

Resistor (Passive)

References	Value	Part ID	Power	Tolerance	Package	Supplier	Qty / Pc
R1		CRCW0402100KFKED				Yageo	1
R11, R12, R25, R26, R27, R35, R36, R37, R38, R42, R43, R44, R45, R46, R47, R49, R50		CRCW040210K0FKEDHP				Vishay Dale	17
R2		CRCW0402390KFKED				Vishay	1
R23		CRCW0402249KFKED				Vishay	1
R3		CRCW040291K0FKED				Vishay	1
R4, R6, R18, R19, R20, R30, R31, R32, R39, R48, R59, R60, R62		CRCW0402330RFKED				Vishay	13
R5, R7, R10, R13, R14, R16, R17, R21, R22, R24, R28, R29, R33, R34, R40, R41, R61, R63, R64		CRCW040247K0FKEDHP				Vishay Dale	19
R8, R9, R15		CRCW04020000Z0ED				Vishay	3
						Quantity	56

Capacitor (Passive)

References	Value	Part ID	Voltage	Tolerance	Package	Supplier	Qty / Pc
C2, C5, C7, C8, C13, C19, C23, C25, C36, C37, C55, C56, C106, C108, C109, C110, C111, C112, C115, C116, C117, C126, C127, C128, C131, C132, C133, C136, C137, C140, C141, C142, C150, C151, C152, C153	100 nF	04026D104KAT4A	6V3			Kyocera AVX	36
C1, C6, C11, C12, C14, C17, C18, C20, C21, C22, C26, C27, C28, C29, C30, C31, C34, C35, C38, C39, C40, C41, C42, C43, C44, C45, C47, C48, C49, C50, C51, C52, C53, C54, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C107, C118, C119, C120, C121, C122, C123, C124, C125, C129, C130, C134, C135, C154, C155, C156		C0402C330J9RACAUTO				KEMET	99
C10, C16		GRM153R60J105ME95D				Murata	2
C113, C114, C138, C139		CBR04C130F5GAC				KEMET	4
C15		F380J476MMAAXEH3				Kyocera AVX	1
C3, C4		16SVPC39MV				Panasonic	2
C32		04026C474KAT2A				Kyocera AVX	1
C33, C46		04026C102MAT2A				Kyocera AVX	2
C9, C24		F380J106MMAAH3				Kyocera AVX	2
						Quantity	149

Diode (Active)

References	Value	Part ID	Voltage	Current	Package	Supplier	Qty / Pc
D1, D2, D5		150066M153000				Wurth Electronics	3
D3		SMLP13BC8TT86				Rohm	1
						Quantity	4

Transistor (Active)

References	Value	Part ID	Polarity	Current	Package	Supplier	Qty / Pc
Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q14, Q15, Q16		BC847AQAQZ				Nexperia	13
						Quantity	13

Oscillator (Active)

References	Value	Part ID	Freq.	Tolerance	Package	Supplier	Qty / Pc
X1, X2		ABMM2-7.3728MHZ-E2-T	7,3728			Abracon	2
						Quantity	2

Inductor (Passive)

References	Value	Part ID	Imp.	Tolerance	Package	Supplier	Qty / Pc
FB1, FB2		BLM18EG101TZ1D				Murata	2
L1		7443551130				Wurth Electronics	1
L2, L3		LQG15HN1N0S02D				Murata	2
						Quantity	5

Fuse (Passive)

References	Value	Part ID	Voltage	Current	Package	Supplier	Qty / Pc
						Quantity	0

IC (Active)

References	Value	Part ID	Package	Supplier	Qty / Pc
U1		TPS63802DLAT		Texas Instruments	1
U10		TPL5111DDCT		Texas Instruments	1
U11		TCA9546APWR		Texas Instruments	1
U12		ATMEGA328P-AU		Microchip / Atmel	1
U14		SN3257QPWRQ1		Texas Instruments	1
U15		DS28CM00R-A00+T		Maxim	1
U16		203591-MG01		Micro Crystal	1

U17		24LC128T-I/SN		Microchip	1
U19		PAM8904EGPR		Diodes	1
U2, U3, U21		TPS22917DBVR		Texas Instruments	3
U4		TLV75533PDBVR		Texas Instruments	1
U5					1
U6					1
U7, U13		TXS0108EPWR		Texas Instruments	2
U8		TXS0101DBVR		Texas Instruments	1
U9		ATMEGA2560V-8AU		Microchip	1
				Quantity	19

Connectors

References	Type	Part ID	Package	Supplier	Qty / Pc
RF1		RSP-122811-01		Samtec	1
J1		472192001		Molex	1
J2, J3		FTSH-130-01-F-DV		Samtec	2
				Quantity	4

Mechanical

References	Type	Part ID	Package	Supplier	Qty / Pc
PZ1		PKMCS0909E4000-R1		Murata	1
				Quantity	1