

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution	
								Allowed	Lead Free
C1	1	10V TAJ-A Tantalum Capacitor	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C2	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C3	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C4	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C5	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C6	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C7	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C8	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C9	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C10	1	10V TAJ-A Tantalum Capacitor	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C11	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C12	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C13	1	10V TAJ-A Tantalum Capacitor	2.2uF	10%	1206	AVX	TAJA225K010RNJ	Yes	Yes
C14	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C15	1	50V DC NPO Ceramic Capacitor	22pF	5%	0603	YAGEO	CC0603JRNPO9BN220	Yes	Yes
C16	1	50V DC NPO Ceramic Capacitor	22pF	5%	0603	YAGEO	CC0603JRNPO9BN220	Yes	Yes
C17	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C18	1	10V TAJ-A Tantalum Capacitor	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C19	1	16V DC X7R Ceramic Capacitor	0.1uF	10%	0805	AVX	W2L1YC104KAT1A	Yes	Yes
C20	1	10V DC Y5V Ceramic Capacitor	1uF	20%	0603	YAGEO	CC0603ZRY5V6BB105	Yes	Yes
D1	1	Red LED	-	-	0805	Various	Various	Yes	Yes
D2	1	Red LED	-	-	0805	Various	Various	Yes	Yes
D3	1	Green LED	-	-	0805	Various	Various	Yes	Yes
J1	1	10 Pin Side Entry SIL Socket	-	-	2.54mm Pitch	HARWIN	M20-7891046	Yes	Yes
J2	1	USB Connector -( 61729-0010B)	-	-	-	FCI	61729-0010BLF	Yes	Yes
J3	1	5 Pin Termical Block	-	-	5mm x 10mm	CAMDEN	CTB5000/2	Yes	Yes
LK1	1	2 Pin (0.1" Pitch) Header & Shorting Shunt	-	-	2.54mm Pitch	HARWIN	M20-9990246	Yes	Yes
LK2	1	2 Pin (0.1" Pitch) Header & Shorting Shunt	-	-	2.54mm Pitch	HARWIN	M20-9990247	Yes	Yes
Q1	1	NPN Transistor	-	-	Through Hole	ON Semiconductor	2N3904ZL1G	No	Yes
Q2	1	NPN Transistor	-	-	Through Hole	ON Semiconductor	2N3904ZL1G	No	Yes
R1	1	SMD Resistor	10k	1%	0603	MULTICOMP			