

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1 C4 C6 C7 C8 C9 C10 C11 C13 C16 C16 C27 C30 C34 C36 C36 C36 C37 C39 C41 C73 C78 C88 C89 C90 C92 C93 C94 C95 C100 C101 C102 C108 C108 C109 C124	39	CAP, CERAMIC, 100F, 10V, X5R, 20%, 0201	100F	20%	201	Panasonic	ECJ2EB1A104M	Yes	Yes
C3 C5 C14 C17 C25 C26 C31 C35 C40 C47 C62 C64 C66 C68 C70 C72 C74 C105 C107 C108 C110 C116 C119	23	CAP, TANTALUM CHIP, STD, 10UF, 10V, 10%, 3216	10UF	10%	3216-18	AVX	TAJA106K010R	Yes	Yes
C18	1	CAP, CERAMIC, 1UF, 6.3V, X7R, 10%, 0402	1UF	10%	402	Kemet	CD402C105K9ACTU	Yes	Yes
C19 C21 C22 C24 C24 C50 C51 C59 C86 C89	10	CAP, CERAMIC, 1000F, 16V, X7R, 10%, 0402	1000F	10%	402	Murata	GRM15SR71C104K48RD	Yes	Yes
C21 C26 C26	3	CAP, CERAMIC, 1000F, 16V, X5R, 10%, 0402	1000F	10%	402	Panasonic	ECJ2EB1C104K	Yes	Yes
C28 C29 C33 C36 C41 C49 C111 C117	8	CAP, TANTALUM CHIP, LOW ESR, LOW ESR, 10V, 10%, 3216	10UF	10%	3216-18	AVX	TPSA106K010R0300	Yes	Yes
C39 C109 C113 C115	4	CAP, CERAMIC, 220F, 50V, COG NP0D, 10%, 0402	220F	10%	402	AVX	0402S220K02TA	Yes	Yes
C42 C48 C112 C114 C118	5	CAP, CERAMIC, 100F, 10V, X5R, 10%, 0201	100F	10%	201	Panasonic	ECJ2EB1A103K	Yes	Yes
C45	1	CAP, TANTALUM CHIP, LOW ESR, 22UF, 10V, 10%, 6032	22UF	10%	6032-28	Kemet	B46197A220R0309	Yes	Yes
C52 C56 C57	3	CAP, CERAMIC, 1UF, 10V, X7R, 10%, 0805	1UF	10%	805	Panasonic	ECJ2YB1A103K	Yes	Yes
C53	1	CAP, CERAMIC, 220UF, 16V, X7R, 10%, 0805	220UF	10%	805	Panasonic	ECJ2YB1C220K4K	Yes	Yes
C54 C58	2	CAP, CERAMIC, 180F, 50V, COG NP0D, 5%, 0402	180F	5%	402	Panasonic	ECJ2AE1H180J	Yes	Yes
C60 C91	2	CAP, CERAMIC, 1000F, 16V, X7R, 10%, 0603	1000F	10%	603	AVX	0603Y104K02TA	Yes	Yes
C121 C123	2	CAP, CERAMIC, 130UF, 50V, X7R, 10%, 0603	130UF	10%	603	AVX	0603C131KAT2A	Yes	Yes
C122	1	CAP, CERAMIC, 430UF, 50V, COG NP0D, 5%, 0603	430UF	5%	603	TDK Corporation	C160K001H431JT	Yes	Yes
D1 D2	2	DIODE, LED, CHIP, GRN, CLEAR LENS, 2.0V, 20mA, SMD, 0603	GRN	5%	603	Lite-On	LTST-C190K0KT	Yes	Yes
J1	1	CONN, SOCKET, HIGH SPEED, 2x06, 52 SIG PINS, 0.853MM PITCH, ALIGNMENT PINS, 1 GND BUS PIN, LIGHT GOLD PLTG, RETENTION PINS	CONN0-2x06-J (QFD)			Sarnec	QFS-026-04-25-L-D-A-RT1	Yes	Yes
J2	1	CONN, JACK, PHONO (RCA), RIGHT ANGLE, YELLOW, 2 PINS, THRU-HOLE	CONN-JACK-YEL-R&J			CLJ Inc	INC-H0L16-64.62.52-02U9 TJ 10.619 -1.238 T4 [H]65.3/E18.4/05	Yes	Yes