



## AB-88MW3XX-V3 Bill of Material for RD-MW320

### Revision History

Document Type: Adapter Board - Bill of Material			
Revision History			
Design Revision	Document Revision	Release Date	Description of Change
V3.0	Rev 1.0	31-Jul-2020	Initial release.



## AB-88MW3XX-V3 Bill of Material for RD-MW320

RF Critical	Item Number	Quantity	Part Reference	Description	Manufacturer Part Number
--	1	1	U4	Stamp Module for 88MW320	NXP RD-88MW320-QFN-1B-2A v1.0
--	2	1	U13	IC REG LDO 1.5A ADJ SOIC-8	Linear-Tech LT1963AES8
--	3	1	U11	IC REG LDO LV 300mA ADJ SOT23-5	MicroChip MCP1824T-ADJE/OT
--	4	2	U6,U7	IC SNGL BUFF 3-STATE 1.65V-5.5V SC70-5	TI SN74LVC1G125DCK
--	5	1	U5	IC USB TO SERIAL UART DUAL 4.35V-5.25V LQFP-48L 0.5mm 7x7x1.6mm	FTDI FT2232D-REEL
--	6	1	Y1	XTAL 6MHz +/-30ppm FUND 8.5pF 120ohm 240C/+85C SMD-2 12.5X4.8X3.8mm	TXC AT-6.000MAGB-T
--	7	1	Y2	XOSC 32.768 kHz 3.3V +/-25ppm 15pF -10C/+70C SMD 3.2x2.5x1.0mm	TXC 7XZ-32.768KBA-T
--	8	5	R38,R39,R40,R62,R66	RES THICK FILM 330 ohm 1/16W 5% 0402 SMD	Cyntec PFR05S-331-JNH
--	9	8	R2,R3,R9,R19,R20,R29,R37,R51	RES THICK FILM 10K ohm 1/16W 5% 0402 SMD	Cyntec PFR05S-103-JNH
--	10	1	R95	RES THICK FILM 4.02K ohm 1/16W 1% 0402 SMD	Cyntec PFR05S-4021-FNH
--	11	1	R96	RES THICK FILM 6.98K ohm 1/16W 1% 0402 SMD	Cyntec PFR05S-6981-FNH
--	12	1	R76	RES THICK FILM 20.5K ohm 1/16W 1% 0402 SMD	Cyntec PFR05S-2052-FNH
--	13	1	R75	RES THICK FILM 147K ohm 1/16W 1% 0402 SMD	Cyntec PFR05S-1473-FNH
--	14	21	R4,R5,R14,R22,R24,R25,R32,R33,R36,R43,R44,R45,R59,R71,R73,R78,R80,R81,R84,R93,R94	RES THICK FILM 0 ohm 1/16W 5% 0402 SMD	Cyntec PFR05S-000-XNH
--	15	10	R41,R42,R46,R47,R48,R49,R53,R54,R55,R56	RES THICK FILM 33 ohm 1/16W 5% 0402 SMD	Cyntec PFR05S-330-JNH
--	16	1	R92	RES THICK FILM 150 ohm 1/16W 5% 0402 SMD	Cyntec PFR05S-151-JNH
--	17	1	R50	RES THICK FILM 470 ohm 1/16W 5% 0402 SMD	Cyntec PFR05S-471-JNH
--	18	1	R58	RES THICK FILM 1K ohm 1/16W 5% 0402 SMD	Cyntec PFR05S-102-JNH
--	19	1	R52	RES THICK FILM 1.5K ohm 1/16W 5% 0402 SMD	Cyntec PFR05S-152-JNH
--	20	2	R61,R89	RES THICK FILM 1.8K ohm 1/16W 5% 0402 SMD	Cyntec PFR05S-182-JNH
--	21	5	R72,R74,R85,R86,R87	RES THICK FILM 2.2K ohm 1/16W 5% 0402 SMD	Cyntec PFR05S-222-JNH
--	22	16	C5,C6,C7,C8,C9,C12,C14,C15,C20,C21,C22,C26,C31,C33,C35,C36	CAP CER 0.1uF 20% 16V X7R 0402 (0.5MM)	MURATA GRM155R71C104M
--	23	5	C10,C19,C23,C25,C29	CAP CER 10uF 10% 10V X5R 0603 (0.8MM)	TDK C1608X5R1A106K080AC
--	24	2	C11,C13	CAP CER 12pF 5% 50V C0G 0402 (0.5MM)	MURATA GRM1555C1H120J
--	25	1	C17	CAP CER 0.033uF 10% 25V X7R 0402 (0.5MM)	MURATA GRM155R71E333K
--	26	2	C16,C18	CAP CER 4.7uF 20% 6.3V X5R 0603 (0.8MM)	MURATA GRM188R60J475M
--	27	1	C32	CAP TANT 10uF 10V 20% 1206	ROHM TCA1A106M8R
--	28	1	C34	CAP TANT 22uF 10V 20% 1206	ROHM TCA1A226M8R
--	29	10	HD3,JP1,JP2,JP3,JP5,JP6,JP8,JP9,JP10,JP11	HDR 1x2 MALE 0.025in SQ PINS, 100MIL TH	Samtec TSW-102-07-G-S
--	30	3	JP4,JP7,JP12	HDR 1x3 MALE 0.025in SQ PINS, 100MIL TH	Samtec TSW-103-07-G-S
--	31	2	HD2,HD4	HDR 2x16 MALE 0.5mm SQ PINS, 2mm GOLD TH	MOLEX 0877583216
--	32	1	J2	CONN PWR JACK 16VDC @2.5A MALE 2mm CENTER-PIN 3mm TH-TAB RA TH	CUI PJ-202A
--	33	1	HD1	CONN HDR SHRD 2X5 MALE 1.27mm TH	CNC 3220-10-0100-00
--	34	1	J3	CONN USB MINI-B 5PIN RCPT RA HOZ 0.8mm SMD	Molex 54819-0572
--	35	2	TP1,TP5	TP PC MULTI PURPOSE 0.125in BLK TH	KEYSTONE 5011
--	36	4	SW1,SW2,SW4,SW5	SWITCH SPST S-P-TRAVEL 0.25mm J-BENT 1.3NF 6.5x6.0x3.1mm	PANASONIC EVQ-Q2K03W
--	37	1	S1	SWITCH TACT SPST GULL WING 50mA 12V SMD2 10.2x3.5x5.0mm	E-Switch TL3302BF130QG
--	38	1	D9	LED GREEN DIFF SMD 3.2x1.5x1.1mm	CML CMD15-21VGD/TR8
--	39	1	D8	LED AMBER CLEAR SMD 1.6x0.8x0.8mm	LITE-ON LTST-C190AKT
--	40	1	D7	LED YELLOW CLEAR SMD 1.6x0.8x0.55mm	LITE-ON LTST-C191KSKT

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--	41	1	D3	LED RED CLEAR SMD 1.6x0.8x0.8mm	LITE-ON LTST-C190CKT
--	42	2	D4,D5	LED GREEN CLEAR SMD 1.6x0.8x0.8mm	LITE-ON LTST-C190KGKT