

Bill Of Materials

Designator	Quantity	Name	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
B1	1	BH9VPC	Memory Protection Devices	BH9VPC	Digi-Key	BH9V-PC-ND
C1, C6, C7, C8, C12	5	10 µF	Taiyo Yuden	GMK316BJ106KL-T	Digi-Key	587-2484-1-ND
C2	1	1.5 µF	KEMET	C1206C155K4RACTU	Digi-Key	399-C1206C155K4RAC7800CT-ND
C3, C16, C19, C20	4	0.1 µF	Samsung	CL10B104KO8NNNC	Digi-Key	1276-1005-1-ND
C4, C9, C11, C14, C17, C22, C23	7	2.2 µF	Murata	GRM21BR71E225KE11L	Digi-Key	490-14467-1-ND
C5	1	5600 pF	KEMET	C0603C562K5RACTU	Digi-Key	399-C0603C562K5RAC7867CT-ND
C10, C13, C15, C18	4	220 pF	Yageo	CC0603JRNPO8BN221	Digi-Key	311-3953-1-ND
C21	1	6.8 µF	TDK	CGA4J1X7R0J685M125AC	Digi-Key	445-12778-1-ND
C24	1	10000 pF	Walsin Technologies	0603B103K500CT	Digi-Key	1292-1386-1-ND
D1, D2	2	Green	Kingbright	APHCM2012CGCK-F01	Digi-Key	754-1094-1-ND
D3	1	Red	Kingbright	APT2012SURCK	Digi-Key	754-1133-1-ND
FID1, FID2, FID3	3	Fiducial				
IC1	1	MAX17578ATC+	Analog Devices	MAX17578ATC+	Digi-Key	175-MAX17578ATC+-ND
IC2	1	ADP7182ACPZN-R7	Analog Devices	ADP7182ACPZN-R7	Mouser	584-ADP7182ACPZN-R7
IC3	1	ADP7102ACPZ-R7	Analog Devices	ADP7102ACPZ-R7	Digi-Key	505-ADP7102ACPZ-R7CT-ND
IC4, IC7	2	DMN2056U-7	Diodes	DMN2056U-7	Digi-Key	DMN2056U-7DICT-ND
IC5, IC6	2	AZV321KTR-G1	Diodes	AZV321KTR-G1	Digi-Key	AZV321KTR-G1DICT-ND
IC8	1	LP2985IM5X-3.3/NOPB	TI National Semiconductor	LP2985IM5X-3.3/NOPB	Digi-Key	LP2985IM5X-3.3/NOPBCT-ND
J1	1	NPPN091BFCN-RC	Sullins	NPPN091BFCN-RC	Digi-Key	S5751-09-ND
L1	1	4.7 µH	Würth Electronics	744311470	Digi-Key	732-1153-1-ND
L2	1	10 µH	Taiyo Yuden	NR4018T100M	Digi-Key	587-1664-1-ND
R1	1	3.32 MOhms	Yageo	RC0603FR-073M32L	Digi-Key	13-RC0603FR-073M32LCT-ND
R2	1	390 Ohms	TE Connectivity	CRG0805F390R	Digi-Key	A126365CT-ND
R3	1	845 kOhms	Yageo	RC0603FR-07845KL	Digi-Key	311-845KHRCT-ND
R4	1	10 kOhms	Yageo	RC0603FR-0710KL	Digi-Key	311-10.0KHRCT-ND
R5	1	23.7 kOhms	Yageo	RC0603FR-0723K7L	Digi-Key	311-23.7KHRCT-ND
R6	1	66.5 kOhms	Panasonic	ERJ-3EKF6652V	Digi-Key	P66.5KHCT-ND
R7	1	13 kOhms	Panasonic	ERJ-3GEYJ133V	Digi-Key	P13KGCT-ND
R9, R13	2	294 kOhms	Panasonic	ERA-3AEB2943V	Digi-Key	P294KDBCT-ND
R10, R17	2	30 kOhms	Bourns	TC33X-2-303E	Digi-Key	TC33X-2-303ECT-ND
R11, R18	2	91 kOhms	Yageo	RC0603FR-0791KL	Digi-Key	311-91.0KHRCT-ND
R12, R16, R20, R21, R27, R29	6	100 kOhms	KOA Speer	RS73F1JTDD1003B	Digi-Key	2019-RS73F1JTDD1003BCT-ND
R14	1	13 kOhms	Stackpole Electronics	RMCF0603FT13K0	Digi-Key	RMCF0603FT13K0CT-ND
R15	1	28.7 kOhms	Yageo	RC0603FR-0728K7L	Digi-Key	311-28.7KHRCT-ND
R19	1	976 Ohms	Yageo	RC0805FR-07976RL	Digi-Key	311-976CRCT-ND
R22, R26, R28	3	150 kOhms	Stackpole Electronics	RMCF0603FG150K	Digi-Key	RMCF0603FG150KCT-ND
R23	1	931 Ohms	KOA Speer	RK73H1JTDD9310F	Digi-Key	2019-RK73H1JTDD9310FTR-ND
R24	1	300 kOhms	Yageo	RC0603FR-07300KL	Digi-Key	311-300KHRCT-ND
R25	1	1 kOhms	Stackpole Electronics	RMCF0603FT1K00	Digi-Key	RMCF0603FT1K00CT-ND
S1	1	SS312SAH4-R	NKK Switches	SS312SAH4-R	Digi-Key	360-2924-1-ND