

General Notes:**Resistors (1/4 watt, +/- 5%)**

Value	Reference	Total	Desc.	Mouser # (or option)
.27R	R263	1	2 watt	660-MOX2CT631RR27J
68R	R175, R228	2		71-CCF0768R0JKE36
220R	R126, R128, R130, R179, R180, R181, R243, R252, R254, R255, R258, R259	12		660-MF1/4LCT52R221J
470R	R10, R24, R38, R52, R66, R80, R86, R90, R94, R150, R164	11		660-MF1/4LCT52R471J
680R	R112, R138, R227, R232, R237	5		71-CCF07680RJKE36
1K	R238	1		660-MF1/4LCT52R102J
1K8	R137, R225, R235	3		71-CCF071K80JKE36
2K2	R176, R177, R178, R245	4		660-MF1/4LCT52R222J
3K3	R97, R99, R226, R229	4		660-MF1/4LCT52R332J
4K7	R9, R23, R37, R51, R65, R79, R140, R149, R163, R170, R172, R174, R234, R256, R260	15		660-MF1/4LCT52R472J
6K8	R5, R6, R19, R20, R33, R34, R47, R48, R61, R62, R75, R76, R131, R133, R135, R145, R146, R159, R160, R169, R171, R173	22		660-MF1/4LCT52R682J
10K	R7, R8, R21, R22, R35, R36, R49, R50, R63, R64, R77, R78, R85, R87, R89, R91, R93, R95, R103, R104, R105, R114, R118, R147, R148, R161, R162, R248, R250, R253, R257	31		660-MF1/4LCT52R103J
15K	R3, R17, R31, R45, R59, R73, R98, R100, R101, R102, R106, R107, R143, R157, R233, R236, R266, Rx1	18		71-CCF0715K0JKE36
22K	R12, R26, R40, R54, R68, R82, R152, R166, R239	9		660-MF1/4LCT52R223J
33K	R241, R244	2		71-CCF0733K0JKE36
47K	R113, R115, R117, R240, R246, R249	6		660-MF1/4LCT52R473J
68K	R11, R25, R39, R53, R67, R81, R139, R151, R165, R251, R261	11		279-RR02J68KTB
100K	R4, R18, R32, R46, R60, R74, R88, R92, R96, R120, R122, R125, E125, R127, R129, R144, R158	17		660-MF1/4LCT52R104J
150K	R242	1		594-SFR16S0001503JA5
220K	R111, R230	2		279-RR01J220KTB

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Value	Reference	Total	Desc.	Mouser # (or option)
1M	R247	1		594-VR25000001004JR5
2M2	R132, R134, R136	3		660-MF1/4LCT52R225J
20K	R1, R2, R15, R16,, R29, R30, R43, R44, R57, R58, R71, R72, R108, R109, R110, R119, R121, R123, R141, R142, R155, R156, R169, R170	22	3362 type trimmer	652-3362P-1-203LF
B10K	R13, R14, R27, R28, R41, R42, R55, R56, R69, R70, R83, R84, R153, R154, R167, R168, R182, R184, R186	19	9mm vertical	https://www.taydaelectronics.com/10k-ohm-linear-taper-potentiometer-round-shaft-pcb-9mm.html
A50K	R183, R185, R187	3	9mm vertical	https://www.taydaelectronics.com/50k-ohm-logarithmic-taper-potentiometer-round-shaft-pcb-9mm.html

Capacitors

Value	Reference	Total	Description	Mouser # (or option)
47pf	C2, C8, C14, C20, C26, C32, C49, C51, C53, C62, C68	11	LS: 5mm	75-1C20C0G470J050B
470pf	C4, C10, C16, C22, C28, C34, C37, C38, C39, C64, C70	11	LS: 5mm	594-K471K15X7RF53H5
1nf	C5, C11, C17, C23, C29, C35, C40. C41. C42, C43, C44, C65, C71, C99, C100	15	LS: 5mm	581-SR211A102JAATR1
2.2nf	C54, C56, C101, C102	4	LS: 5mm	581-SR151C222K
10nf	C46, C98, C103	3	LS: 5mm	581-SR215C103K
47nf	C1, C7, C13, C19, C25, C31, C48, C50, C52, C61, C67	11	LS: 5mm	581-SR215C473K
100nf	C3, C6, C9, C12, C15, C18, C21, C24, C27, C30, C33, C36, C55, C57, C59C63, C66, C69, C72,C74, C76, C77, C78, C97	24	LS: 5mm	594-K104K15X7RF53H5
1uf	C73	1	electrolytic, LS: 2.5mm	710-860021373002
1uf	C45, C58, C60, C75	4	TANTALUM	581-TAP105K025CRS
100uf	C47, C104	2	electrolytic, LS: 2.5mm	710-860010573007

Diodes

Value	Reference	Total	Description	Mouser # (or option)
1N457	D1-D27, D31-36, D49	34		512-1N457

Transistors

Value	Reference	Total	Description	Mouser # (or option)
2N3904	Q1, Q3, Q5, Q7, Q9, Q11, Q13, Q15, Q17, Q19, Q21, Q23, Q41, Q43, Q45, Q47, Q65, Q66, Q67, Q68, Q69, Q70, Q72, Q73, Q76, Q78, Q79, Q80, Q81, Q82, Q84, Q86, Q88, Q90, Q92, Q94, Q96, Q98	38		610-2N3904
2N3906	Q2, Q4, Q6, Q8 Q10, Q12, Q14, Q16, Q18, Q20, Q22, Q24, Q42, Q44, Q46, Q48, Q71, Q74, Q75, Q77, Q83, Q85, Q87, Q89, Q91, Q93, Q95, Q97, Q99	29		610-2N3906

Miscellaneous

	Total	Description	Mouser # (or option)
Banana jacks (black)	9	Ext. CV inputs	530-108-0903-1
Banana jacks (red)	5		530-108-0902-1
Standoffs	4		855-R30-3011002
Small Davies knobs	22		5164-1610AA (or Thonk)
EDAC power connector	1	<i>optional</i>	587-306-50-010

Mouser Cart

**NB: potentiometers, screws, EDAC power connector are not included in the Mouser Cart.*

**Some items may be backordered.*

<https://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=3e911a6a40>

Calibration

R1 (R15, R29, etc): Adjusts "Trigger Out" sensitivity.

R2 (R16, R30, etc.): Adjusts "Pressure Out" sensitivity.

Jumpers

VD1-VD6: Bridge these jumper for 0-15v voltage range.