

91-0125 PCBA WIS 1G Base TX Module -- V5.0A

Qty	RDGI PN	Description
2	23-0652	REC Mezzanine Straight 0.8mm 40 Pos
1	25-0006	Conn RF MMCK Receptacle Thru-Hole L-115"
1	1C-0416	PCB WIS 1G Base Station TX Module V5
1	1J-0524	Stencil WIS 1G Base TX Module V5 (T) 20X20
1	1J-0387	Stencil WIS 1G Base TX Module V3 (T/8)
5	31-0184	RES ERJ 0402 0 ohm jumper
6	31-0189	RES ERJ 0402 1/16W ±5% 10K
1	31-0189	RES ERJ 0402 1/16W ±5% 100K
3	31-0235	RES ERJ 0402 1/16W ±5% 20K
25	31-0240	RES ERJ 0402 1/16W ±5% 22K
2	31-0261	RES ERJ 0402 1/16W ±5% 3.0K
1	31-0302	RES ERJ 0402 1/16W ±5% 5.1K
1	31-0548	RES ERJ 0402 1/16W ±1% 332K
1	31-0622	RES ERJ 0805 Jumper 0 ohm
4	31-0875	RES ERJ 0402 1/16W ±1% 1K
1	31-0878	RES ERJ 0402 1/16W ±1% 2.49K
4	31-0890	RES ERJ 0402 1/16W ±5% 4.7K
3	31-0901	RES ERJ 0402 1/16W ±5% 30 ohm
1	31-0933	RES ERJ 0402 1/16W ±1% 147 ohm
2	31-0934	RES ERJ 0402 1/16W ±1% 115 ohm
1	31-0938	RES ERJ 0402 1/16W ±1% 49.9 ohm
1	31-0960	RES ERJ 0402 1/16W ±1% 18.7K
2	31-1004	RES ERJ 0402 1/16W ±1% 499 ohm
1	31-1111	RES ERJ 0402 1/16W ±1% 16.9K
1	31-1113	RES ERJ 0402 1/16W ±1% 15 ohm
1	31-1118	RES ERJ 0402 1/16W ±1% 10 ohm
1	31-1143	RES ERJ 0402 1/16W ±1% 953 ohm
1	37-0067	CAP TANT 7343 25V ±10% 22uF
3	38-0045	CAP 0402 X7R 50V ±10% 1nF
1	38-0085	CAP 0603 COG 50V ±5% 15pF
1	38-0259	CAP 0603 X7R 50V ±10% 47nF
1	38-0323	CAP 0603 X7R 50V ±10% 4.7nF
1	38-0392	CAP 0603 X5R 16V ±10% 2.2uF
1	38-0402	CAP 0402 X5R 10V ±10% 1uF
2	38-0474	CAP 0402 COG 50V ±5% 470pF
1	38-0475	CAP 0805 X5R 16V ±10% 22uF
1	38-0476	CAP 0402 X5R 16V ±10% 220nF
1	38-0478	CAP 0402 X5R 16V ±10% 470nF
2	38-0487	CAP 0805 COG 25V ±5% 27nF
5	38-0488	CAP 0805 COG 16V ±5% 47nF
3	38-0489	CAP 0603 COG 25V ±5% 10nF
2	38-0518	CAP 0603 X5R 10V ±10% 10uF
60	38-0540	CAP 0402 X7R 50V ±10% 100nF
7	38-0541	CAP 0402 X7R 50V ±10% 10nF
1	38-0545	CAP 0402 X5R 10V ±10% 4.7uF
4	38-0575	CAP 0603 X5R 25V ±10% 1uF
2	38-0598	CAP 0603 X5R 25V ±10% 3.3uF
1	3A-0346	IND 1008CS ±5% 1uH
2	3A-0678	IND 0603CS ±5% 220nH
1	3A-0955	IND 0603CS ±5% 30nH
1	3A-0746	IND LQH44P ±20% 15uH
1	51-0138	IC DSP Fixed Point 16 Bit 179-BGA RoHS
1	53-1028	NC7SZS8P6X IC Logic LHS 2 Input SC70-6
2	53-1030	NC7SZS8P6X IC Tiny Logic Configurable 2-Input
1	53-1054	IC Logic D Flip Flop Single USB
1	54-0510	IC EEPROM Serial Two-Wire TSSOP-8
5	57-0719	IC DAC 16-Bit Quad Channel TSSOP-16
1	58-0313	IC Op Amp Dual 215MHz 3.4mA Industrial DFN-8
1	58-0325	LT6360Z IC Op Amp Rail-to-Rail ADC Driver DFN-8
1	5C-0054	IC VLDIO Linear Regulator Low Noise Adjustable TSOT-23
1	5C-0079	LT3080LDDMPBF IC Reg LDO Adjustable 1.1A DFN-8
1	5F-0058	IC Supervisor TPS109K33 Ultra Low Current
2	64-0054	Filter EMI LC High Frequency 1000pF 2606
1	7A-0124	IC RF Synthesizer 370MHz to 5700MHz Integrated VCO QFN-28
1	7A-0126	LTCS599 IC Quadrature Modulator 30 Mhz to 1300 Mhz QFN-24
24	7C-0200	DNI (BOM place holder for DNI parts)
3	7C-0201	Do Not Install - CC0402
5	7C-0202	Do Not Install - CR0402

Bill of Materials -- 19Feb18

Manufacturer	Mfr Part Number	Part	PCB Footprint	Tol	Volt	Reference
Hirose	FX6-40S-0.8SV(71)	FX6-40S-0.8SV(71)	HDR-2X20-FX6-40S			P1,P2
Molex	73415-1471	MMCX-TH-FM	MMCX-TH-J			J3
NCAB	2C-0416					
Beam On	24-0524					
Beam On	2J-0387					
Panasonic	ERJ-2GE0R00X	0ohm	CR0402	1%		R47,R50,R74,R75,R83
Panasonic	ERJ-2GEJ103Y	10K	CR0402	5%		R6,R26,R37,R38,R46,R82
Panasonic	ERJ-2GEJ104X	100K	CR0402	5%		R5
Panasonic	ERJ-2GEJ203X	20K	CR0402	5%		R1,R21,R22
Panasonic	ERJ-2GEJ223Y	22K	CR0402	5%		R8,R9,R11,R12,R13,R14,R15,R16,R17,R18,R19,R20,R23,R24,R25,R26,R27,R29,R30,R31,R32,R33,R34,R35,R36
Panasonic	ERJ-2GEJ302X	3K	CR0402	5%		R3,R4
Panasonic	ERJ-2GEJ512X	5.1K	CR0402	5%		R2
Panasonic	ERJ-2RK5332X	332K	CR0402	1%		R81
Panasonic	ERJ-6GEY0R00V	0 ohm	CC0805			C64
Panasonic	ERJ-2RKF1001X	1K	CR0402	1%		R77,R79
Panasonic	ERJ-2RKF2401X	2.49K	CR0402	1%		R57
Panasonic	ERJ-2GEJ472X	4.7K	CR0402	5%		R39,R41,R44,R45
Panasonic	ERJ-2GEJ300X	30 ohm	CR0402	5%		R40,R42,R43
Panasonic	ERJ-2RKF1470X	147 ohm 1%	CR0402	1%		R52,R53
Panasonic	ERJ-2RKF1150X	115 ohm 1%	CR0402	1%		R51,R54
Panasonic	ERJ-2RKF4989X	50 ohm	CR0402	1%		R70
Panasonic	ERJ-2RKF1872X	18.7K	CR0402	1%		R7
Panasonic	ERJ-2RKF4990X	499 ohm	CR0402	1%		R76,R78
Panasonic	ERJ-2RKF1692X	16.9K	CR0402	1%		R10
Panasonic	ERJ-2RKF1500X	15 ohm	CR0402	1%		R65
Panasonic	ERJ-2RKF10R0X	10 ohm	CR0402	1%		R64
Panasonic	ERJ-2RKF9530X	953 ohm	CR0402	1%		R71
Kemet	T4910220025AT	22uF	CAPT7343	10%	25V	C75
Kemet	CC0402C102XSRACTU	1nF	CC0402	10%	50V	C89,C91,C108
Kemet	CC0603C150UGACTU	15pF	CC0603	5%	50V	C113
Kemet	CC0603C479SGRACTU	47nF	CC0603	10%	50V	C98
Kemet	CC0603C472XSRACTU	4.7nF	CC0603	10%	50V	C94
Kemet	CC0603C22K4FRACTU	2.2uF	CC0603	10%	16V	C92
Kemet	CC0402C1058PRACTU	1uF	CC0402	10%	10V	C16
Murata	GRM1555C1H471JAO1D	470pF	CC0402	5%	50V	C87,C88
TDK	C2012KSR1C226K125AC	22 uF	CC0805	10%	16V	C63
TDK	C1005XSR1C224K050B8	0.22uF	CC0402	10%	16V	C7
TDK	C1005XSR1C474K050B8C	0.47 uF	CC0402	10%	16V	C4
Kemet	CC0805C273J3GAC7800	27 nF	CC0805	5%	COG 25V	C61,C66
Kemet	CC0805C473J3GAC7800	47 nF	CC0805	5%	COG 16V	C58,C59,C60,C62,C65
Kemet	CC0603C103J3GACTU	10nF	CC0603	5%	COG 25V	C80,C70,C97
TDK	C1608XSR1A100K	10uF	CC0603	20%	10V	C12,C14,C114,C116
TDK	C1005XSR1H104K050B8B	0.1uF	CC0402	10%	25V	C1,C2,C3,C5,C6,C8,C9,C10,C11,C13,C17,C57,C71,C76,C78,C86,C99,C106,C109,C18,C19,C20,C21,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C55,C56,C115,C1
TDK	C1005XSR1H103K050B8B	10nF	CC0402	10%	50V	C79,C81,C83,C84,C85,C86,C112,C118
TDK	C1005XSR1A475K050B8C	4.7uF	CC0402	10%	10V	C107
Taiyo Yuden	TMK107B1105KA-T	1uF	CC0603	10%	25V	C77,C80,C82,C96
TDK	C1608XSR1E155K050B8C	3.3uF	CC0603	10%	25V	C110,C111
Colcraft	1008CS-102XUL	1uH	IND_1008CS	5%		L3
Colcraft	0603CS-R22XULW	220nH	IND_0603CS	5%		L4,L5
Colcraft	0603CS-30XUL	30nH	IND_0603CS	5%		L8
Murata	LQH44P150R40JL	15uH	IND_LQH44P_J0	20%		L1
Texas Instruments	TM5320VC55072ZH	TM5320VC5507GHH	RG6AR0P14X14-179			U4
Fairchild	NC7SZS27P6X	NC7SZS27P6X	SC70-6			U14
Fairchild	NC7SZS8P6X	NC7SZS8P6X	SC70-6			U15,U16
Fairchild	NC7SZ74X8X	NC7SZ74X8X	TSSOP50P310-8			U5
ON Semi	CA724C1024B-TH	CA724C1024B-TH	TSSOP65P40-8			U1
Texas Instruments	DAC8565BPPW4	DAC8565BPPW	TSSOP65P40-16			U3
Linear Tech	LT6231DDTRPBF	LT6231DD	QFN50P300X300-9			U8
Linear Tech	LTCS362DDTRPBF	LTCS362DD	QFN50P300X300-9			U12
Linear Tech	LT1384E55-SQTRMPBF	LT1384E55-SQ	SOT23-5			U6
Linear Tech	LT3080EDDMPBF	LT3080EDD	QFN50P300X300-9			U11
Texas Instruments	TPS3106K330VR	TPS3106K330VR	SOT23-6			U2
Murata	NFE61PT102E1H9L	NFE61PT102E1H9	FLI_2606			FL1,FL2
Linear Tech	LT6946LUF0-18PBF	LT6946LUF0-1	QFN50P400X500-29			U9
Linear Tech	LTCS599LUF0TRPBF	LTCS599LUF0	QFN50P400X400-25			U13
		DNI	HDR-3			JLJ2,TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8,TP9,MH1,MH2,MH3,MH4,MH5,MH8,MH9,MH10,MH11,MH12,MH6,MH7
		DNI	CC0402			C15,C67,C68
		DNI	CR0402			R48,R49,R55,R56,R80