


All components are through-hole, except for D1,D2,D3 which are SMD

Ref.	Description	Datasheet	Distributor
U1	Microchip MIC4452YN	http://ww1.microchip.com/downloads/en/DeviceDoc/mic4451.pdf	https://ro.farnell.com/microchip/mic4452yn/driver-mosfet-12a-peak-low-side/dp/2510147
U2	Texas Instruments LMC6462BIN	http://www.ti.com/lit/ds/symlink/lmc6464.pdf	https://ro.farnell.com/texas-instruments/lmc6462bin-nopb/op-amp-dual-50khz-0-028v-us-dip/dp/3004689
U3	Texas Instruments LM4040AIZ-10	http://www.ti.com/lit/ds/symlink/lm4040-n.pdf	https://ro.farnell.com/texas-instruments/lm4040aiz-10-0-nopb/voltage-ref-shunt-10v-to-226aa/dp/1673984
U4	Texas Instruments LM4040AIZ-5	http://www.ti.com/lit/ds/symlink/lm4040-n.pdf	https://ro.farnell.com/texas-instruments/lm4040aiz-5-0-nopb/voltage-ref-shunt-5v-to-226aa/dp/1468834
D1,D2,D3	ON Semiconductor NSI50010YT1G	https://www.onsemi.com/pub/Collateral/NSI50010Y-D.PDF	https://ro.farnell.com/on-semiconductor/nsi50010yt1g/ic-led-driver-50v-0-01a-sod123/dp/1794979
D4	ON Semiconductor 1N4148	https://www.onsemi.com/pub/Collateral/1N914A-D.pdf	https://ro.farnell.com/on-semiconductor/1n4148tr/diode-100v-200ma-do-35/dp/9843680
DZ1	Nexperia BZX79-B3V6	https://assets.nexperia.com/documents/data-sheet/BZX79.pdf	https://ro.farnell.com/nexperia/bzx79-b3v6-113/zener-diode-0-4w-3-6v-do-204ah/dp/2463518
R1	Resistor 2.2KiloOhm 3W	https://www.te.com/usa-en/product-3-1625892-7.html	https://ro.farnell.com/neohtm-te-connectivity/rox3s2k2/res-2k2-5-3w-axial-metal-oxide/dp/1738694
R2,R4	Resistor 18KiloOhm 1%	http://www.farnell.com/datasheets/1716726.pdf	https://ro.farnell.com/multicomp/mf12-18k/res-18k-1-125mw-axial-metal-film/dp/9342745
R3,R5	Resistor 30KiloOhm 1%	http://www.farnell.com/datasheets/1716726.pdf	https://ro.farnell.com/multicomp/mf12-30k/res-30k-1-125mw-axial-metal-film/dp/9343008
C2,C4	Capacitor 4.7nF 5% ceramic NPO	https://content.kemet.com/datasheets/KEM_C1052_GOLDMAX_C0G_AUTO.pdf	https://ro.farnell.com/kemet/c322c47j5g5ta7301/cap-4700pf-50v-5-c0g-np0/dp/2575658
C3,C5	Capacitor 10nF 5% ceramic NPO	https://content.kemet.com/datasheets/KEM_C1052_GOLDMAX_C0G_AUTO.pdf	https://ro.farnell.com/kemet/c320c10j5g5ta91707301/cap-0-01-f-50v-5-c0g-np0/dp/2673120
C1,C6	Capacitor 10uF 16V ceramic X7R	https://psearch.en.murata.com/capacitor/product/RCER71H106MWK1H03B.pdf	https://ro.farnell.com/murata/rcer71h106mwk1h03b/cap-10uf-50v-mlcc-radial/dp/2990753

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		PWM as D/A Converter	
Title			
Size A4	Document Number: P100.0001.001.SCH.10A	Associated PCB: ---	Rev 1
Date:	Tuesday, September 24, 2019	Sheet	1 of 1