

91-0115 PCBA WIS 1G Belt Pack Transmitter -- V6.0A				Bill of Materials -- 2 October 2017		PCB Footprint	Tol	Volt	Reference
Qty	RDGI PN	Description	Manufacturer	Mfr Part Number	Part				
1	11-0389	Shield Base Belt Pack TX 30mm Square	Würth	36103305					
1	11-0390	Shield Lid Belt Pack TX 30mm Square	Würth	36003300					
1	21-0340	Conn Receptacle 80 Pos JMD	JST	80R-JMDSS-G-1-TF(LF)	80R-JMDSS-G-1-TF	HDR-2X40-JMDSS-P			P1
1	21-0407	Receptacle Pin #18 Contact SMT	Mill-Max	6628-0-18-15-18-27-10-0	6628-0-18-15-18-27-10-0	HDR_6628-0			P2
1	2C-0410	PCB WIS 1G Belt TX V6	NCAB	2C-0410					
1	2J-0521	Stencil WIS 1G Belt TX V6 (T) 20X20	Beam On	2J-0521					
1	2J-0522	Stencil WIS 1G Belt TX V6 (B) 20X20	Beam On	2J-0522					
5	31-0184	RES ERJ 0402 0 ohm jumper	Panasonic	ERJ-2GE0R00X	0 Ohm	CR0402		16V	R3,R20,R45,R54,R72
1	31-0491	RES ERJ 1206 Jumper 0 ohm	Panasonic	ERJ-8GEY0R00V	0 ohm	CC1206			C26
1	31-0845	RES ERJ 0603 1/10W ±1% 2.49k	Panasonic	ERJ-3EKF2491V	2.49k	CR0603	1%		R17
4	31-0875	RES ERJ 0402 1/16W ±1% 1k	Panasonic	ERJ-2RKF1001X	1K	CR0402	1%		R67,R68,R69,R70
1	31-0878	RES ERJ 0402 1/16W ±1% 2.49k	Panasonic	ERJ-2RKF2491X	2.49K	CR0402	1%		R65
1	31-0890	RES ERJ 0402 1/16W ±5% 4.7k	Panasonic	ERJ-2GEJ472X	4.7K	CR0402	5%		R4
3	31-0892	RES ERJ 0402 1/16W ±1% 10k	Panasonic	ERJ-2RKF1002X	10k	CR0402	1%		R22,R46,R52
2	31-0901	RES ERJ 0402 1/16W ±5% 30 ohm	Panasonic	ERJ-2GEJ300X	30 ohm	CR0402			R1,R5
2	31-0933	RES ERJ 0402 1/16W ±1% 147 ohm	Panasonic	ERJ-2RKF1470X	147 ohm	CR0402	1%		R13,R14
2	31-0934	RES ERJ 0402 1/16W ±1% 115 ohm	Panasonic	ERJ-2RKF1150X	115 ohm	CR0402	1%		R15,R16
1	31-1141	RES ERJ 2010 3/4W ±5% 4.7 ohm	Panasonic	ERJ-12ZYJ4R7U	4.7 ohm	CR2010	5%	3/4W	R66
1	37-0058	CAP TANT 7343X 16V ±10% 100uF	Kemet	T491X107K016AT	100uF	CAPT77343		16V	C93
1	38-0023	CAP 0402 C0G 50V ±5% 33pF	Kemet	C0402C30J5GACTU	33pF	CC0402	5%	50V	C72
1	38-0026	CAP 0402 C0G 50V ±5% 47pF	Kemet	C0402C470J5GACTU	47pF	CC0402	5%	50V	C70
5	38-0045	CAP 0402 X7R 50V ±10% 1nF	Kemet	C0402C102K5RACTU	1nF	CC0402	10%	50V	C12,C67,C68,C94,C105
1	38-0085	CAP 0603 C0G 50V ±5% 15pF	Kemet	C0603C150J5GACTU	15pF	CC0603	5%	50V	C106
6	38-0476	CAP 0402 X5R 16V ±10% 220nF	TDK	C1005X5R1C224K050BB	0.22uF	CC0402	10%	16V	C1,C2,C3,C6,C7,C8
2	38-0487	CAP 0805 C0G 25V ±5% 27nF	Kemet	C0805C27J3J3GAC7800	27nF	CC0805	5% NPO	25V	C25,C30
5	38-0488	CAP 0805 C0G 16V ±5% 47nF	Kemet	C0805C47J3J4GAC7800	47nF	CC0805	5% NPO	16V	C21,C22,C23,C24,C29
3	38-0489	CAP 0603 C0G 25V ±5% 10nF	Kemet	C0603C10J3J3GACTU	10nF	CC0603	5% NPO	25V	C27,C28,C110
2	38-0516	CAP 0402 C0G 25V ±5% 560pF	TDK	C1005C0G1E561J	560pF	CC0402	5%	25V	C4,C10
13	38-0540	CAP 0402 X7R 50V ±10% 100nF	TDK	C1005X7R1H104K050BB	0.1uF	CC0402	10%	50V	C19,C20,C31,C32,C34,C64,C65,C66,C74,C77,C98,C99,C112
1	38-0545	CAP 0402 X5R 10V ±10% 4.7uF	Tdk	C1005X5R1A475K050BC	4.7uF	CC0402	10%	10V	C109
2	38-0588	CAP 0603 X5R 25V ±10% 3.3uF	TDK	C1608X5R1E335K080AC	3.3uF	CC0603	10%	25V	C103,C104
1	3A-0070	IND 0603CS ±2% 100nH	Coilcraft	0603CS-R10XGLW	100nH	IND_0603CS	2%		L7
1	3A-0660	IND 0603CS ±5% 10nH	Coilcraft	0603CS-10NXJLW	10nH	IND_0603CS	5%		L10
1	3A-0662	IND 0603CS ±5% 12nH	Coilcraft	0603CS-12NXJLW	12nH	IND_0603CS	5%		L18
1	3A-0685	IND 0603CS ±2% 18nH	Coilcraft	0603CS-18NXGLW	18nH	IND_0603CS	2%		L19
1	3A-0695	IND 0603CS ±5% 39nH	Coilcraft	0603CS-39NXJL	39nH	IND_0603CS	5%		L22
1	3A-0788	IND 0805CS ±5% 56nH	Coilcraft	0805CS-560XJLC	56nH	IND_0805CS	5%		L21
1	3A-0793	IND 0402CS ±2% 5.1nH	Coilcraft	0402CS-SN1XGLW	5.1nH	IND_0402CS	2%		L1
1	3A-0800	IND 0603CS ±5% 120nH	Coilcraft	0603CS-R12XJLW	120nH	IND_0603CS	5%		L20
1	3A-0824	0402CS-3N6XGLW IND 0402 2% 3.6nH	Coilcraft	0402CS-3N6XGLW	3.6nH	IND_0402CS	2%		L3
1	42-1001	MOSFET P-Channel 2.5V Specified Power Trench	Fairchild	FDN338P	FDN338P	SOT23			Q1
1	42-1024	MOSFET N-CH 30V 1.7A SSOT3	Fairchild	NDS355AN	NDS355AN	SOT23			Q14
1	4I-0311	Diode PIN RF HSMP-3824 Common Cathode SOT-23	Avago	HSMP-3824	HSMP-3824	SOT23			D1
1	54-0528	CAT25080Y1 IC EEPROM SPI 8K Bit 20MHz TSSOP-8	ON Semi	CAT25080Y1-GT3	CAT25080Y1-GT3	CFP8P65_300X640X120L62X24N			U35
1	57-0723	IC DAC 8 Bit Resistor String SC70-6	Analog Devices	AD5601BKSZ	AD5601BKSZ	SC70-6			U17
1	58-0285	IC Op Amp Low Power Rail-to-Rail I/O SOT23-6	Analog Devices	ADA4841-1YRJZ	ADA4841-1YRJZ	SOT23-6			U18
2	58-0314	IC Op Amp 215MHz 3.4mA SOT23-6	Linear Tech	LT6230IS6#TRMPBF	LT6230IS6	SOT23-6			U8,U9
1	58-0325	LTC6362 IC Op Amp Rail-to-Rail ADC Driver DFN-8	Linear Tech	LTC6362IDD#TRPBF	LTC6362IDD	QFN50P300X300-9			U25
1	68-0525	Filter Low Pass DC to 190 MHz	Mini-Circuits	LCFN-190+	LCFN-190	FIL_LFCN			FL1
1	71-0027	IC RF Amplifier High Linearity 50 to 1500 MHz SOT-89	TriQuint	TQP7M9105	TQP7M9105	SOT89			U15
1	71-0029	RF LNA MMIC GaAs SOT-363	Avago	MGA-68563-TR1G	MGA-68563	SOT363-6			U16
1	72-0218	Attenuator Voltage Controlled 50MHz to 4GHz 30dB QFN-16	RFMD	RFSA2013TR7	RFSA2013	QFN50P300X300-17			U14
2	7A-0114	IC RF Synthesizer Dual Band Integrated VCO QFN-28	Silicon Labs	Si4112-D-GM	Si4112-GM	QFN50P500X500-29			U1,U3
1	7A-0126	LTC5599 IC Quadrature Modulator 30 MHz to 1300 MHz QFN-24	Linear Tech	LTC5599IUF#TRPBF	LTC5599IUF	QFN50P400X400-25			U24
1	C7-0200	DNI (BOM Place Holder for DNI Parts)			DNI - Antenna	HDR-1			J5,TP4,TP5,TP6,MH1,MH2,MH3,MH4
2	C7-0201	Do Not Install - CC0402			DNI	CC0402			C97,C113
7	C7-0202	Do Not Install - CR0402			DNI	CR0402			R7,R8,R21,R23,R47,R55,R71
1	C7-0203	Do Not Install - CC0603			DNI	CC0603			C80
1	C7-0205	Do Not Install - CC0805			DNI	CC0805			C95