

Designator	Qty.	Value/Description	Package	Manufacture	Manufacturer P/N	Supplier	Supplier P/N
C103	1	CAP CER 8.2pF 50V CH	0603 (1608)				
C110 C105 C106 C112 C86	5	CAP CER 10uF 25V	0603 (1608)				
C113	1	CAP CER 75pF 100V C0G 5%	0805 (2012)				
C114	1	CAP CER 150pF 100V C0G 5%	0805 (2012)				
C115	1	CAP CER 160p 50V NPO	0805 (2012)				
C116	1	CAP CER 100pF 100V C0G 5%	0805 (2012)				
C120	1	CAP CER 10pF 50V CH	0603 (1608)				
C121	1	CAP CER 180pF 50V CH	0603 (1608)				
C122	1	CAP CER 100pF 50V CH	0603 (1608)				
C19 C15 C17 C20 C23 C27 C32 C2 C3 C4 C6 C8 C10 C9 C16 C18 C22 C25 C29 C31 C38 C39 C40 C41 C42 C43 C47 C33 C50 C51 C52 C53 C54 C55 C84 C61 C60 C59 C58 C57 C56 C97 C92 C94 C87 C95 C98 C88 C102 C101 C91 C89 C90 C93 C118 C123 C117 C119 C124 C85 C127	63	CAP CER 0.1uF 50V X7R	0603 (1608)	Samsung	CL10B104MB8NNNC	Digi-Key	1276-1941-1-ND
C44 C35 C21 C45 C37 C28 C30 C26 C13 C12 C7 C5 C24 C36 C46 C11 C1 C34 C14 C108 C104 C100 C111 C107 C109 C99	26	CAP CER 1uF 25V X5R	0603 (1608)	Samsung	CL10A105KA8NNNC	Digi-Key	1276-1102-1-ND
C48	1	CAP CER 0.47uF 16V	0603 (1608)				
C49	1	CAP CER 22uF 16V X5R	0603 (1608)	Samsung	CL10A226MO7JZNC	Digi-Key	1276-7076-1-ND
C63 C79	2	CAP CER 1000pF 500V	1206 (3216)	Würth	885342008003	Mouser	710-885342008003
C65	1	CAP CER 68pF 630V	1206 (3216)	Murata	GRM31A5C2J680JW01D	Mouser	81-GRM31A5C2J680JW1D
C66 C82	2	CAP CER 180pF 630V	1206 (3216)	Murata	GRM31A5C2J181JW01D	Mouser	81-GRM31A5C2J181JW1D
C67 C83 C81	3	CAP CER 150pF 630V NPO 5%	1206 (3216)	Yageo	CC1206JKNPOZBN151	Mouser	603-CC126JKNPOZBN151
C69 C64	2	CAP CER 220pF 630V	1206 (3216)	TDK	C3216C0G2J221J060AA	Mouser	810-C3216C0G2J221J
C70	1	CAP CER 3300pF 630V	1206 (3216)	TDK	C3216C0G2J332J160AA	Mouser	810-C3216C0G2J332J
C71 C62 C78	3	CAP CER 1800pF 630V	1206 (3216)	TDK	C3216C0G2J182J115AA	Mouser	810-C3216C0G2J182J
C72	1	CAP CER 560pF 500V NPO 5%	1206 (3216)	Yageo	CC1206JRNPOBBN561	Mouser	603-CC126JRNPOBBN561
C73 C80 C68	3	CAP CER 270pF 630V	1206 (3216)	TDK	C3216C0G2J271J060AA	Mouser	810-C3216C0G2J271J
C75 C74	2	CAP CER 330pF 630V	1206 (3216)	Murata	GRM31A5C2J331JW01D	Mouser	81-GRM31A5C2J331JW01
C76	1	CAP CER 100pF 630V	1206 (3216)	Yageo	CC1206JKNPOZBN101	Mouser	603-CC206JKNPOZBN101
C77	1	CAP CER 39pF 1000V	1206 (3216)	Murata	GRM31A5C3A390JW01D	Mouser	81-GRM31A5C3A390JW1D
C96	1	CAP CER 10uF 25V X5R	1206 (3216)	Samsung	CL31A106KAHNNNE	Digi-Key	1276-1075-1-ND
CN1	1	Pin header 2.54mm 10pin	-				
CN2	1	SMA	-				
D3 D4 D2 D1	4	LED	-				
D5	1	CDSOD323-T05LC	SOD323	Bourns Inc.	CDSOD323-T05LC	Digi-Key	CDSOD323-T05LCCT-ND
FB4 FB2 FB3 FB5 FB1 FB6 FB7	7	FB	0603 (1608)	TDK	MPZ1608S601ATA00	Mouser	810-MPZ1608S601ATA00
J1	1	Option (Pin header 2.54mm 4pin)	-				
J2 J5 J9	3	Option (Pin header 2.54mm 2pin)	-				
J3	1	Pin header 2.54mm 10pin	-				
J4	1	Pin header 2.54mm 6pin	-				
J6 J7 J8	3	Pin header 2.54mm 2pin	-				
K1 K2 K3 K4 K5 K6 K7	7	EA2-5NU	-	KEMET	EA2-5NU	Mouser	551-EA2-5NU
L1 L7	2	IND 3.9uH	1812 (4532)	Würth	7447669039	Mouser	710-7447669039
L10	1	IND 560nH	1210 (3225)	Abracon	AISC-1210-R56J-T	Mouser	815-AISC-1210-R56J-T
L11 L5	2	IND 390nH	1210 (3225)	Abracon	AISC-1210-R39J-T	Mouser	815-AISC-1210-R39J-T
L12 L6	2	IND 220nH	1210 (3225)	Abracon	AISC-1210-R22J-T	Mouser	815-AISC-1210-R22J-T
L13 L14	2	IND 240nH	0805 (2012)	Murata	LQW2BASR24J00L	Mouser	81-LQW2BASR24J00L
L15 L16 L17 L18	4	IND 270nH	0805 (2012)	Murata	LQW2BASR27J00L	Mouser	81-LQW2BASR27J00L
L19 L20	2	IND 330nH	0805 (2012)	Murata	LQW2BASR33J00L	Mouser	81-LQW2BASR33J00L
L3	1	IND 680nH	1210 (3225)	Abracon	AISC-1210-R68J-T	Mouser	815-AISC-1210-R68J-T
L4	1	IND 270nH	1210 (3225)	Abracon	AISC-1210-R27J-T	Mouser	815-AISC-1210-R27J-T
L8 L2	2	IND 1.8uH	1812 (4532)	Bourns	CC453232-1R8KL	Mouser	652-CC453232-1R8KL
L9	1	IND 1000nH	1812 (4532)	Bourns	CC453232-1R0KL	Digi-Key	CC453232-1R0KLCT-ND
Q1	1	Tr DTC144EEB	SOT-416	Rohm	DTC144EEBTL	Mouser	755-DTC144EEBTL
Q2	1	FET IRLML6402	SOT23	Infineon	IRLML6402TRPBF	Digi-Key	IRLML6402PBFCT-ND
R13 R12 R15 R7 R8 R9 R14 R5 R10 R6 R11 R35	12	RES 10k ohm 5%	0603 (1608)	Yageo	RC0603JR-0710KL	Mouser	603-RC0603JR-0710KL
R16 R36	2	RES 0 ohm	0603 (1608)				
R17	1	NM	0603 (1608)				
R18	1	RES 1.6k ohm	0603 (1608)				
R19 R20	2	RES 33 ohm	0603 (1608)				
R24 R25	2	RES 2.2k ohm	0603 (1608)				
R26 R27	2	RES 22 ohm	0603 (1608)				
R28	1	RES 120 ohm	0603 (1608)				
R30 R31	2	RES 330 ohm	0603 (1608)				
R32 R33	2	RES 24 ohm	0805 (2012)				
R34	1	RES 180 ohm	0603 (1608)				
R4 R3 R2 R1 R21 R22 R23 R29	8	RES 1k ohm	0603 (1608)				
T1	1	RF Trans MABA-010143-FLUX18	SM-22-5	MACOM	MABA-010143-FLUX18	Mouser	937-MABA010143FLUX18
T2	1	RF Trans MABAE50060	SM-22-5	MACOM	MABAE50060	Mouser	937-MABAE50060
U1	1	MAX10 FPGA 10M16SAE144C8G	EQFP144	Intel	10M16SAE144C8G	Digi-Key	544-3140-ND
U2	1	3.3V REG BA33BCOWFP	TO-252-5	Rohm	BA33BCOWFP-E2	Mouser	755-BA33BCOWFP-E2
U3	1	Relay Driver ULN2003LV	TSSOP-16	TI	ULN2003LVPWR	Mouser	595-ULN2003LVPWR
U4	1	RF Frontend AD9866BCPZ	LFCSP64	Analog Devices	AD9866BCPZ	Mouser	584-AD9866BCPZ
U5	1	OpAmp OPA2677	HSOP-8	TI	OPA2677IDDAR	Mouser	595-OPA2677IDDAR
X1	1	OSC 73.728MHz	4-SMD	Silicon Labs	510CCB-AAAG	Digi-Key	510CCB-AAAG-ND