

## K40 helper

Qty	Value	Device	Package	Parts	Description	Manufacturer	Mouser
3	1nF	C-EU050-024X044	C050-024X044	C2, C3, C4	Capacitor ceramics	Vishay	K102K10X7RF5UH5
1	33nF	C-EU050-024X044	C050-024X044	C1	Capacitor ceramics	Vishay	1C20Z5U334M050B
7	1N4004	1N4004	DO41-10	D1, D2, D3, D4, D5, D6, D7	Diode		1N4001-G
8		M02POLAR	MOLEX-1X2	JP1, JP2, JP3, JP4, JP5, JP6, JP7, JP8	Connector	Molex	22-27-2021
8					Housing crimp pin	Molex	22-01-2027
16					Crimp pin	Molex	08-50-0113
1	BD139	BD139-16	TO126AV	Q1	NPN TRANSISTOR		BD13916S
6	2N4401	2N4401	TO92-EBC	T1, T3, T4, T5, T6, T7	NPN Transistor		2N4401BU
1	2N4403	2N4403	TO92-EBC	T2	PNP Transistor		2N4403TA
1	100	R-EU_0204/7		0 R6	Resistor		CCF07100RGKE36
4	10k	R-EU_0204/7	0204/7	R11, R12, R13, R14	Resistor		CFR-25JR-52-10K
1	180	R-EU_0204/7	0204/7	R2	Resistor		CCF07180RGKE36
4	1k2	R-EU_0204/7	0204/7	R1, R4, R5, R7	Resistor		CFR-25JT-52-1K2
1	390	R-EU_0204/7	0204/7	R8	Resistor		SFR25H0003900JR500
7	68k	R-EU_0204/7	0204/7	R3, R9, R10, R15, R16, R17, R18	Resistor		CCF0768K0GKE36
4		FTR-LYAA012Y		K1, K2, K3, K4	Relais 230V AC	Fujitsu	FTR-LYAA012Y
1		UA7812	TO220	IC1	Voltage regulator	ST	L7812CV
1		282836-6		X1	Screw Clamp	TE	282836-6
4		WE-691216610002		X2, X3, X4, X5	Screw Clamp	Würth	WE-691216610002