100642-6040R	PS	RES,SMT 0603,60.4 OHM,1%,1/16 WATT MATL	R101
		r603-35x45		Panasonic	ERJ-3EKF60R4V
100	3 each	100155-0001R	PS	RES,SMT 1206,0 OHM,1/8 WATT MATL	R226, R62, R67
		r1206-40x70		Yageo	RC1206JR-070RL
105	1 each	101667-2003R	PS	RES,SMT,VAR,20K,TOP ADJUST,SINGLE TURN MATL	R55
		pot3-smt-3361p		Bourns	3361P-1-203GLF
110	1 each	101184-0004R	PS	SWITCH,DIP,SMT,HALF-PITCH,4 POS. MATL	SW1
		sw4-30x50-tda		C&K/Unimax, Inc.	TDA04H0SB1R
111	4 each	101215-0001R	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,6mm MATL	SW3, SW4, SW5, SW6
		SW-40X126-EVQP1		Panasonic	EVQ9P105M
115	1 each	101488-0040R	PS	CONN,SMT,RECEPTACLE,40 POS.,5mm MATL	J3
		fh12-40-sh		Hirose Electric, Inc.	FH12A-40S-0.5SH(55)
116	1 each	101444-0004R	PS	CONN,SMT,RECEPTACLE,4 POS.,1mm SPC.,TOP MATL	J4
				Molex	52207-0485

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117	1 each	102620-0040R	PS	CONN,SMT,HEADER,40x2,.316H,.8mm,HI-SPEED MATL	P2
		qte40x2-18x57		Samtec, Inc.	QTE-040-02-L-D-A-K
118	1 each	102620-0020R	PS	CONN,SMT,HEADER,20x2,.316H,.8mm,HI-SPEED MATL	P1
				Samtec, Inc.	QTE-020-02-L-D-A-K
119	1 each	103294-0004R	PS	CONN,SMT,RECEPTACLE,4 POS.,.5mm MATL	J5
		conn4-12x34-fh19c		Hirose Electric, Inc.	FH19SC-4S-0.5SH(05)
120	1 each	100585-0008R	PS	CONN,BOX,FEMALE,.1,8X2 MATL	J2
				Harwin	M20-7830842
121	1 each	103144-0001R	PS	LCD,4.3 INCH,COLOR,480X272 TOUCH SCREEN MATL	
				Sharp Corporation	LQ043T1DG01
122	1 each	101606-0048R	PS	SOCKET,TSOP48,ZIF,DUAL HINGE MATL	XU3
		skt-tsop48sm		Meritec	980020-48-P2-K
125	2 each	102843-0001R	PS	KNOB,BLACK,.63 DIA X .57 H,6mm SHAFT MATL	XENC1, XENC2
				Neutrik	P670S-08-D6N
126	2 each	101048-0004R	PS	BUMPER,#4,RECESSED,.5 DIA.,.25H MATL	
				Keystone Electronics Corp.	720
127	2 each	100455-0375R	PS	SPACER,HEX,BRASS,4-40,.25 O.D. X .375L MATL	
				RAF Electronics	2102-440-B-12
128	4 each	100329-0187R	PS	SCREW,PHILLIPS,PAN,SS,4-40 X .187 MATL	
				Above Board Electronics, Inc.	0440X0187PNPHSSPS
129	1 each	102808-0002	PS	VELCRO TAB, ROUND,5/8",WHITE MATL	
				Velcro	91047
135	12 each	R0402-NOPOP	PS	NP	R14, r19, R202, R215, R216, R37, R56, R75, R76, R77, R92, R95
		r402-25			
140	1 each	R1206-NOPOP	PS	NP	R227
		r1206-40x70			

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<b>145</b>	<b>1</b> each	<b>NO-POP</b>	PS	NP	P5
<b>150</b>	<b>72</b> each	<b>TP-NO-POP</b>	PS	NP	TP1, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP2, TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP3, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37, TP38, TP39, TP4, TP40, TP41, TP42, TP43, TP44, TP45, TP46, TP47, TP48, TP49, TP5, TP50, TP51, TP52, TP53, TP54, TP55, TP56, TP57, TP58, TP59, TP6, TP60, TP61, TP62, TP63, TP64, TP65, TP66, TP67, TP68, TP69, TP7, TP70, TP71, TP72, TP8, TP9

tp1-6040