

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
CBLK1	1	Capacitor AL. Electro	DNP	-	AL_SMT_E_CAP	DNP	DNP	YES	YES
C1, C2, C3, C4, C5, C7	6	Capacitor MLCC, 25 V, X5R	22 F	±20%	1210CAP	Mat	GRM32ER61E226ME15L	YES	YES
C6, C11	2	Capacitor MLCC, 10 V, X5R	1 F	±10%	0805CAP	Mat	GRM219R61A105KA01D	YES	YES
C8	1	Capacitor MLCC, 50 V, X7R	22 F	±0%	0603CAP	Mat	GRM188R71H223KA01D	YES	YES
C9	1	Capacitor MLCC, 50 V, X7R	0.1 F	±0%	0603CAP	Mat	GRM188R71H104KA93D	YES	YES
C10	1	Capacitor MLCC, 6.3 V, X5R	4.7 F	±20%	0603CAP	Mat	GRM188R60J475ME19D	YES	YES
C13	1	Capacitor MLCC, DNP	DNP	—	0603CAP	DNP	DNP	YES	YES
C14, C15, C16, C17, C18	5	Capacitor MLCC, 6.3 V, X5R	100 F	±20%	1210CAP	Taiyden	JMK325BJ107MM-T	YES	YES
C19, C20, C21, C22, C23, C27	6	Capacitor MLCC, DNP	DNP	—	1210CAP	DNP	DNP	YES	YES
C24	1	Capacitor MLCC, 50 V, C0G	10 F	±5%	0603CAP	Mat	GRM1885C1H100JA01D	YES	YES
J1	1	HEADER 4	—	—	0603CAP HEADER_4P_0_2_RA	Würth Elektronik	GRM1885C1H681JA01D 691313510004	YES	YES
J2	1	HEADER 6	—	—	HEADER_6P_0_2_RA	Würth Elektronik	691313510006	YES	YES
J3, J4, J7, J8, J9, J10, J11, J12, J13	18	TP_SCOPE	—	—	Thgh-hte	Mill-Max	0338-0-15-01-15-01-10-0	YES	YES
U1	1	NCP3235	—	—	QFN40_6X6_0_5P	ON Semiconductor	NCP3235MNTXG	NO	YES
L1	1	Inductor	0.33 H	±20%	12 x12 mm	Würth Elektronik	7443320033	NO	YES
MTG1, MTG2, MTG3, MTG4	4	Mounting Hole 0.125"	—	—	STANDOFF_125MIL_TIGHT	N/A	N/A	YES	YES
RBODE1, R6	2	Resistor 0.0, 0.1 W,	0	Jumper	0603RES	Sack	RMCF0603ZT0R00	YES	YES
R1	1	Resistor 1%, 0.1 W	20.0k	1%	0603RES	Sack	RMCF0603FT20K0	YES	YES
R2	1	Resistor 1%, 0.1 W	30.1k	1%	0603RES	Sack	RMCF0603FT30K1	YES	YES
R10	1	Resistor 1%, 0.1 W	10.5k	1%	0603RES	Sack	RMCF0603FT10K5	YES	YES
R13	1	Resistor DNP	DNP	—	R1206	DNP	DNP	YES	YES
A, B, GND, GNDA, GNDB, GNDVIN, GNDVO, TPCMP, TPEN, TPFB, TPOTS, TPPG, TPVIN, TPVO, TPVSW, TPISET	16	Test Point	—	—	Thgh-hte	Mill-Max	2108-2-00-44-00-00-07-0	YES	YES
—	1	Material	—	—	—	—	—	—	—