

# Parts List

## 511240-0001

ASSY,DA830 USER INTERFACE BOARD  
SUBA

Type	PL	PCB Package
Revision	B	ION Footprint
Status	U	Package Qty
Date	7/2/2008	Bin Loc.
By		Product Class
		SUBA

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference	
		PCB Package	ION Footprint		Cost	Mfr P/N
1	1 each	511241-0001R	DWG B	PWB,DA830 USER INTERFACE BOARD CSTM		
2	1 each	511242-0001	DOC B	LOGIC,DA830 USER INTERFACE BOARD SCH		
5	1 each	102845-0001R	PS	IC,SO16,FLASH,32MEG,3V MATL SOL16 so16-25x75-300	U9 S25FL032A0LMFI001	
6	1 each	102600-0004R	PS	IC,TSOP48,FLASH,4G,3.3V MATL used for Jacinto testing TSOP48	U3 8.1267 MT29F4G08AACWC:C	
7	2 each	102179-0001R	PS	IC,TSSOP56,74CBTLV16292,12-BIT MATL TSSOP56 dgg56-12x80	U1, U2 0.9 74CBTLV16292GRE4	
8	1 each	102839-0001R	PS	IC,TSSOP24,9-BIT BUS-INTERFACE FLIP-FLOP MATL SO24PWA	U5 SN74LVC823APWT	
9	1 each	102371-0001R	PS	IC,TSSOP,REMOTE 8-BIT I/O EXPANDER FOR I2C MATL TSSOP20	U14 0.7 PCF8574APWRG4	
10	1 each	102285-0090R	PS	IC,TSOP40,FLASH,32M,3V,90nS MATL TSOP40	U7 2.75 S29AL032D90TFI000	
11	1 each	102545-0022R	PS	IC,SON8,22V,CONSTANT CURRENT LED DRIVER MATL DRB8	U11 TPS61062DRB	
12	4 each	101057-0032R	PS	IC,SO5,SINGLE 2-INPUT POSITIVE-OR GATE MATL DCK5 dck-5	U10, U4, U6, U8 0.051 SN74LVC1G32DCKRG4	
13	1 each	100656-0074R	PS	IC,SO14,74LVC74,DUAL D-TYPE FLIP-FLOP MATL SO14	U12 0.08 74LVC74AD	
14	1 each	102821-0001R	PS	IC,MSOP8,LDO REGULATOR,250mA MATL DGK8 MSOP8-16X60-181	U15 .7 TPS77301DGK	

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511240-0001  
Rev B  
Printed 8/28/2008

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		PCB Package		ION Footprint	Cost	Mfr P/N
15	2 each	101057-0002R	PS	IC,S05,SINGLE NOR-GATE MATL	U16, U17	
		DCK5		dck-5		SN74LVC1G02DCKR
17	2 each	102109-0001R	PS	TRANSISTOR,SOT23,SWITCHING MATL	Q1, Q2	
		SOT23-NPN		sot23-28x44	0.019	FJV3109RMTF
20	1 each	102828-0001R	PS	DISPLAY,LCD,320 X 240 PIXELS,COLOR MATL	XJ1	
		LCDLQ035			79.95	LQ035Q3DG01
26	2 each	100823-0001R	PS	LED,SMT 1206,GREEN MATL	DS1, DS2	
		EIA1206D		led1206-59x59	0.03	LTST-C150GKT
30	1 each	101018-0221R	PS	INDUCTOR,SMT,22uH MATL	L1	
		IND-DUAL			0.338	CDRH74NP-220MC
38	2 each	102846-0220R	PS	CAP,TANT,SMT 1206,2.2uF,35V MATL	C17, C22	
		EIA1206P		c1206-40x70p		TAJA225K035R
39	11 each	102847-0220R	PS	CAP,TANT,SMT 1206,2.2uF,16V MATL	C23, C25, C26, C28, C29, C30, C32, C33, C34, C35, C36	
		EIA1206P		c1206-40x70p		F931C225MAA
40	4 each	101003-0101R	PS	CAP,TANT,SMT 1206,10uF,6.3V MATL	C16, C38, C45, C49	
		EIA1206P		c1206-40x70-POL	0.035	T491A106M006AT
41	1 each	101866-0220R	PS	CAP,CER,SMT 1206,2.2uF,16V,+/-10%,X7R MATL	C7	
		EIA1206		C1206-40X70	0.03	EMK316BJ225KL-T
45	6 each	100934-1210R	PS	CAP,CER,SMT 0805,.22uF,16V,+/-10%,X7R MATL	C18, C19, C20, C21, C24, C27	
		EIA0805		c805-35x60	0.015	ECJ-2VB1C224K
50	4 each	101007-0100R	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% MATL	C40, C41, C42, C43	
		EIA0603		c603-35x45	0.0058	ECJ-1VB0J105K
55	19 each	101587-1100R	PS	CAP,CER,SMT 0402,.1uF,10V,+/-10%,X5R MATL	C10, C11, C12, C13, C14, C15, C2, C31, C37, C4, C44, C46, C48, C5, C50, C51, C6, C8, C9	
		EIA0402		c402-25	0.0026	C0402C104K8PAC
56	3 each	101587-1101R	PS	CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R MATL	C1, C3, C47	
		EIA0402		c402-25	0.002	C0402C103K4RAC

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		PCB Package	ION Footprint		Cost	Mfr P/N
58	1 each	101069-1002R	PS	RES,NETWORK,SMT,16 PIN,8 RES,1K MATL	RN1	
		EXB-2HVS		rpak16-10x25-2hv	0.039	EXB-2HV102JV
60	29 each	101370-0001R	PS	RES,SMT 0402,0 OHM,1/16 WATT MATL	R1, R2, R3, R30, R31, R39, R4, R40, R41, R44, R45, R46, R47, R50, R51, R52, R53, R54, R57, R58, R16, R80, R82, R84, R86, R88, R15, R24, R91	
		EIA0402		r402-25	0.001	RC0402JR-070RL
61	6 each	101370-1001R	PS	RES,SMT 0402,100 OHM,5%,1/16 WATT MATL	R20, R202, R21, R22, R23, R93	
		EIA0402		r402-25	0.0009	RC0402JR-07100RL
62	29 each	101370-1003R	PS	RES,SMT 0402,10K,5%,1/16 WATT MATL	R10, R11, R12, R13, R26, R27, R28, R29, R32, R33, R34, R35, R36, R38, R42, R43, R49, R59, R64, R69, R70, R71, R72, R73, R74, R198, R199, R68, R63	
		EIA0402		r402-25	0.001	RC0402JR-0710KL
63	4 each	101370-1002R	PS	RES,SMT 0402,1K,5%,1/16 WATT MATL	R6, R7, R8, R9	
		EIA0402		r402-25	0.0024	RC0402JR-071KL
64	3 each	101370-3601R	PS	RES,SMT 0402,360 OHM,5%,1/16 WATT MATL	R5, R200, R201	
		EIA0402		r402-25	0.0011	RC0402JR-07360RL
65	6 each	101370-2002R	PS	RES,SMT 0402,2K,5%,1/16 WATT MATL	R17, R18, R60, R61, R65, R66	
		EIA0402		r402-25	0.0024	RC0402JR-072KL
67	2 each	100687-0001R	PS	RES,SMT 0603,0 OHM,1/16 WATT MATL	R89, R90	
		EIA0603		r603-35X45	0.0012	ERJ-3GEY0R00V
70	1 each	100642-3013R	PS	RES,SMT 0603,30.1K OHM,1%,1/16 WATT MATL	R79	
		EIA0603		r603-35x45	0.0016	ERJ-3EKF3012V
71	1 each	100642-5363R	PS	RES,SMT 0603,53.6K OHM,1%,1/16 WATT MATL	R78	
		EIA0603		r603-35x45	0.0014	ERJ-3EKF5362V
75	1 each	100155-1200R	PS	RES,SMT 1206,12 OHM,5%,1/8 WATT MATL	R48	
		EIA1206		r1206-40x70		RC1206JR-0712RL

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76	2 each	100155-0001R	PS	RES,SMT 1206,0 OHM,1/8 WATT MATL	R62, R67	
		EIA1206		r1206-40x70	0.0019	RC1206JR-070RL
80	1 each	101667-2003R	PS	RES,SMT,VAR,20K,TOP ADJUST,SINGLE TURN MATL	R55	
		SMT POT3361			0.88	3361P-1-203GLF
85	2 each	102830-0001R	PS	ENCODER,2 BIT QUADRATURE W/ MOMENTARY MATL	ENC1, ENC2	
		MC-V290				290VAA5F201B1
90	1 each	101184-0004R	PS	SWITCH,DIP,SMT,HALF-PITCH,4 POS. MATL	SW1	
		SMTDIPSW4A		sw4-30x50-tda	0.7	TDA04H0SB1R
92	4 each	101215-0001R	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,6mm MATL	SW3, SW4, SW5, SW6	
		101215		SW-40X126-EVQP1	0.306	EVQ9P105M
100	1 each	102838-0067R	PS	CONN,SMT,RECEPTACLE,67 POS.,.3mm SPC. MATL	J1	
		FH26G-67S				FH26G-67S-0.3SHBW(05)
101	1 each	102620-0020R	PS	CONN,SMT,HEADER,20x2,.316H,.8mm,HI-SPEED MATL	P1	
		QTE-020				QTE-020-02-L-D-A
102	1 each	102620-0040R	PS	CONN,SMT,HEADER,40x2,.316H,.8mm,HI-SPEED MATL	P2	
		QTE-040			4.05	QTE-040-02-L-D-A
103	1 each	100585-0008R	PS	CONN,BOX,FEMALE,.1,8X2 MATL	J2	
		CON8X2				M20-7830842
105	1 each	101606-0048R	PS	SOCKET,TSOP48,ZIF,DUAL HINGE MATL	XU3	
		TSOP48SMT SOCKET		skt-tsop48sm	4.45	980020-48-P2-K
106	2 each	102843-0001R	PS	KNOB,BLACK,.63 DIA X .57 H,6mm SHAFT MATL	XENC1, XENC2	
						P670S-08-D6N
113	2 each	101048-0004R	PS	BUMPER,#4,RECESSED,.5 DIA.,.25H MATL		
					0.0407	720
114	2 each	100455-0250R	PS	SPACER,HEX,BRASS,4-40,.25 O.D. X .250L MATL		
					0.3	2100-440 -B-12

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115	2 each	100455-0312R	PS	SPACER,HEX,BRASS,4-40,.25 O.D. X .312L MATL		2101-440 -B-12
116	4 each	100329-0250R	PS	SCREW,PHILLIPS,PAN,SS,4-40 X .250 MATL	0.0106	0440X0250PNPHSSPS
117	4 each	100329-0187R	PS	SCREW,PHILLIPS,PAN,SS,4-40 X .187 MATL	0.0509	0440X0187PNPHSSPS
120	13 each	R0402-NOPOP	PS	NP		R37, R56, R75, R76, R77, R95, R14, R19, R81, R83, R85, R87, R92
		EIA0402		r402-25		
121	68 each	NO-POP	PS	NP		TP1, 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, TP54, TP55, TP56, TP57, TP58, TP59, TP6, TP60, TP61, TP62, TP63, TP64, TP65, TP66, TP67, TP68, TP7, TP9, TP69, P5, D1

NO-POP