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| Part No. | Components | Comment | Links |
|  | 2 Way 5.08mm Weidmuller PCB Mount Screw Terminal  PM5.08/2/90 | 14AWG | <https://au.element14.com/weidmuller/pm5-08-2-90/terminal-block-wire-to-brd-2pos/dp/1131853>  <https://www.jaycar.com.au/2-way-5-08mm-weidmuller-pcb-mount-screw-terminal/p/HM3130>  Footprint:  Pitch 5.08mm 10x8mm2  TerminalBlock\_MetzConnect\_Type101\_RT01602HBWC\_1x02\_P5.08mm\_Horizontal |
|  | CAMDENBOSS  CTBP0708/2  Wire-To-Board Terminal Block, 5.08 mm, 2 Ways, 26 AWG, 12 AWG, 2.5 mm², Clamp | 12AWG – 20A rating | <https://au.element14.com/camdenboss/ctbp0708-2/tb-wire-to-board-2pos-26-12awg/dp/2527551>  Footprint:  Pitch 5.08mm 10.5x10.16mm2  TerminalBlock\_RND\_205-00287\_1x02\_P5.08mm\_Horizontal |
|  | EATON BUSSMANN  BK-HKP-R  Fuseholder |  | <https://au.element14.com/eaton-bussmann/bk-hkp-r/fuse-holder-30a-250v-quick-connect/dp/3650543> |
|  | STAUBLI  23.3000-22  Banana Test Connector, 4mm, Jack, Panel Mount, 24 A, 1 kV, Gold Plated Contacts, Red |  | <https://au.element14.com/staubli/23-3000-22/banana-jack-4mm-24a-qc-red-pk2/dp/2828728> |
|  | STAUBLI  23.3000-21  Banana Test Connector, 4mm, Jack, Panel Mount, 24 A, 1 kV, Gold Plated Contacts, Black |  | <https://au.element14.com/staubli/23-3000-21/banana-jack-4mm-24a-qc-blk-pk2/dp/2828727> |
|  | TENMA  72-14032  Banana Test Lead, 4mm Banana Plug, Shrouded, 4mm Banana Plug, Shrouded, 19.6 ", 500 mm, Red, 36 A |  | <https://au.element14.com/tenma/72-14032/test-lead-4mm-banana-plug-500mm/dp/2930192> |
|  | TENMA  72-14030  Banana Test Lead, 4mm Banana Plug, Shrouded, 4mm Banana Plug, Shrouded, 19.6 ", 500 mm, Black |  | <https://au.element14.com/tenma/72-14030/test-lead-4mm-banana-plug-500mm/dp/2930191> |
|  | MUELLER ELECTRIC  BU-117-2.  ECONOMY MID-SIZE BATTERY CLIP, 22MM, 60A | Red | <https://au.element14.com/mueller-electric/bu-117-2/economy-mid-size-battery-clip/dp/3132878> |
|  | MUELLER ELECTRIC  BU-117-0.  ECONOMY MID-SIZE BATTERY CLIP, 22MM, 60A | Black | <https://au.element14.com/mueller-electric/bu-117-0/economy-mid-size-battery-clip/dp/3132877> |
|  | Moving iron ammeter,20A 48x48mm |  | <https://au.rs-online.com/web/p/ammeters/0244884> |
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|  | HV9910CLG-G | Cost is 0.80 AUD/ piece  Schematic: Chip | <https://au.element14.com/microchip/hv9910clg-g/universal-high-brightness-led/dp/2448503?ost=hv9910c> |
|  |  |  |  |
|  |  | Kit/variable  0.025 ohm  Resistor 1 (R2) | <https://au.element14.com/tt-electronics-welwyn/oar3-r025fi/resistor-1-0r025/dp/1200369> |
|  |  | fixed   * 1. Ohm)   Resistor 2 (R4) | <https://au.element14.com/vishay/lto030fr0100jte3/res-0r01-5-30w-to-220-thick-film/dp/9566872> |
|  |  | 100e-6 F  Capacitor 1 | <https://au.element14.com/c/passive-components/capacitors/aluminium-electrolytic-capacitors/leaded-aluminium-electrolytic-capacitors?capacitance=10uf> |
|  | MBR20100CT  (On Semi) | Avg Fwd Current 10 Amp  Breakdown Vol.  100 V  Diode 1 | <https://au.element14.com/multicomp/mbr20100ct/schottky-rectifier-20a-100v-to/dp/2675797?st=mbr20100> |
|  | IPA086N10N3GXKSA1 | V(ds) = 100 V  MOSFET  n-channel | <https://au.element14.com/infineon/ipa086n10n3gxksa1/mosfet-n-ch-100v-45a-to-220fp/dp/2480793?ost=ipa086n10n3> |
|  |  | 380e-6 H  Inductor 1 | <https://au.element14.com/multicomp-pro/mcap115018062a-381mu/inductor-380uh-20-2-pins/dp/1864223> |
|  | Copper Clad Board/ |  | <https://au.element14.com/cif/adb16/copper-clad-1-side-8-10-35-100x160mm/dp/1643092> |
|  | Wires | Assorted kit with various sized cables, can buy more wires later if needed. | <https://au.element14.com/multicomp/mc001810/hard-jumper-wire-22awg-140pc/dp/2770338?st=wire%20kit%20jumper> |
|  | Prototyping board |  | <https://au.element14.com/dfrobot/fit0203/2-dubl-side-prototype-board-58mm/dp/3769960> |

Additional: Fuse 25A 80VDC

Fuse 20A 80VDC

Fuse 15A 80VDC