

MyRef RevC (Premium BoM)

BR1: (omitted - substituted by DR1..DR4)
C1, C2: 220uF/50V Nichicon MUSE KZ (16 x 25mm, black/gold)
C3, C8: 10,000uF/50V Panasonic TS-UP (35mm diameter) or equivalent (not included)
C4: 47nF or 39nF, 250V X2 Rifa PHE840 or equivalent (Polypropylene - blue)
C5: 100nF/250V Wima MKS-3 (Polyester - red)
C6, C11: 47uF/25V Rubycon BlackGate PK (6 x 7 mm, black/gold) or Elna Cerafine ROA
C7: 150nF/63V Wima MKI2 (Polyphenyl Sulphide - black)
C9: 220uF/4V Rubycon BlackGate PK (6 x 7 mm, black/gold)
C10: 22pF/100V Siemens (C0G ceramic - blue)
C12: 180pF or 220pF Wima FKP2 (Polypropylene - green/red) or MKI2 (Polyphenyl Sulphide - black)
C13: 4.7uF/63V Panasonic ECQ (Polyester - brown)
C14: 220uF/35V Nichicon PW (8 x 16mm, brown/white) or Nippon Chemi-Con KZE
C15: 22uF/35V Elna RC2 (5 x 7 mm, yellow/black)
C16: 100uF/35V Elna RJJ (8 x 13 mm, brown/gold)
C17, C18: (omitted)
C21: 10nF/63V Wima FKP2 (Polypropylene - red) (**Optional - see Note 1**)
C30: 1000pF/63V Wima MKS02 (Polyester - red)
C32: 150pF/630V Wima FKP2 (Polypropylene - red)
C34: 10pF +/- 0.5 pF/500V (Silver Mica - brown)
D2, D3: BYV96E Philips (Fast/Soft Rectifier - green/white glass-passivated)
D4: 1N4006 Philips (white/black glass-passivated)
DR1, DR2, DR3, DR4: ON Semi MUR820/840/860/8100E (8A, Fast/Soft Rectifier)
IC1: LM318 (TI or NatSemi)
IC2: LM3886TF (Natsemi)
P1: 2-pin screw-connector (black)
Q1: BC639 TO92 transistor
Q2, Q3: BC546B TO92 transistor
R1, R4: 1k 5%, 2W CFR, non-magnetic leads (cream)
R2, R19: 10k 5%, 0.25W CFR, non-magnetic leads (cream)
R3: 0.47R, 5W Futaba metal-plate non-inductive/non-magnetic resistor (white, bend leads inward to fit)
R5, R8: 21.5k, 0.25W RN55D MFR non-magnetic, matched to better than +/- 0.01% (brown)
R6, R9: 46.4k, 0.25W RN55D MFR non-magnetic, matched to better than +/- 0.01% (brown)
R7: 12k 5%, 2W Mitsubishi/KOA MOX resistor, non-magnetic leads (sky-blue)
R10: 390R 2%, 0.25W Panasonic CFR, non-magnetic leads (blue)
R11: 1R 5%, 0.5W CFR, non-magnetic leads (cream)
R12, R37: 3k3 5%, 0.25W CFR, non-magnetic leads (cream)
R13, R21: 100k 5%, 0.25W CFR, non-magnetic leads (cream)
R14: 180R 5%, 1W CFR, non-magnetic leads (cream)
R15, R16: 75k 1%, 0.25W MFR, non-magnetic leads (blue)
R20: 47k 1%, 0.25W MFR, non-magnetic leads (blue)
R22: 8k2 1%, 0.25W MFR, non-magnetic leads (blue)
R23: 6k8 5%, 0.5W CFR (cream)
R39: 470k 1%, 0.25W MFR, non-magnetic leads (blue)
R42: 47R 1%, 0.25W MFR, non-magnetic leads (blue)
R43: 22k 1%, 0.25W MFR, non-magnetic leads (blue)
RL1: Goodsky RW-SH-124D 10A Relay or equivalent (blue)
ZD1, ZD2: 12V, 1W Zener Diode (glass-passivated)
PCB: DS, PTH, ~90mm x 104 mm, Sn/Pb finish with solder-mask
7x Fast-on tags

Note 1: Install C21 only after 100 hours of burn-in, if slight audible brightness persists after burn-in.