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 used for Jacinto testing	U3
				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

Spectrum Digital Incorporated
12502 Exchange Dr. #440, Stafford, Tx. 77477
281-494-4500 Fax 281-494-5310

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		Mfr Name	Mfr P/N
18	**2** each	**101057-0002R**	PS	**IC,SO5,SINGLE NOR-GATE** MATL	U16, U17
		dck-5		Texas Instruments	SN74LVC1G02DCKR
18	**1** each	**101057-0008R**	PS	**IC,SO5,SINGLE 2-INPUT POSITIVE AND GATE** MATL	U19
		dck-5		Texas Instruments	SN74LVC1G08DCKR
19	**1** each	**102132-0001R**	PS	**IC,SO5,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

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		Mfr Name	Mfr P/N
46	**6** each	**101497-0101R**	PS	**CAP,CER,SMT 1206,10uF,6.3V** MATL	C16, C52, C53, C54, C56, C69
		C1206-40X70		Taiyo Yuden	JMK316B7106ML-T
48	**1** each	**100201-0100R**	PS	**CAP,CER,SMT 0805,1uF,50V,+10/-10%,X7R** MATL	C60
		c805-35x60		Murata Electronics	GRM21BR71H105KA12L
55	**7** each	**101007-0100R**	PS	**CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10%** MATL	C40, C41, C42, C43, C63, C65, C67
		c603-35x45		Panasonic	ECJ-1VB0J105K
56	**1** each	**100993-1100R**	PS	**CAP,CER,SMT 0603,.1uF,50V,+/-10%,X7R** MATL	C61
		c603-35x45		AVX Corporation	06035C104KAT2A
60	**29** each	**101587-1100R**	PS	**CAP,CER,SMT 0402,.1uF,10V,+/-10%,X5R** MATL	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
		c402-25		Kemet Electronics Corporation	C0402C104K8PACTU
61	**3** each	**101587-1101R**	PS	**CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R** MATL	C1, C3, C47
		c402-25		Kemet Electronics Corporation	C0402C103K4RAC
70	**1** each	**101069-1002R**	PS	**RES,NETWORK,SMT,16 PIN,8 RES,1K** MATL	RN1
		rpak16-10x25-2hv		Panasonic	EXB-2HV102JV
75	**31** each	**101370-0001R**	PS	**RES,SMT 0402,0 OHM,1/16 WATT** MATL	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
		r402-25		Yageo	RC0402JR-070RL
76	**5** each	**101370-1001R**	PS	**RES,SMT 0402,100 OHM,5%,1/16 WATT** MATL	R20, R21, R22, R23, R93
		r402-25		Yageo	RC0402JR-07100RL
77	**31** each	**101370-1003R**	PS	**RES,SMT 0402,10K,5%,1/16 WATT** MATL	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
		r402-25		Yageo	RC0402JR-0710KL

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		Mfr Name	Mfr P/N
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

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
		ION Footprint		Mfr Name	Mfr P/N
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			

Item	Qty / Unit	Part Number	Type / Rev	Title / Detail	Reference
		ION Footprint		Mfr Name	Mfr P/N
145	**1** each	**NO-POP**	PS	NP	P5
150	**72** each	**TP-NO-POP**	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			