

Reference	Quantity	Value	Footprint	Price
B1	1	trafo	Transformer_THT:trafo	\$ 4.00
C1	1	2.2uF	Capacitor_SMD:C_1206_3216Metric_Pad1.42x1.75mm_HandSolder	\$ 0.29
C2	1	4.7nF	Capacitor_SMD:C_1206_3216Metric_Pad1.42x1.75mm_HandSolder	\$ 0.10
C3	1	33u	Capacitor_SMD:C_1206_3216Metric_Pad1.42x1.75mm_HandSolder	\$ 1.20
D1 D2 D3	3	DIODE	Package_TO_SOT_SMD:TO-277A	\$ 0.62
J1 J2 J3	3	Conn_01x02_Female	Connector:Banana_Jack_2Pin	\$ 1.44
L1	1	INDUCTOR	Inductor_THT:L_Toroid_Horizontal_D32.5mm_P28.90mm_Bourns_2300	\$ 2.83
Q1	1	Q_NMOS_DGS	Package_TO_SOT_SMD:PQFN_8x8	\$ 1.82
R1	1	150	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.10
R10	1	10K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.10
R11	1	2K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.10
R12	1	4K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.63
R2	1	9.1K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.63
R3	1	8.2K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.10
R4	1	51K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.10
R5	1	510	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.10
R6 R13	2	1K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.10
R7 R8	2	5.1K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.10
R9	1	0.2	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 3.08
U1	1	TLP250	Package_DIP:DIP-8_W7.62mm	\$ 1.15
U2	1	ATA00B36S-L	Converter_DCDC:Converter_DCDC_Artesyn_ATA_SMD	\$ 16.39
U3	1	TL494	Package_DIP:DIP-16_W7.62mm	\$ 0.53

Total Price :

PCB Price

Overall

<https://www.pcbway.com/QuickOrderOnline.aspx>

Core Eq

<https://www.digikey.com/product-detail/en/tdk-electronics-inc/B66381G0000X172/495-76794-ND/>

Around 2 dollars

Cable

AWG #22 - Around 2 dollars

Total Price	Datasheet
\$ 4.00	https://www.mag-inc.com/Media/Magnetics/Datasheets/0F43515EC.pdf
\$ 0.29	https://www.digikey.com/product-detail/en/murata-electronics/GRM155R60J225ME15D/490-4519-1-ND/1033278
\$ 0.10	https://www.digikey.com/product-detail/en/murata-electronics/GRM155R71H473KE14D/490-10702-1-ND/5251398
\$ 1.20	https://product.tdk.com/info/en/documents/chara_sheet/C3216JB1E336M160AC.pdf
\$ 1.86	https://www.digikey.com/product-detail/en/vishay-semiconductor-diodes-division/SS5P10-M3-86A/SS5P10-M3-86AG
\$ 4.32	https://www.digikey.com/product-detail/en/cinch-connectivity-solutions-johnson/108-0901-001/J150-ND/5928
\$ 2.83	https://www.digikey.com/product-detail/en/bourns-inc/2300LL-681-H-RC/2300LL-681-H-RC-ND/725890
\$ 1.82	https://www.digikey.com/product-detail/en/on-semiconductor/FDMS86255/FDMS86255TR-ND/4555505
\$ 0.10	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT150R/CF14JT150RCT-ND/1830603
\$ 0.10	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT10K0/CF14JT10K0CT-ND/1830374
\$ 0.10	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT2K00/CF14JT2K00CT-ND/1830357
\$ 0.63	https://www.digikey.com/product-detail/en/vishay-dale/CMF554K0000FEBF/CMF554K0000FEBF-ND/3634189
\$ 0.63	https://www.digikey.com/product-detail/en/yageo/MFP-25BRD52-9K1/9-1KADCT-ND/2059152
\$ 0.10	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT8K20/CF14JT8K20CT-ND/1830372
\$ 0.10	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT51K0/CF14JT51K0CT-ND/1830392
\$ 0.10	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT510R/CF14JT510RCT-ND/1830343
\$ 0.20	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT1K00/CF14JT1K00CT-ND/1830350
\$ 0.20	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT5K10/CF14JT5K10CT-ND/1830367
\$ 3.08	https://www.digikey.com/product-detail/en/ohmite/15FR200E/15FR200E-ND/822920
\$ 1.15	http://toshiba.semicon-storage.com/info/docget.jsp?did=16821&prodName=TLP250
\$ 16.39	https://www.artesyn.com/power/assets/ata_series_ds_01apr2015_79c25814fd.pdf
\$ 0.53	http://www.ti.com/lit/ds/symlink/tl494.pdf

\$ 39.83

\$ 12.60

\$ 52.43

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