

BOM_series-mosfet-switching_2023-10-25

Name	Designator
47u 50V elco	C10
1μF C3X7R 50V	C2,C6 (both for 2 caps, sorry)
Wima MKS-02 220 nF 63V	C7
wima 22n 63V or 100nF 50V multi layer ceramic	C8
680uF 10V elco	C9
100(0)uf 50V elco	C25
MKS2 4,7μ 50V	C20
X7R-5 100N Multi-layer ceramic capacitor 100N, 10%	c6 c2 and between pin 5 and 8 of U1
Inductor, axial, Ferrite, 10 μH	L1
C3M*****D (many options)	GDS / Q1
Metal oxide resistor 1 W, 5%, 10 Ohm	R1,R2
1EDI60I12AF	U1 (smd not labeled sorry)
78L05	U3
MGJ1D121505MPC	bottom square

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Footprint	Quantity
CAP-D3.0XF5	3
RAD-0.2	6
RAD-0.1	4
RAD-0.2	2
CAP-D3.0XF5	3
CAP-D3.0XF5	3
RAD-0.2	3
RAD-0.2	9
R_AXIAL-0.6	3
TO-247AC-3_L15.8-W5.0-P5.46-L	1
R_AXIAL-0.4	4
DIP8	2
TO-92-3_L4.8-W3.7-P2.54-R	4
	1

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Supplier Part

https://www.reichelt.de/de/en/e-cap-radial-47-uf-50-v-105-c-nhg-a-47u-50-p200355.html?&trstct=pos_6&nb=1

https://www.reichelt.de/de/en/multi-layer-ceramic-capacitor-1-0-f-50v-125-c-c3x7r-1-0u-50-p206882.html?&trstct=pos_12&nb=1

https://www.reichelt.de/de/en/wima-film-capacitor-rm-2-5-mm-220-nf-mks02-63-220n-p12319.html?&trstct=pos_4&nb=1

<https://www.reichelt.de/de/en/multi-layer-ceramic-capacitor-100n-20--z5u-5-100n-p22986.html?GROUPID=3163&START=0&>

https://www.reichelt.de/de/en/e-cap-radial-680-uf-10-v-105-c-low-esr-fm-a-680u-10a-p200057.html?&trstct=pos_1&nb=1

https://www.reichelt.de/de/en/e-cap-radial-100-uf-50-v-2000-h-m-a-100u-50-p199830.html?&trstct=pos_0&nb=1

<https://www.reichelt.de/de/en/wima-film-capacitor-rm-5-mm-4-7-f-mks2-50-4-7--p31930.html?search=wima+4.7&r=1>

https://www.reichelt.de/de/en/multi-layer-ceramic-capacitor-100n-10--x7r-5-100n-p22865.html?&trstct=pos_3&nb=1

<https://www.reichelt.de/de/en/inductor-axial-ferrite-10-h-epco-b78108-s111-p245641.html?search=inductor+10&r=1>

<https://www.digikey.nl/short/dvm7qh83> or <https://mou.sr/3MhQaY6>

https://www.reichelt.de/de/en/metal-oxide-resistor-1-w-5-10-ohm-1w-10-p1776.html?&trstct=pos_0&nb=1

<https://mou.sr/479vzxv> or <https://www.digikey.nl/short/7v9bm4bm>

<https://www.reichelt.de/de/en/voltage-regulator-fixed-7-v-30-vin-5-vout-0-1-aout-to-92-lm-78l05-acz-p187799.html?search=78>

<https://www.digikey.nl/short/70dqz4tz> or <https://mou.sr/40a2ZJU>