

Reference	Quantity	Value	Footprint	Price
B1	1	trafo	Transformer_THT:trafo	\$ 2.00
C1	1	2.2uF	Capacitor_SMD:C_1206_3216Metric_Pad1.42x1.75mm_HandSolder	\$ 0.06
C2	1	4.7nF	Capacitor_SMD:C_1206_3216Metric_Pad1.42x1.75mm_HandSolder	\$ 0.01
C3	1	33u	Capacitor_SMD:C_1206_3216Metric_Pad1.42x1.75mm_HandSolder	\$ 0.38
D1 D2 D3	3	DIODE	Package_TO_SOT_SMD:TO-277A	\$ 0.24
J1 J2 J3	3	Conn_01x02_Female	Connector:Banana_Jack_2Pin	\$ 0.39
L1	1	INDUCTOR	Inductor_THT:L_Toroid_Horizontal_D32.5mm_P28.90mm_Bourns_2300	\$ 2.30
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	\$ 0.01
R10	1	10K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.01
R11	1	2K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.01
R12	1	4K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.20
R2	1	9.1K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.15
R3	1	8.2K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.01
R4	1	51K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.01
R5	1	510	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.01
R6 R13	2	1K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.01
R7 R8	2	5.1K	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 0.01
R9	1	0.2	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	\$ 1.49
U1	1	TLP250	Package_DIP:DIP-8_W7.62mm	\$ 0.68
U2	1	ATA00B36S-L	Converter_DCDC:Converter_DCDC_Artesyn_ATA_SMD	\$ 16.39
U3	1	TL494	Package_DIP:DIP-16_W7.62mm	\$ 0.19

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

Total Price :  
PCB Price  
Overall  
Per Piece

Core Eq

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

Around 1 dollars

Cable

AWG #22 - Around 1 dollars

Total Price	Datasheet
\$ 2,000.00	<a href="https://www.mag-inc.com/Media/Magnetics/Datasheets/0F43515EC.pdf">https://www.mag-inc.com/Media/Magnetics/Datasheets/0F43515EC.pdf</a>
\$ 61.00	<a href="https://www.digikey.com/product-detail/en/murata-electronics/GRM155R60J225ME15D/490-4519-1-ND/1033278">https://www.digikey.com/product-detail/en/murata-electronics/GRM155R60J225ME15D/490-4519-1-ND/1033278</a>
\$ 9.00	<a href="https://www.digikey.com/product-detail/en/murata-electronics/GRM155R71H473KE14D/490-10702-1-ND/5251398">https://www.digikey.com/product-detail/en/murata-electronics/GRM155R71H473KE14D/490-10702-1-ND/5251398</a>
\$ 380.00	<a href="https://product.tdk.com/info/en/documents/chara_sheet/C3216JB1E336M160AC.pdf">https://product.tdk.com/info/en/documents/chara_sheet/C3216JB1E336M160AC.pdf</a>
\$ 720.00	<a href="https://www.digikey.com/product-detail/en/vishay-semiconductor-diodes-division/SS5P10-M3-86A/SS5P10-M3-86AGI">https://www.digikey.com/product-detail/en/vishay-semiconductor-diodes-division/SS5P10-M3-86A/SS5P10-M3-86AGI</a>
\$ 1,170.00	<a href="https://www.digikey.com/product-detail/en/cinch-connectivity-solutions-johnson/108-0901-001/J150-ND/5928">https://www.digikey.com/product-detail/en/cinch-connectivity-solutions-johnson/108-0901-001/J150-ND/5928</a>
\$ 2,300.00	<a href="https://www.digikey.com/product-detail/en/bourns-inc/2300LL-681-H-RC/2300LL-681-H-RC-ND/725890">https://www.digikey.com/product-detail/en/bourns-inc/2300LL-681-H-RC/2300LL-681-H-RC-ND/725890</a>
\$ 1,820.00	<a href="https://www.digikey.com/product-detail/en/on-semiconductor/FDMS86255/FDMS86255TR-ND/4555505">https://www.digikey.com/product-detail/en/on-semiconductor/FDMS86255/FDMS86255TR-ND/4555505</a>
\$ 7.30	<a href="https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT150R/CF14JT150RCT-ND/1830603">https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT150R/CF14JT150RCT-ND/1830603</a>
\$ 7.30	<a href="https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT10K0/CF14JT10K0CT-ND/1830374">https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT10K0/CF14JT10K0CT-ND/1830374</a>
\$ 7.30	<a href="https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT2K00/CF14JT2K00CT-ND/1830357">https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT2K00/CF14JT2K00CT-ND/1830357</a>
\$ 200.00	<a href="https://www.digikey.com/product-detail/en/vishay-dale/CMF554K0000FEBF/CMF554K0000FEBF-ND/3634189">https://www.digikey.com/product-detail/en/vishay-dale/CMF554K0000FEBF/CMF554K0000FEBF-ND/3634189</a>
\$ 150.00	<a href="https://www.digikey.com/product-detail/en/yageo/MFP-25BRD52-9K1/9-1KADCT-ND/2059152">https://www.digikey.com/product-detail/en/yageo/MFP-25BRD52-9K1/9-1KADCT-ND/2059152</a>
\$ 7.30	<a href="https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT8K20/CF14JT8K20CT-ND/1830372">https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT8K20/CF14JT8K20CT-ND/1830372</a>
\$ 7.30	<a href="https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT51K0/CF14JT51K0CT-ND/1830392">https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT51K0/CF14JT51K0CT-ND/1830392</a>
\$ 7.30	<a href="https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT510R/CF14JT510RCT-ND/1830343">https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT510R/CF14JT510RCT-ND/1830343</a>
\$ 14.60	<a href="https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT1K00/CF14JT1K00CT-ND/1830350">https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT1K00/CF14JT1K00CT-ND/1830350</a>
\$ 14.60	<a href="https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT5K10/CF14JT5K10CT-ND/1830367">https://www.digikey.com/product-detail/en/stackpole-electronics-inc/CF14JT5K10/CF14JT5K10CT-ND/1830367</a>
\$ 1,490.00	<a href="https://www.digikey.com/product-detail/en/ohmite/15FR200E/15FR200E-ND/822920">https://www.digikey.com/product-detail/en/ohmite/15FR200E/15FR200E-ND/822920</a>
\$ 680.00	<a href="http://toshiba.semicon-storage.com/info/docget.jsp?did=16821&amp;prodName=TLP250">http://toshiba.semicon-storage.com/info/docget.jsp?did=16821&amp;prodName=TLP250</a>
\$ 16,390.00	<a href="https://www.artesyn.com/power/assets/ata_series_ds_01apr2015_79c25814fd.pdf">https://www.artesyn.com/power/assets/ata_series_ds_01apr2015_79c25814fd.pdf</a>
\$ 186.00	<a href="http://www.ti.com/lit/ds/symlink/tl494.pdf">http://www.ti.com/lit/ds/symlink/tl494.pdf</a>

\$ 27,629.00  
 \$ 1,320.00  
 \$ 28,949.00  
 \$ 28.95

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