ALS30A332NP500

Digi-Key Part Number 399-7550-ND

Manufacturer Product Number ALS30A332NP500

CAP ALUM 3300UF 20% 500V SCREW

3300 µF 500 V Aluminum Electrolytic Capacitors Radial, Can - Screw Terminals 54mOhm @ 100Hz 20000 Hrs @ 85°C

<https://www.digikey.com/en/products/detail/kemet/ALS30A332NP500/3462159>

$88.34

High Voltage Power Supply AHV12V500V20MAW

Enclosed DC DC Converter 1 Output 0 ~ 500V 20mA 13V Input

Digi-Key Part Number(below)

3838-HighVoltagePowerSupplyAHV12V500V20MAWTB-ND - Tape & Box (TB)

<https://www.digikey.com/en/products/detail/analog-technologies/High-Voltage-Power-Supply-AHV12V500V20MAW/18621897>

$226.90

DC 12v 24v to 5v Step Down Converter Regulator 5A 25W Power Adapter Reducer for Car Electronics Truck Vehicle Boat Solar System (Accept DC 8-40V Inputs)

<https://www.amazon.com/Converter-Regulator-Adapter-Reducer-Electronics/dp/B07Q5W1BG3/ref=pd_lpo_sccl_3/145-1290696-3551341?pd_rd_w=B8NfO&content-id=amzn1.sym.116f529c-aa4d-4763-b2b6-4d614ec7dc00&pf_rd_p=116f529c-aa4d-4763-b2b6-4d614ec7dc00&pf_rd_r=VK88VV0NKZA7V1Z1A9TC&pd_rd_wg=C4yqe&pd_rd_r=33910cf8-d725-492d-adaf-b9bc4d1e1cb6&pd_rd_i=B07Q5W1BG3&th=1>

12.99

C503C-WAN-CCADB232

LED COOL WHITE CLR 5MM RND T/H

White, Cool 9000K LED Indication - Discrete 3.2V Radial

Digi-Key Part Number(below)

C503C-WAN-CCADB232CT-ND - Cut Tape (CT)

C503C-WAN-CCADB232TB-ND - Tape & Box (TB)

<https://www.digikey.com/en/products/detail/creeled,-inc./C503C-WAN-CCADB232/6138556?utm_adgroup=General&utm_source=google&utm_medium=cpc&utm_campaign=PMax%20Shopping_Product_Zombie%20SKUs&utm_term=&utm_content=General&gclid=Cj0KCQjwvL-oBhCxARIsAHkOiu3cTPz6NfGnah6dI9gyCI18RkqZMr3ya9q9RYSoVs7BqKpiX0O5d4UaAkSfEALw_wcB>

$2.77 (pack of 10) (x2) = 5.54

5A & 10A 12V Smart Battery Charger with LCD Display for Lead Acid and Lithium (LiFePO4) Batteries

<https://www.eco-worthy.com/products/5a-12v-automatic-smart-battery-charger-and-maintainer-with-lcd-display-for-lead-acid-and-lithium-lifepo4-batteries?variant=42350017052921>

$59.99

6AWG (16mm²) 13 Inch Battery Interconnect Cable

<https://www.eco-worthy.com/products/6awg-16mm-13-inch-battery-interconnect-cable?variant=34593133625509>

$13.63

LiFePO4 12V 50Ah Lithium Iron Phosphate Battery

<https://www.eco-worthy.com/products/lifepo4-12v-50ah-lithium-iron-phosphate-battery?currency=USD&variant=42491122712825&utm_medium=cpc&utm_source=google&utm_campaign=Google%20Shopping&stkn=ac7b7d784bf0&gclid=CjwKCAjwgsqoBhBNEiwAwe5w02e_e41oUWis8aF0zZ64SqB2gfhDZQGvhFikRSAGGwQNgwVP8l8POBoCaacQAvD_BwE>

$159.99

Battery Isolator Switch for Car Vehicle RV and Marine (On/Off)

<https://www.eco-worthy.com/products/12-48v-battery-isolator-switch-for-car-vehicle-rv-and-marine-on-off?variant=40589578567868>

$18.99 (x2)= 37.98

Ancor Marine Grade Primary Wire and Battery Cable

<https://www.amazon.com/Ancor-Marine-Grade-Primary-Battery/dp/B000NV0G0U/ref=asc_df_B000NV0G0U/?tag=hyprod-20&linkCode=df0&hvadid=312128389336&hvpos=&hvnetw=g&hvrand=7191441217477692300&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9011521&hvtargid=pla-451788532235&th=1&psc=1>

$19.56

STF19NM50N

Digi-Key Part Number 497-12572-5-ND

N-Channel 500 V 14A (Tc) 30W (Tc) Through Hole TO-220FP

<https://www.digikey.com/en/products/detail/stmicroelectronics/STF19NM50N/2346299?utm_adgroup=General&utm_source=google&utm_medium=cpc&utm_campaign=PMax%20Shopping_Product_Zombie%20SKUs&utm_term=&utm_content=General&gclid=Cj0KCQjwvL-oBhCxARIsAHkOiu1qt31Sk-O8mkn572TY5Jk2aRyydKytvPKMi2ctIG9iOP3e7irGCXsaAm4uEALw_wcB>

$4.61 (x2) = 9.22

Starelo 5pcs 19mm Momentary Push Button Switch Black Shell, IP65 Waterproof Push Button Switch,Stainless Steel 1 Normally Open Without LED.

<https://www.amazon.com/Momentary-pre-Wiring-Waterproof-Stainless-Normally/dp/B09BKYC5HL/ref=asc_df_B09BKWMNJ9/?tag=hyprod-20&linkCode=df0&hvadid=533377416454&hvpos=&hvnetw=g&hvrand=10899263234323512257&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9011521&hvtargid=pla-1457503465824&th=1>

14.99

HS50 47K J

Digi-Key Part Number HS5047KJ-ND

RES CHAS MNT 47K OHM 5% 50W

47 kOhms ±5% 50W Wirewound Chassis Mount Resistor

<https://www.digikey.com/en/products/detail/ohmite/HS50%252047K%2520J/5307872?utm_adgroup=General&utm_source=google&utm_medium=cpc&utm_campaign=PMax%20Shopping_Product_Zombie%20SKUs&utm_term=&utm_content=General&gclid=Cj0KCQjwvL-oBhCxARIsAHkOiu2d1Xa1Z-ZuKkPl-FrXydS_HUhyEWl4p8LnZOsS2YOWWRW4NEZ9bSwaAvVBEALw_wcB>

$4.66 (x2)= 9.32

PMV16XNR

Digi-Key Part Number 1727-2300-2-ND - Tape & Reel (TR)

1727-2300-1-ND - Cut Tape (CT)

1727-2300-6-ND - Digi-Reel®

N-Channel 20 V 6.8A (Ta) 510mW (Ta), 6.94W (Tc) Surface Mount TO-236AB

<https://www.digikey.com/en/products/detail/nexperia-usa-inc/PMV16XNR/5395791>

3.29 (pack of 10) (x2) = 6.58

CF12JT390R

Digi-Key Part Number CF12JT390RTR-ND - Tape & Reel (TR)

CF12JT390RCT-ND - Cut Tape (CT)

390 Ohms ±5% 0.5W, 1/2W Through Hole Resistor Axial Flame Retardant Coating, Safety Carbon Film

<https://www.digikey.com/en/products/detail/stackpole-electronics-inc/CF12JT390R/1741140>

$0.72 (pack of 10) (x2) = 1.44

2-1546306-1

Digi-Key Part Number A122807-ND

21 Circuit 0.374" (9.50mm) Barrier Block Connector Screws

<https://www.digikey.com/en/products/detail/te-connectivity-amp-connectors/2-1546306-1/1136667?utm_adgroup=General&utm_source=google&utm_medium=cpc&utm_campaign=PMax%20Shopping_Product_Zombie%20SKUs&utm_term=&utm_content=General&utm_id=go_cmp-17815035045_adg-_ad-__dev-c_ext-_prd-1136667_sig-CjwKCAjwseSoBhBXEiwA9iZtxknqb4gOoWy__-FK1LDLtbQxVslX7qQdpE6vKhcZNwZp7yY_nTNDcRoCoBwQAvD_BwE&gclid=CjwKCAjwseSoBhBXEiwA9iZtxknqb4gOoWy__-FK1LDLtbQxVslX7qQdpE6vKhcZNwZp7yY_nTNDcRoCoBwQAvD_BwE>

$6.56

0ADKC5000-BE

Digi-Key Part Number 507-2116-ND

5 A 600 V AC 500 V DC Fuse Cartridge, Ceramic Requires Holder 5mm x 20mm

<https://www.digikey.com/en/products/detail/bel-fuse-inc/0ADKC5000-BE/7404459>

$7.94 (pack of 5)

05200005ZXGY

Digi-Key Part Number F4961-ND

Fuse Block 10 A 600V 1 Circuit Cartridge Chassis Mount

<https://www.digikey.com/en/products/detail/littelfuse-inc./05200005ZXGY/554334?utm_adgroup=General&utm_source=google&utm_medium=cpc&utm_campaign=PMax%20Shopping_Product_Zombie%20SKUs&utm_term=&utm_content=General&utm_id=go_cmp-17815035045_adg-_ad-__dev-c_ext-_prd-554334_sig-CjwKCAjwseSoBhBXEiwA9iZtxrduOgawll1ug1i8CnkbmBOzJ43CYKp2SdH8wBxbsn4c5WjawyZI6RoC4hkQAvD_BwE&gclid=CjwKCAjwseSoBhBXEiwA9iZtxrduOgawll1ug1i8CnkbmBOzJ43CYKp2SdH8wBxbsn4c5WjawyZI6RoC4hkQAvD_BwE>

$1.86 (x3) = 5.58

021706.3TXP

Digi-Key Part Number F6053-ND

6.3 A 250 V AC DC Fuse Cartridge, Glass Requires Holder 5mm x 20mm

<https://www.digikey.com/en/products/detail/littelfuse-inc./021706.3TXP/3425317?utm_adgroup=General&utm_source=google&utm_medium=cpc&utm_campaign=PMax%20Shopping_Product_Zombie%20SKUs&utm_term=&utm_content=General&utm_id=go_cmp-17815035045_adg-_ad-__dev-c_ext-_prd-3425317_sig-CjwKCAjwseSoBhBXEiwA9iZtxvj4Ysg4rR1QwHzeyOKLOjnJAyjL50dgjsVWE8bQb87aJdpz_Km-PBoCgtQQAvD_BwE&gclid=CjwKCAjwseSoBhBXEiwA9iZtxvj4Ysg4rR1QwHzeyOKLOjnJAyjL50dgjsVWE8bQb87aJdpz_Km-PBoCgtQQAvD_BwE>

2.21 (pack of 5)

ANSI Z535 Safety Labels - Hazardous Voltage Inside

Hazard labels with strong adhesive backing ideal for rugged use

<https://www.seton.com/ansi-z535-safety-labels-hazardous-voltage-inside-l5476.html?utm_campaign=%5BNB%5D_Labels_Catch+All_PLA-S_High_All_PC-02_GGL_SUS&utm_source=google&utm_medium=cpc&utm_term=&matchtype=&device=c&adgroupid=&gclsrc=aw.ds&gclid=CjwKCAjwseSoBhBXEiwA9iZtxo15KyzhNfMKE5oyzbC-vorhbGmpge9ewSppeK7ReCrhPLgh6Yt0NRoCVhcQAvD_BwE>

$20.75

50ft - 1/4 inch & 1/2 inch PET Expandable Braided Sleeving – Black – Alex Tech Braided Cable Sleeve <https://www.amazon.com/100ft-Expandable-Braided-Sleeving-Sleeve/dp/B07RZXSJBM/ref=asc_df_B074GM1PK1/?tag=hyprod-20&linkCode=df0&hvadid=241976930872&hvpos=&hvnetw=g&hvrand=6370533848739978753&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9011521&hvtargid=pla-490663320366&th=1>

9.99

XHF 3/4" Strong Back-Glue Self Adhesive Black Cable Zip Tie Mounts 100pcs with 8" Zip Ties, Screws, UV Protection Outdoor Sticky Wire Fasteners Cable Clips Management Anchors Organizer Holders Squares

<https://www.amazon.com/XHF-Back-Glue-Protection-Fasteners-Management/dp/B08F77YVYB/ref=sr_1_2_sspa?keywords=cable%2Bmounts&qid=1696178338&sr=8-2-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&th=1>

9.99

Miuzei PCB Board Prototype Kit for Electronic Projects, Circuit Solder Double-Side Board with 40 Pin 2.54 mm Male to Female Headers Connector, 2P&3P Screw Terminal Block, Solder Flux, Solder Wire

<https://www.amazon.com/Miuzei-Including-Prototype-Connector-Terminal/dp/B07PS4VCDD/ref=sr_1_24?keywords=blank+pcb&qid=1696274539&sr=8-24>

14.99

330 Pcs M2 Male Female Brass Hex Spacer Standoffs Screws Nuts, Brass Spacer Hex Column Screw Nut Assortment Kit, Threaded Pillar Standoffs Screws for PCB Circuit Board Motherboard Standoffs Spacer

<https://www.amazon.com/Standoffs-Assortment-Threaded-Circuit-Motherboard/dp/B0BZYTC581/ref=sr_1_18_sspa?keywords=blank+pcb&qid=1696274429&sr=8-18-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGZfbmV4dA&psc=1>

7.49

SBBSM2106-1

Digi-Key Part Number SBBSM2106-1-ND

Breadboard, Surface Mount Plated Surface Mount Pad (Square) 0.100" (2.54mm)

<https://www.digikey.com/en/products/detail/chip-quik-inc./SBBSM2106-1/5978238?utm_adgroup=&utm_source=google&utm_medium=cpc&utm_campaign=PMax%20Shopping_Product_High%20ROAS%20Categories&utm_term=&utm_content=&gclid=CjwKCAjw4P6oBhBsEiwAKYVkq5I0YVpDRrdlxMOxKGjH_1XhzwNcUE8gGOqLBZSO-ygfnGLOlHkB4hoCdcQQAvD_BwE>

$1.59

TE120B2K7J

Digi-Key Part Number 1712-TE120B2K7J-ND

2.7 kOhms ±5% 120W Wirewound Chassis Mount Resistor

<https://www.digikey.com/en/products/detail/te-connectivity-passive-product/TE120B2K7J/14308543>

$23.43

Kisellus parts Total cost: 776.99

Other people’s parts

APACHE4800 Weatherproof Protective Case, X-Large, Green

<https://www.harborfreight.com/4800-weatherproof-protective-case-x-large-green-56863.html?utm_source=google&utm_medium=cpc&utm_campaign=12172784578&campaignid=12172784578&utm_content=114847973257&adsetid=114847973257&product=56863&store=228&gclid=CjwKCAjwjaWoBhAmEiwAXz8DBWVU-ng8Ne3ArdmjPLRH-77sE1fUf7WfkYWTt1NfIcN5aA_acBiVYRoCGlwQAvD_BwE>

$59.99

OD8025-12HBIP55

Digi-Key Part Number 1053-1456-ND

FAN AXIAL 80X25MM 12VDC WIRE

Fan Tubeaxial 12VDC Square - 80mm L x 80mm H Ball 40.0 CFM (1.12m³/min) 2 Wire Leads

<https://www.digikey.com/en/products/detail/orion-fans/OD8025-12HBIP55/2707577>

$15.84 (x2) = 31.68

Overall Total: 868.66 + shipping

Add

RA-T2X-38E

Digi-Key Part Number RA-T2X-38E-ND

Heat Sink TO-218, TO-220, TO-247 Aluminum 14.0W @ 70°C Board Level, Vertical

<https://www.digikey.com/en/products/detail/ohmite/RA-T2X-38E/2416488?utm_adgroup=&utm_source=google&utm_medium=cpc&utm_campaign=PMax%20Shopping_Product_Medium%20ROAS%20Categories&utm_term=&utm_content=&utm_id=go_cmp-20223376311_adg-_ad-__dev-c_ext-_prd-2416488_sig-CjwKCAjw-KipBhBtEiwAWjgwrPPKyhrNu41y4PJcGtRI79AETlomslxtfvgbQRXeJgW9qk3_JjrbzxoCBAkQAvD_BwE&gclid=CjwKCAjw-KipBhBtEiwAWjgwrPPKyhrNu41y4PJcGtRI79AETlomslxtfvgbQRXeJgW9qk3_JjrbzxoCBAkQAvD_BwE>

$2 or 25 for 47.43

581002B00000

Digi-Key Part Number HS300-ND

Heat Sink TO-220 Aluminum 2.5W @ 50°C Board Level

<https://www.digikey.com/en/products/detail/aavid,-thermal-division-of-boyd-corporation/581002B00000/373776?utm_adgroup=&utm_source=google&utm_medium=cpc&utm_campaign=PMax%20Shopping_Product_Medium%20ROAS%20Categories&utm_term=&utm_content=&utm_id=go_cmp-20223376311_adg-_ad-__dev-c_ext-_prd-373776_sig-CjwKCAjw-KipBhBtEiwAWjgwrBpVUW_Ba5DloGsfzVWSdMukftVtxCo2AZ8gHw13FfPvSo1x5d45YhoCb_sQAvD_BwE&gclid=CjwKCAjw-KipBhBtEiwAWjgwrBpVUW_Ba5DloGsfzVWSdMukftVtxCo2AZ8gHw13FfPvSo1x5d45YhoCb_sQAvD_BwE>

2.18 or 25 for 51.72