

Parts List

515720-0001R

ASSY,DUAL ANTENNA LF-LF TRANSPONDER

SUBA

Type	PL	PCB Package
Revision	A	ION Footprint
Status	U	Package Qty 1
Date	11/11/2011	Bin Loc.
By		SUBA

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

1	1 each	515721-0001R	DWG A	PWB,DUAL ANTENNA LF-LF TRANSPONDER CSTM	
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2	1 each	515722-0001	DOC A	LOGIC,DUAL ANTENNA LF-LF TRANSPONDER SCH	
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5	1 each	103904-0001R	PS	IC,TSSOP44,RFID CONTROLLER MATL	U1 TMS37F128D3 Texas Instruments
		tssop-44-dbt-19p68			

6	2 each	103903-0001R	PS	IC,TSSOP14,QUAD BUFFER GATE MATL	U7, U8 SN74HC126PWR Texas Instruments
		pw14-12x70			

7	1 each	103902-0001R	PS	IC,SOT23-5,SINGLE INVERTER MATL	U6 MC74HC1G00DTT1G ON Semiconductor
		sot23-20x60-5			

10	4 each	103901-0001R	PS	TRANSISTOR,SMT,MOSFET,20V MATL	U2, U3, U4, U5 SI5513CDC-T1-GE3 Vishay Intertechnology
		1206-8-chipfet			

11	3 each	103898-0001R	PS	TRANSISTOR,SMT,MOSFET,240V,300mA MATL	Q1, Q2, Q3 ZVN4424ZTA Diodes, Inc.
		sot89-zvn			

12	1 each	102376-0001R	PS	TRANSISTOR,SOT23,MOSFET,N-CHANNEL MATL	Q4 BSS123-7-F Diodes, Inc.
		sot23-28x44-gsd			

15	1 each	103130-0004R	PS	RESONATOR,SMT,4MHz MATL	Y1 CSTCR4M00G53-R0 Murata Electronics
		resn-cstcr			

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Rev A

Printed 1/17/2012

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		ION Footprint		Mfr P/N	Mfr Name
20	1 each	100890-0001R led603-35x45-rev	PS	LED,0603,RED,10mA,STANDARD BRIGHTNESS MATL LNJ208R8ARA	D1 Panasonic
21	3 each	103897-0001R d0603-24x32	PS	DIODE,SMT,SCHOTTKY BARRIER,200mA MATL CDBU0245	D2, D3, D4 Comchip Technology
22	1 each	103890-0001R ind-00-6115-16	PS	ANTENNA,SMT,4.7mH MATL 00 6115 30	A1 NEOSID
23	1 each	103891-0001R ind-00-6115-16	PS	ANTENNA,SMT,2.47mH MATL 00 6115 16	A2 NEOSID
24	1 each	100063-0001R	PS	BATTERY,LITHIUM,COIN,3V,180mAH MATL CR2032	XB1 Panasonic
25	1 each	103894-0682R c7343-84x118	PS	CAP,TANT,SMT 2816,680uF,6.3V,20% MATL 293D687X06R3E2TE3	C5 Vishay Intertechnology
26	3 each	103895-1473R c805-35x60	PS	CAP,CER,SMT 0805,470pF,200V,+/-2%,NPO MATL CC0805GRNPOABN471	C7, C8, C9 Yageo
27	3 each	103896-1914R c603-35x45	PS	CAP,CER,SMT 0603,91pF,250V,+/-2%,NPO MATL ERB1885C2E910GDX5D	C11, C12, C13 Murata Electronics
28	3 each	103896-1334R c603-35x45	PS	CAP,CER,SMT 0603,33pF,250V,+/-2%,NPO MATL 251R14S330GV4T	C21, C22, C23 Johanson Technology Inc
29	3 each	103893-1223R c603-35x45	PS	CAP,CER,SMT 0603,220pF,50V,+/-1%,NPO MATL 06035A221FAT2A	C1, C2, C3 AVX Corporation

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30	1 each	100994-1222R c603-35x45	PS	CAP,CER,SMT 0603,2200pF,16V,+/-10%,X7R MATL 0603YC222KAT2A	C17 AVX Corporation
31	3 each	103896-1103R c603-35x45	PS	CAP,CER,SMT 0603,100pF,250V,+/-2%,NPO MATL 251R14S101GV4T	C18, C19, C20 Johanson Technology Inc
32	1 each	103816-1470R c603-35x45	PS	CAP,CER,SMT 0603,.47uF,25V,+/-10%,X7R MATL GRM188R71E474KA12D	C4 Murata Electronics
33	1 each	103497-1220R c603-35x45	PS	CAP,CER,SMT 0603,.22uF,16V,+/-10%,X7R MATL C1608X7R1C224K	C6 TDK Corporation
34	1 each	100993-1101R c603-35x45	PS	CAP,CER,SMT 0603,.01uF,50V,+/-10%,X7R MATL 06035C103KAT2A	C10 AVX Corporation
40	1 each	100642-1004R r603-35x45	PS	RES,SMT 0603,100K OHM,1%,1/16 WATT MATL RC0603FR-07100KL	R1 Yageo
41	9 each	100642-4703R r603-35x45	PS	RES,SMT 0603,47K OHM,1%,1/16 WATT MATL RC0603FR-0747KL	R10, R11, R12, R14, R19, R2, R3, R7, R9 Yageo
42	2 each	100642-1003R r603-35x45	PS	RES,SMT 0603,10K OHM,1%,1/16 WATT MATL ERJ-3EKF1002V	R18, R8 Panasonic
43	1 each	100642-5101R r603-35x45	PS	RES,SMT 0603,510 OHM,1%,1/16 WATT MATL ERJ-3EKF5100V	R13 Panasonic
50	2 each	100679-5103R rpak8-31p5-yc164	PS	RES,NETWORK,SMT,8 PIN,4 RES,51K,5%,1/16 MATL YC164-JR-0751KL	R15, R16 Yageo

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55	2 each	103900-0001R sw-b3u-1000p	PS	SWITCH,SMT,MOMENTARY,MINIATURE MATL B3U-1000P	S1, S2 Omron Electronics, Inc.
60	1 each	100115-0001R tp1-6040	PL	HEADER,1 X 1,VERTICAL,PIN SUBA	G1
61	1 each	103376-0003R hdr1x3_1p27	PL	HEADER,3 X 1,VERTICAL,PIN,.05" PITCH MATL	JP1
62	1 each	103376-0004R hdr1x4_1p27	PL	HEADER,4 X 1,VERTICAL,PIN,.05" PITCH MATL	JP2
63	2 each	103248-0003R	PL	HEADER,3 X 2,VERTICAL,PIN,.05" PITCH SUBA	TP6_TP10_TP1_TP2_T P12_TP13, TP8_TP7_TP3_TP4_TP 11_TP14
64	1 each	103248-0001R	PL	HEADER,1 X 2,VERTICAL,PIN,.05" PITCH SUBA	TP5_TP9
66	1 each	100116-0004R hdr2x4-6040	PL	HEADER,4 X 2,VERTICAL,PIN SUBA	J2
68	1 each	100116-0007R JUMP2X7-6040	PL	HEADER,7 X 2,VERTICAL,PIN SUBA 2011-2X07G00SB/SN	J1 Oupiin
70	1 each	103892-0001R batthold-hld-001	PS	BATTERY HOLDER,SMT,FOR CR2032 COIN CELL MATL BAT-HLD-001	B1 Linx Technologies Inc
75	3 each	R0603-NOPOP r603-35X45	PS	NP	R4, R5, R6

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76	12 each	TP-20RD10-NO-POP	PS	NP	TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25, TP26
		tp-20RD10			
77	3 each	C0603-NOPOP	PS	NP	C14, C15, C16
		c603-35x45			