

Bill of Materials

RZ-CMR-V2.2.PrjPcb

Creation Date:	14.1.2019 r.						17:10		
Designator	Comment	Description	Case	MPN	Placement	Quantity	Alternative MPN	Alternative Manufacturer	
C1, C2, C3, C5, C7, C8, C9, C16, C31, C32, C38, C39, C49, C52, C53, C59, C60, C62, C68, C69, C70, C74, C75, C76, C77, C78, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C93, C94, C95, C96, C97, C98, C99, C100, C103, C104	100n	SMD-0402 16V X7R 10%	0402	CL05B104K05NNNC		48	885012105016	Würth Elektronik	
C4, C11, C13, C22, C23, C24, C25, C26, C27, C28, C29, C30, C35, C40, C41, C42, C43, C44, C45, C46, C47, C48, C50, C51, C54, C55, C56, C57, C58, C61, C63, C64, C65, C66, C67, C71, C72, C73, C79, C92, C101, C102	4.7u	SMD-0402 6.3V X5R 20%	0402	CC0402MRX5R5BB475		42	885012105008	Würth Elektronik	
C6	100p	SMD-0402 50V COG 5%	0402	CS1005C0G101J500NR		1	885012005061	Würth Elektronik	
C10	2.2u	SMD-0402 6.3V X5R	0402	GRM155R60J225ME15D		1	885012105007	Würth Elektronik	
C12, C14, C15, C17, C18, C19, C20, C21, C33, C34	1u	SMD-0402 10V X5R	0402	CL05A105KPSNNNC		10	885012105012	Würth Elektronik	
C36, C37	47p	SMD-0402 50V COG 5%	0402	CC0402JRNPO9BN470		2	885012005059	Würth Elektronik	
CN1	USB Micro	USB B Micro R/A SMD		10103594-0001LF		1			
CN2	SFV24R-4STE1HLF	KBCR-M04VG		SFV24R-4STE1HLF		1			
CN3	Micro SD	Micro SD Socket PP T1 R03		Micro SD Socket PP T1 R03		1			
D1, D2	PMEG4010BEA	SMD SOT323 40V 1A		PMEG4010BEA		2			
FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB9, FB10	220	0603 2A 0.05ohm	0603	MPZ1608S221ATA00		10	742863122	Würth Elektronik	
H1, H3, H4	HN2x5			CH54342M100-0A (2x17)		3			
H2	HN1x4 1.27mm			CH02202V100 (1x20)		1			
J1	SJ-43514-SMT	3.5mm 4Pin SMD		SJ-43514		1			
L1	4.7u	1.7A 0.08ohm 7x4x1.65mm		LQH44PN4R7MPOL		1	74404042047	Würth Elektronik	
L2	2.2u	1.7A 0.08ohm 7x4x1.65mm		LQH44PN2R2MPOL		1	74404042022	Würth Elektronik	
LD1, LD2, LD3, LD4	Green			LTST-C191K0KGT		4	150060GS75003	Würth Elektronik	
LD5	Red			19-213SUBC/S400-A5/S208-2/S4/		1	150060BS75003	Würth Elektronik	
Q1	48MHz		X1G0041710046	SG-210STF 48MHZ		1	831056300	Würth Elektronik	
R1, R11, R18, R28	22	SMD 0402 0.0625W 5% 50V	0402	CR10-22R0-FK		4			
R2	100	SMD 0402 0.0625W 5% 50V	0402	RC0402FR-07100RL		1			
R3, R5, R7, R9, R10, R13, R15, R17, R19, R20, R24, R25, R44	22K	SMD 0402 0.0625W 5% 50V	0402	RC0402FR-0722KL		13			
R8	5.6k	SMD 0402 0.0625W 5% 50V	0402	RC0402FR-075K6L		1			
R12	4.7k	SMD 0402 0.0625W 5% 50V	0402	CR10-4701-FK		1			
R14, R16, R29	10k	SMD 0402 0.0625W 5% 50V	0402	CR10-1002-FK		3			
R21, R22, R26, R27	2.2k	SMD 0402 0.0625W 5% 50V	0402	RC0402FR-072K2L		4			
R23, R41, R43	1k	SMD 0402 0.0625W 5% 50V	0402	RC0402FR-071KL		3			
R30, R31	100k	SMD 0402 0.0625W 5% 50V	0402	RC0402JR-07100KL		2			
R34	75k	SMD 0402 0.0625W 5% 50V	0402	RC0402JR-0775KL		1			
R35	249k	SMD 0402 0.0625W 1% 50V	0402	RC0402FR-07249KL		1			
R36	13k	SMD 0402 0.0625W 5% 50V	0402	RC0402FR-0713KL		1			
R37	30k	SMD 0402 0.0625W 5% 50V	0402	RC0402FR-0730KL		1			
R38	40.2K	SMD 0402 0.0625W 1% 50V	0402	RC0402FR-0740K2L		1			
R39	14.3k	SMD 0402 0.0625W 1% 50V	0402	RC0402FR-0714K3L		1			
R40	330	SMD 0402 0.0625W 5% 50V	0402	RC0402FR-07330RL	DNP	1			
RM1, RM5, RM6, RM13	22	SMD 4RM-0603 116W 5%	RA0805	YC124-JR-0722RL		4			
RM2	10k	SMD 4RM-0603 116W 5%	RA0805	YC124-JR-0710KL		1			
RM3, RM4, RM7, RM8, RM11, RM12	22k	SMD 4RM-0603 116W 5%	RA0805	YC124-JR-0722KL		6			
SB1	PTS810			PTS810		1			
T9, T11	BC847	SMD SOT523	SOT523	BC847BTT1G		2			
U1	R7S721030VCFP			R7S721030VCFP#AA0		1			
U2, U3	74LVC1G74	DQE (R-PX2SON-N8)		SN74LVC1G74DQER		2			
U4	USBLC6-4SC6		SOT23-6	USBLC6-4SC6		1			
U5	MIC803	Reset	SOT23	MIC803-29D2VM3-TR		1			
U6	ESP-WROOM-32	WiFi/BT Module		ESP-WROOM-32		1			
U7	MAX9867			MAX9867ETJ+T		1			
U8	XC6504A181MR-G	In 1.4-6V 0.15A		XC6504A181MR-G		1			
U9, U10	AP65211AWU	4.5-18V Fb-0.8V Imax-2A 500KHz		AP65211AWU-7		2			
U11	W25Q128JVSQ	Flash 128Mb	SO-300	W25Q128JVSQ		1			
U12	M12L2561616A-6T			M12L2561616A-6TG2S		1			
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Резистори 1%