

Component list										
SSV2R1.02 OPAMPS										
<div><div></div><div>ORPYX</div></div>										
Report Date:		5/2/2014		2:06:07 PM						
Print Date:		03-Jun-15		12:43:20 PM						
Designator	Description	Quantity	Manufacturer 1	Partnumber 1	Manufacturer 2	Partnumber 2	Manufacturer 3	Partnumber 3	Manufacturer 4	Partnumber 4
B10, B75	BEAD 600O 500mA ±150m 0603	2	TDK	MPZ1608S601A	MURATA	BLM18AG601SN1D	BOURNS	MH1608-601Y		
Q82	BJT NPN MMBT3904 200mA 40V SC89-3	1	FAIRCHILD	MMBT3904T	DIODES INC	MMBT3904T-7-F	ON SEMI	MMBT3904TT1G		
C19, C20, C23, C24	CAP, 18pF, 50V, ±5%, NP0, 0402	4	MURATA	GRM1555C1H180JA01D	KEMET	C0402C180J5GACTU	AVX	04025A180JAT2A	NIC	NMC0402NPO180J50TRPF
C16	CAP, 220pF, 50V, ±5%, NP0, 0402	1	MURATA	GRM1555C1H221JA01D	KEMET	C0402C221J5GACTU	AVX	04025A221JAT2A	NIC	NMC0402NPO221J50TRPF
C89, C90	CAP, 47pF, 50V, ±5%, NP0, 0402	2	MURATA	GRM1555C1H470JA01D	KEMET	C0402C470J5GACTU	AVX	04025A470JAT2A	NIC	NMC0402NPO470J50TRPF
C86	CAP, 10nF, 50V, ±10%, X7R, 0402	1	MURATA	GRM155R71H103KA88D	KEMET	C0402C103K5RACTU	TDK	C1005X7R1H103K050BB	YAGEO	CC0402KRX7R9BB103
C10, C11, C12, C13, C14, C15, C21, C25, C26, C27, C28, C30, C32, C51, C53, C54, C55, C56, C75, C76, C81, C82, C84, C88	CAP, 100nF, 16V, ±10%, X7R, 0402	24	MURATA	GCM155R71C104KA55D	KEMET	C0402C104K4RACTU	AVX	0402YC104KAT2A		
C17, C18	CAP, 1uF, 10V, ±10%, X5R, 0402	2	MURATA	GRM155R61A105KE15D	KEMET	C0402C105K8PACTU	AVX	0402ZD105KAT2A	TDK	C1005X5R1A105K050BB
C22, C29, C77, C78, C83, C85	CAP, 10uF, 6.3V, ±20%, X5R, 0603	6	MURATA	GRM188R60J106ME47D	KEMET	C0603C106M9PACTU	AVX	06036D106MAT2A	NIC	NMC0603X5R106M6.3TRP4KF
C79, C80	CAP, 47uF, 6.3V, ±20%, X5R, 0805	2	TDK	C2012X5R0J476M125AC	KEMET	C0805C476M9PACTU	JOHANSON	6R3R15X476MV4E	TAIYO YUDEN	JMK212BJ476MG-T
CON2	CON SCK TH mini USB-B Pitch: 0.65mm 1 X 5 VERT	1	ATTEND	202D-FBN0-R						
HDR10	CON SCK SM Unshrouded Pitch: 50mil 1 X 4	1	SULLINS	LPPB041NFSC-RC						
D75	DIO SCHOTTKY 30V 0.2A SOD123	1	ON SEMI	MMSD301T1G						
Q76, Q77, Q80	MOSFET N-CH AND P-CH FDY4000CZ 0.4A SC89-6	3	FAIRCHILD	FDY4000CZ	ON SEMI	NTZD3155CT1G	VISHAY	Si1016X-T1-GE3	DIODES INC	DMC2004VK
B11	FIL SM 2450MHz Chip Multilayer LC Filter WLAN/BT IL	1	MURATA	LFB182G45BG2D280						
CON1	CON HDR TH Shrouded Pitch: 50mil 2 X 5 Height: 7.37mm	1	GRADCONN	BB02-BE101-KB2-B00000	SAMTEC	TFM-105-11-L-D				
U77	PWR CHARGER LOW BAT DETECT DFN3X2-8	1	LINEAR TECHNOLOGY	LTC4071IDDB#PBF						
U11	MCU PIC24 16-bit ULP TQFP-64	1	MICROCHIP	PIC24FJ64GA306-I/PT						
U51, U52, U53, U54, U76	OPA ULP R-R 2.3MHz QFN2X1.5-10	5	TEXAS INSTRUMENTS	TLV342SIRUGR						
U75	REG LDO 3.0V or 2.3V 150mA SON2X2-6	1	TEXAS INSTRUMENTS	TPS780230300DRV/R						

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U80	INT USB UART DFN3X3-12	1	FTDI	FT234XD-R						
D11	LED CHIPLED GRN 570nm 0603	1	ROHM	SML-D12FWT86	EVERLIGHT	QTLP600C4TR				
D10	LED CHIPLED RED 630nm 0603	1	ROHM	SML-D13VWT86A	EVERLIGHT	QTLP600C2TR				
U12	MEM EEPROM 2K I-TEMP SOT23-6	1	MICROCHIP	25AA02E48T-I/OT						
TH75	NTC SM 10k ±5% Thermistor	1	VISHAY	NTHS0402N02N1002JE						
R93, R95	RES, 27, ±1%, 1/16W, 100ppm,TKF, 0402	2	VISHAY	CRCW040227R0FKED	NIC	NRC4F27R0TRF	TE	CRG0402F27R	SAMSUNG	RC1005F270CS
R12, R13, R14, R51, R53, R55, R57, R59, R61, R63, R65	RES, 100, ±1%, 1/16W, 100ppm,TKF, 0402	11	VISHAY	CRCW0402100RFKED	NIC	NRC4F1000TRF	TE	CRG0402F100R	SAMSUNG	RC1005F101CS
R68, R84, R91	RES, 10k, ±1%, 1/16W, 100ppm,TKF, 0402, RES, 10k, ±1%, 1/16W, 100ppm,TKF, 0402, RES, 10k, ±1%, 1/16W,	3	VISHAY	CRCW040210K0FKED	NIC	NRC4F1002TRF	TE	CRG0402F10K	SAMSUNG	RC1005F103CS
R15, R81	RES, 100k, ±1%, 1/16W, 100ppm,TKF, 0402	2	VISHAY	CRCW0402100KFKED	NIC	NRC4F1003TRF	TE	CRG0402F100K	SAMSUNG	RC1005F104CS
R85	RES, 1.0M, ±1%, 1/16W, 100ppm,TKF, 0402	1	VISHAY	CRCW04021M00FKED	NIC	NRC4F1004TRF	TE	CRG0402F1M	SAMSUNG	RC1005F105CS
R87	RES, 10M, ±1%, 1/16W, 100ppm,TKF, 0402	1	VISHAY	CRCW040210M0FKED						
R75, R90	RES, 22k, ±1%, 1/16W, 100ppm,TKF, 0402	2	VISHAY	CRCW040222K0FKED	NIC	NRC4F2202TRF	TE	CRG0402F22K	SAMSUNG	RC1005F223CS
R50, R52, R54, R56, R58, R60, R62, R64	RES, 3.3k, ±1%, 1/16W, 100ppm,TKF, 0402	8	VISHAY	CRCW04023K30FKED	NIC	NRC4F3301TRF	TE	CRG0402F3K3	SAMSUNG	RC1005F332CS
R11, R78	RES, 4.7k, ±1%, 1/16W, 100ppm,TKF, 0402	2	VISHAY	CRCW04024K70FKED	NIC	NRC4F4701TRF	TE	CRG0402F4K7	SAMSUNG	RC1005F472CS
R88	RES, 4.7M, ±1%, 1/16W, 100ppm,TKF, 0402	1	VISHAY	CRCW04024M70FKED	YAGEO	RC0402FR-074M7L				
R10	RES, 56k, ±1%, 1/16W, 100ppm,TKF, 0402	1	VISHAY	CRCW040256K0FKED	NIC	NRC4F5602TRF	TE	CRG0402F56K	SAMSUNG	RC1005F563CS
R76	RES, 0, xxx, 1/16W, xxxppm,TKF, 0402	1	VISHAY	CRCW04020000Z0ED	NIC	NRC04Z0TRF	SAMSUNG	RC1005J000CS		
R77	RES, 22, ±1%, 1/4W, 100ppm,TKF, 1206	1	VISHAY	CRCW120622R0FKEA	BOURNS	CR1206-FX-22R0ELF	PANASONIC	ERJ-8ENF22R0V	SAMSUNG	RC3216F22R0CS
U10	SoC BLE 8051 Core I2C 256KB QFN6X6-40	1	TEXAS INSTRUMENTS	CC2541F256RHAR						
TVS75	TVS RailClamp RC0502A DUAL Low Capacitance SC89-6	1	SEMTECH	RCLAMP0502A.TCT						
TVS50, TVS51	TVS RailClamp RC2504P QUAD Low Capacitance SLP1616P	2	SEMTECH	RCLAMP2504P.TCT						
X11	XTAL SMD 32MHz 10pF 15ppm	1	EPSON TOYOCOM	FA-128 32.0000MF20X-K3	ABRACON	ABM11-32.000MHZ-B7G-T	ECS	ECS-320-13-42-CKM-TR		
X10	XTAL SMD 32.768kHz 12.5pF	1	EPSON TOYOCOM	FC-12M 32.768KHZ 30PPM 12.5pF						