

# Parts List

## 511240-0001

ASSY,DA830 USER INTERFACE BOARD  
SUBA

Type	PL	PCB Package
Revision	A	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					
1	1 each	511241-0001R	DWG A	PWB,DA830 USER INTERFACE BOARD CSTM	
2	1 each	511242-0001	DOC A	LOGIC,DA830 USER INTERFACE BOARD SCH	
5	1 each	102845-0001R	PS	IC,SO16,FLASH,32MEG,3V MATL SOL16	U9
6	1 each	102600-0004R	PS	IC,TSOP48,FLASH,4G,3.3V MATL used for Jacinto testing TSOP48	U3
7	2 each	102179-0001R	PS	IC,TSSOP56,74CBTLV16292,12-BIT MATL TSSOP56	U1, U2
8	1 each	102839-0001R	PS	IC,TSSOP24,9-BIT BUS-INTERFACE FLIP-FLOP MATL SO24PWA	U5
9	1 each	102371-0001R	PS	IC,TSSOP,REMOTE 8-BIT I/O EXPANDER FOR I2C MATL TSSOP20	U14
10	1 each	102285-0090R	PS	IC,TSOP40,FLASH,32M,3V,90nS MATL TSOP40	U7
11	1 each	102545-0022R	PS	IC,SON8,22V,CONSTANT CURRENT LED DRIVER MATL DRB8	U11
12	5 each	101057-0032R	PS	IC,SO5,SINGLE 2-INPUT POSITIVE-OR GATE MATL DCK5	U10, U13, U4, U6, U8
13	1 each	100656-0074R	PS	IC,SO14,74LVC74,DUAL D-TYPE FLIP-FLOP MATL SO14	U12
14	1 each	102821-0001R	PS	IC,MSOP8,LDO REGULATOR,250mA MATL DGK8	U15

# Parts List

ASSY,DA830 USER INTERFACE BOARD  
SUBA

511240-0001

Rev A

Printed 8/12/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
PCB Package					
15	2 each	101057-0002R  DCK5	PS	IC,S05,SINGLE NOR-GATE MATL	U16, U17
17	2 each	102109-0001R  SOT23-NPN	PS	TRANSISTOR,SOT23,SWITCHING MATL	Q1, Q2
20	1 each	102828-0001R  LCDLQ035	PS	DISPLAY,LCD,320 X 240 PIXELS,COLOR MATL	XJ1
25	1 each	100208-0002R  SOT23C	PS	DIODE,SOT23,ZENER,27.8V MATL	D1
26	2 each	100823-0001R  EIA1206D	PS	LED,SMT 1206,GREEN MATL	DS1, DS2
30	1 each	101018-0221R  IND-DUAL	PS	INDUCTOR,SMT,22uH MATL	L1
38	2 each	102846-0220R  EIA1206P	PS	CAP,TANT,SMT 1206,2.2uF,35V MATL	C17, C22
39	11 each	102847-0220R  EIA1206P	PS	CAP,TANT,SMT 1206,2.2uF,16V MATL	C23, C25, C26, C28, C29, C30, C32, C33, C34, C35, C36
40	4 each	101003-0101R  EIA1206P	PS	CAP,TANT,SMT 1206,10uF,6.3V MATL	C16, C38, C45, C49
41	1 each	101866-0220R  EIA1206	PS	CAP,CER,SMT 1206,2.2uF,16V,+/-10%,X7R MATL	C7
45	6 each	100934-1210R  EIA0805	PS	CAP,CER,SMT 0805,.22uF,16V,+/-10%,X7R MATL	C18, C19, C20, C21, C24, C27
50	4 each	101007-0100R  EIA0603	PS	CAP,CER,SMT 0603,1uF,6.3V,X5R,+/-10% MATL	C40, C41, C42, C43
55	20 each	101587-1100R  EIA0402	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, C6, C8, C9

**Parts List**

ASSY,DA830 USER INTERFACE BOARD  
SUBA

511240-0001

Rev A

Printed 8/12/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
PCB Package					
56	3 each	101587-1101R EIA0402	PS	CAP,CER,SMT 0402,.01uF,16V,+/-10%,X7R MATL	C1, C3, C47
58	1 each	101069-1002R EXB-2HVS	PS	RES,NETWORK,SMT,16 PIN,8 RES,1K MATL	RN1
60	27 each	101370-0001R EIA0402	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, R81, R83, R85, R87, R62
61	6 each	101370-1001R EIA0402	PS	RES,SMT 0402,100 OHM,5%,1/16 WATT MATL	R20, R202, R21, R22, R23, R93
62	29 each	101370-1003R EIA0402	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
63	4 each	101370-1002R EIA0402	PS	RES,SMT 0402,1K,5%,1/16 WATT MATL	R6, R7, R8, R9
64	3 each	101370-3601R EIA0402	PS	RES,SMT 0402,360 OHM,5%,1/16 WATT MATL	R5, R200, R201
65	6 each	101370-2002R EIA0402	PS	RES,SMT 0402,2K,5%,1/16 WATT MATL	R17, R18, R60, R61, R65, R66
67	2 each	100687-0001R EIA0603	PS	RES,SMT 0603,0 OHM,1/16 WATT MATL	R89, R90
70	1 each	100642-3013R EIA0603	PS	RES,SMT 0603,30.1K OHM,1%,1/16 WATT MATL	R79
71	1 each	100642-5363R EIA0603	PS	RES,SMT 0603,53.6K OHM,1%,1/16 WATT MATL	R78

**Parts List**

ASSY,DA830 USER INTERFACE BOARD  
SUBA

511240-0001

Rev A

Printed 8/12/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
<b>PCB Package</b>					
75	1 each	100155-1200R  EIA1206	PS	RES,SMT 1206,12 OHM,5%,1/8 WATT MATL	R48
80	1 each	101667-2003R  SMT POT3361	PS	RES,SMT,VAR,20K,TOP ADJUST,SINGLE TURN MATL	R55
85	2 each	102830-0001R  MC-V290	PS	ENCODER,2 BIT QUADRATURE W/ MOMENTARY MATL	ENC1, ENC2
90	1 each	101184-0004R  SMTDIPSW4A	PS	SWITCH,DIP,SMT,HALF-PITCH,4 POS. MATL	SW1
92	4 each	101215-0001R  101215	PS	SWITCH,SMT,PUSHBUTTON,MOMENTARY,6mm MATL	SW3, SW4, SW5, SW6
95	65 each	100115-0001R  CON1	PL	HEADER,1 X 1,VERTICAL,PIN SUBA	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
100	1 each	102838-0067R  FH26G-67S	PS	CONN,SMT,RECEPTACLE,67 POS.,.3mm SPC. MATL	J1
101	1 each	102620-0020R  QTE-020	PS	CONN,SMT,HEADER,20x2,.316H,.8mm,HI-SPEED MATL	P1
102	1 each	102620-0040R  QTE-040	PS	CONN,SMT,HEADER,40x2,.316H,.8mm,HI-SPEED MATL	P2

**Parts List**

ASSY,DA830 USER INTERFACE BOARD  
SUBA

511240-0001  
Rev A  
Printed 8/12/2008

Item	Qty Unit	Part Number	Type Rev	Title Detail	Reference
PCB Package					
105	1 each	101606-0048R  TSOP48SMTSOCKET	PS	SOCKET,TSOP48,ZIF,DUAL HINGE MATL	XU3
106	2 each	102843-0001R	PS	KNOB,BLACK, .63 DIA X .57 H,6mm SHAFT MATL	XENC1, XENC2
112	1 each	100606-0001R	PS	BUMPER,CYLINDRICAL,SELF-STICK,BLACK,.5 MATL	
113	1 each	101048-0004R	PS	BUMPER,#4,RECESSED,.5 DIA.,.25H MATL	
114	1 each	100455-0250R	PS	SPACER,HEX,BRASS,4-40,.25 O.D. X .250L MATL	
115	1 each	100455-0312R	PS	SPACER,HEX,BRASS,4-40,.25 O.D. X .312L MATL	
116	1 each	100329-0250R	PS	SCREW,PHILLIPS,PAN,SS,4-40 X .250 MATL	
117	1 each	100329-0187R	PS	SCREW,PHILLIPS,PAN,SS,4-40 X .187 MATL	
120	13 each	R0402-NOPOP  EIA0402	PS	NP	R37, R56, R75, R76, R77, R82, R84, R86, R88, R95, R14, R67, R19
125	1 each	NO-POP  NO-POP	PS	NP	J2