

11/10/2000

WORLD WIRELESS COMM. / X-TRAWEB

11:43:35

Bill of Material with Ref Designators & AVL

Customer: Product No: 011-1350 /A Description: 9

Item	Source	Part Number	Rev	Class	Type	Description	U/K
		Manufacturer		Mfgr	Part number		
1	BUY	560-0025		WRE,CBLE WIRE		24AWG SOLID BLACK	
		GENR					
2	BUY	154-2162		CAP-SMT	CER-0603330pF,5%,NPO		Y
		GENR					
		MURATA			GRM39C0G331JO50AD		
3	BUY	154-2154		CAP-SMT	CER-060347pF,16V,5%,NPO		
		GENR			CL10C470JBNC		
		GENR					
		PANASONIC			ECU-X1H470JCV		
		MURATA					
		AVX CORP			06035a470jat2a		
		ROHM CO LTD			MCH185A470JK		
4	BUY	154-2465		CAP-SMT	CER-0603.1uF,16V,5%,NPO		\
		GENR					
		PANASONIC			ECU-X1C104JBV		
		PANASONIC			ECU-X1C104JCV		
		AVX CORP			0603YC104KAT2A		
		CAL CHIP			GMC10X7R104J50NT		
5	BUY	154-0010		CAP-SMT	CER-06031200pF,16V,5%		Yi

GENR

MURATA

GRM39COG121J050AD

6 BUY 154-0836

CAP-SMT CER-0603.01uF,16V,5%,NPO

GENR

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		PANASONIC				ECU-X1H103JCV	
		MURATA				GRM39X7R103KO50AD	
		ROHM CO LTD				MCH185C103KK	

7 BUY 154-0125

CAP-SMT CER-06032.7pF,16V,5%,NPO

GENR

PANASONIC

ECU-X1H2R7JCV

CAPACITOR ASSOCIATES

MCH185A2R7CK

CAL CHIP

0603CG2R7C500

8 BUY 154-2645

CAP-SMT CER-06031pF,16V,5%,NPO

GENR

PANASONIC

ECU-X1H010JCV

MURATA

GRM39COG010C050AD

9 BUY 154-2500

CAP-SMT CER-06033.3pF,16V,5%,NPO

GENR

PANASONIC

ECU-X1H3R3JCV

MURATA

GRM39COG3R3C050AD

10 BUY 154-2466

CAP-SMT CER-0603220pF,16V,5%,NPO

GENR

PANASONIC

ECU-X1H221JCV

MURATA

GRM39COG221J050AD

11 BUY 154-0122

CAP-SMT CER-06032.2pF,16V,5%,NPO

GENR

PANASONIC

ECU-X1H2R2JCV

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		MURATA				GRM39COG2R2C050AD	
		ROHM CO LTD				mch185a2r2ck	

12 BUY 154-2643

CAP-SMT CER-0603.027uF,16V,5%,X7R

GENR

13 BUY 154-2755

CAP-SMT CER-0603470pF,16V,5%,NPO

PANASONIC

ECU-X1H474JCV

NIC COMPONENTS CORP

NMC0603NPO471J50TRP

14 BUY 154-2467

CAP-SMT CER-06038.2pF,16V,5%,NPO

GENR

PANASONIC

ECU-X1H8R2JCV

MURATA

GRM39COG8R2C050AD

15 BUY 154-2641

CAP-SMT CER-06033.9pF,16V,5%,NPO

GENR

PANASONIC

ECU-X1H3R9JCV

MURATA

GRM39COG3R9C050AD

16 BUY 154-2642

CAP-SMT CER-06031.2pF,16V,5%,NPO

GENR

PANASONIC

ECU-X1H1R2JCV

17 BUY 154-0838

CAP-SMT CER-06036.8pF,16V,5%,NPO

GENR

PANASONIC

ECU-X1H6R8JCV

AVX CORP

06035A6R8CAT2A

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		Manufacturer				Mfgr Part number	

18 BUY 380-0754

HDR-THRH HEADER .100,1X4,N,S,N,N,T

AMP

640452-4

MOLEX INC

22-03-2041

19 BUY 380-2518

HDR-THRH HEADER .100,1X5,N,S,N,N,T

GENR

AMP

640452-5

MOLEX INC

22-03-2051

20 BUY 330-0424

IND-SMT IND-100810uH

Yes E

PANASONIC

ELJ-FC100JF

DIGIKEY

PCD1240CT-ND

21 BUY 330-0004

IND-SMT IND-06038.2nH,5%

Yes

GENR

TOKO AMERICA INC

LL1608-F8N2J

22 BUY 330-0018

IND-SMT IND-100815nH,5%

Yes

GENR

COILCRAFT

1008CS-150XJBC

23 BUY 330-0791

IND-SMT IND-100822nH,5%

Yes

GENR

COILCRAFT

1008CS-220XJBC

24 BUY 330-2395

IND-SMT IND-08054.7nH

Yes E

PANASONIC

ELJ-FD4N7KF

TOKO AMERICA INC

LL2012-F4N7K

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Description: 9

Item	Source	Part Number Manufacturer	Rev	Class Mfgr	Type Part number	Description	U/K
		DIGIKEY		TKS2365TR-ND			
25	BUY	330-0025		IND-SMT	IND-060327nH,5%		Yes
		TOKO AMERICA INC		LL1608-F27NJ			
26	BUY	330-2648		IND-SMT	IND-08056.8nH,5%		Yes
		GENR					
		TOKO AMERICA INC		LL2012-F6N8J			
27	BUY	211-0209		TRAN-S	SOT-23	MMBT3904LT1,NPN	
		GENR					
		NATIONAL SEMICONDUCTOR CO			MMBT3904		
		MOTOROLA			MMBT3904LT1		
		LITEON OPTOELECTONICS VISHAY			MMBT3904-7		
28	BUY	211-0210		TRAN-S	SOT-23	MMBT3906LT1,PNP	
		GENR					
		MOTOROLA			MMBT3906LT1		
29	BUY	210-2508		TRAN-S	SOT-143	NE68839 NPN RF	Y
		GENR					
		NEC ELECTRONICS INC			NE68839		
30	BUY	210-2431		TRAN-S	OTHER	NE68139	Yes
		GENR					
		NEC ELECTRONICS INC			NE68139-T1-R37		
31	BUY	112-0028		RES SMT	0603	68,5%	Yes EA

GENR

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Item	Source	Part Number Manufacturer	Rev	Class Mfgr Part number	Type	Description	U/K
		DALE - VISHAY		CRCW0603-680JRT1			
32	BUY	112-2654		RES SMT	0603	6.8K OHM,5%	Yes
		GENR					
33	BUY	112-0011		RES SMT	0603	4.3K,5%	Yes E
		GENR					
		DALE - VISHAY		CRCW0603-432JRT1			
34	BUY	112-0012		RES SMT	0603	3.3K,5%	Yes E
		GENR					
		DALE - VISHAY		CRCW0603-332JRT1			
35	BUY	112-2658		RES SMT	0603	180 OHM,5%	Yes
		GENR					
		PANASONIC		ERJ-3GSYJ181V			
36	BUY	112-2662		RES SMT	0603	1.5K OHM,5%	Yes
		GENR					
		PANASONIC		ERJ-3GSYJ152V			
37	BUY	112-2186		RES SMT	0603	10K OHM,5%	Yes

GENR

PANASONIC

ERJ-3GSYJ103V

DALE - VISHAY

CRCW0603-103-J

38	BUY	112-2185		RES SMT	0603	68K OHM,5%	Yes
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GENR

DALE - VISHAY

CRCW0603680JRT1

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Customer:	Product No:	011-1350	/A	Description:	9
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Item	Source	Part Number	Rev	Class	Type	Description	U/K
		Manufacturer		Mfgr	Part number		

39	BUY	112-0013		RES SMT	0603	110,5%	Yes	E/
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GENR

40	BUY	112-0027		RES SMT	0603	12K,5%	Yes	E/
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GENR

DALE - VISHAY

CRCW0603-123JRT1

41	BUY	112-2656		RES SMT	0603	22K OHM,5%	Yes
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GENR

42	BUY	112-2748		RES SMT	0603	470K OHM, 5%	Yes
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GENR

PANASONIC

ERJ-3GSYJ471V

43	BUY	112-0014		RES SMT	0603	150K,5%	Yes	E
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GENR

DALE - VISHAY

CRCW0603154JRT1

44 BUY 112-2191

RES SMT 0603 82K OHM,5%

Yes

GENR

ROHM CO LTD

MCR03EZJH823

45 BUY 112-0842

RES SMT 0603 47K OHM, 5%

Yes

GENR

DALE - VISHAY

CRCW0603-473JRT

46 BUY 112-0843

RES SMT 0603 680 OHM,5%

Yes

GENR

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Item	Source	Part Number	Rev
	Manufacturer		

Class	Type	Description
Mfgr	Part number	

U/K

47 BUY 112-2192

RES SMT 0603 100K OHM,5%

Yes

GENR

PANASONIC

ERJ-3GSYJ104V

DALE - VISHAY

CRCW0603-104JRT1

ROHM CO LTD

MCR03EZJH104

48 BUY 112-1785

RES SMT 0603 470 OHM, 5%

Yes

GENR

DALE - VISHAY

CRCW0603-471JRT1

NIPPON IND.

NRC06J471TR

50 BUY 112-2458

RES SMT 0603 18K OHM,5%

Yes

GENR

PANASONIC

ERJ-3GSYJ183V

DALE - VISHAY

CRCW0603-183JRT1

51 BUY 112-2189

RES SMT 0603 330,5%

Yes E/

PANASONIC

ERJ-3GSYJ331V

52 BUY 112-0015

RES SMT 0603 3.3M,5%

Yes E

GENR

53 BUY 320-2824

IND-THRH SAW FLTR916.5MHz,TO39-3

RF MONOLITHICS

RF1181

54 BUY 320-2825

IND-THRH SAW FLTR915.00MHz

Ye

RF MONOLITHICS

RF1094

55 BUY 320-1241

IND-THRH SAW FLTR916.55MHz,TO39-3

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Description: 9

Item Source Part Number
Manufacturer

Rev

Class Type Description
Mfgr Part number

U/K

RF MONOLITHICS

RF1285

56 BUY 220-0026

IC-THRH MK-484

Yes EACI

GENR						
57	BUY	230-0027		IC-SMT TO-6	MMIC,Freq Conv,UPC2757T	
GENR						
NEC ELECTRONICS INC				UPC2757T		
58	BUY	230-0287		IC-SMT SO-8	TLC272	Yes EA
TEXAS INSTRUMENT				TLC272ACD		
59	BUY	630-0016		FAB-PART SHIELD	MicroPulse Shield	Ye
GENR						
BMI				WOR-0001-00		
60	BUY	022-1350	A	PCB-RAW PANEL	900 uPulse Radio	Y
GENR				022-1350		

BOM

100 uPULSE RADIO

U/M	Qty	Ea	Ref	Des
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Yes	FT		0.50	ANT-1,ANT-2
-----	----	--	------	-------------

es	EACH		1.00	C24
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Yes	EACH		7.00	C2,C11,C14,C22,C23,C30,C32
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Yes	EACH		5.00	C3,C8,C12,C13,C17
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es	EACH		2.00	C1,C4
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Yes EACH 2.00 C5,C6

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BOM

100 uPULSE RADIO

U/M Qty Ea Ref Des

Yes EACH 1.00 C7

Yes EACH 1.00 C9

Yes EACH 1.00 C10

Yes EACH 1.00 C15

Yes EACH 4.00 C16,C19,C25,C28

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BOM

100 uPULSE RADIO

U/M	Qty	Ea	Ref	Des
-----	-----	----	-----	-----

Yes	EACH	1.00	C18	
-----	------	------	-----	--

Yes	EACH	1.00	C20	
-----	------	------	-----	--

Yes	EACH	1.00	C21	
-----	------	------	-----	--

Yes EACH 5.00 C26,C27,C29,C34,C35

Yes EACH 1.00 C31

Yes EACH 1.00 C33

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BOM

100 uPULSE RADIO

U/M Qty Ea Ref Des

Yes EACH 1.00 J1

Yes EACH 1.00 J2

EACH 1.00 L1

EACH 4.00 L2,L7,L8,L9

EACH 1.00 L3

EACH 1.00 L4

EACH 1.00 L5

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BOM

100 uPULSE RADIO

U/M	Qty	Ea	Ref	Des
-----	-----	----	-----	-----

EACH	1.00	L6		
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EACH	1.00	L10		
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Yes	EACH	1.00	Q1	
-----	------	------	----	--

Yes	EACH	1.00	Q4	
-----	------	------	----	--

'es	EACH	1.00	Q5	
-----	------	------	----	--

EACH	3.00	Q2,Q3,Q6		
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\CH	2.00	R23,R30		
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BOM

100 uPULSE RADIO

U/M	Qty	Ea	Ref	Des
-----	-----	----	-----	-----

EACH	1.00		R1	
------	------	--	----	--

ACH	1.00		R2	
-----	------	--	----	--

ACH	1.00		R3	
-----	------	--	----	--

EACH	1.00		R4	
------	------	--	----	--

EACH	1.00		R5	
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EACH	5.00		R6,R8,R11,R12,R22	
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EACH 1.00 R7

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BOM

100 uPULSE RADIO

U/M	Qty	Ea	Ref	Des
-----	-----	----	-----	-----

ACH	2.00	R9,R10
-----	------	--------

ACH	1.00	R25
-----	------	-----

EACH	1.00	R13
------	------	-----

EACH	1.00	R14
------	------	-----

EACH	1.00	R15
------	------	-----

EACH	1.00	R16
------	------	-----

EACH	1.00	R17
------	------	-----

EACH	1.00	R18
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BOM

100 uPULSE RADIO

U/M	Qty	Ea	Ref	Des
-----	-----	----	-----	-----

EACH	2.00	R19,R20
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EACH	1.00	R21
------	------	-----

EACH 1.00 R26

ACH 1.00 R27

ACH 1.00 R28

Yes EACH 1.00 SAW-1

es EACH 1.00 SAW-2

Yes EACH 1.00 SAW-3

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BOM

100 uPULSE RADIO

U/M Qty Ea Ref Des

H 1.00 U1

Yes EACH 1.00 U2

.CH 1.00 U3

is EACH 1.00 S1

'es EACH 1.00