

| | RefDes | Value | Farnell PN | Mouser PN |
|----------------|--|-------------|------------|----------------------|
| QTY | Capacitors | | | - |
| 2 | C1L, C1R | 100pF 630V | 1413944 | 75-KP1830110631 |
| 1 | C1P | 3300uF 25V | 1712581 | 75-515D338M025EN6AE3 |
| 5 | C2L, C2R, C3L, C3R, C2P | 100nF 160V | 1166887 | 75-MKP1837410161F |
| 1 | C10P | 470uF 10V | 1907119 | 667-ECA-1AM471 |
| 2 | C4L (EQ), C4R (EQ) | 1n0 250v | 1413948 | 75-KP1830210631 |
| 4 | C4P, C5P, C7P, C8P | 47uF 350V | 9696440 | 667-EEU-ED2V470 |
| 2 | C6L (EQ), C6R (EQ) | 10nf 250v | 1413951 | - |
| 2 | C8L, C8R | 2.2uF 250V | | Clarity Cap CMR |
| 2 | C6P, C9P | 2.2uF 160V | 1848516 | 667-ECA-2CM2R2 |
| Diodes | | | | |
| 4 | D1L, D1P, D1R, D2P | 1N4002 | 2675792 | 621-1N4002-T |
| 2 | D3P, D4P | 1N4001 | 1458986 | 863-1N4001G |
| 4 | D5P, D6P, D7P, D8P | UF4007 | 1467503 | 512-UF4007 |
| 7 | ZD1L, ZD1R, ZD2L, ZD2P, ZD2R, ZD3L, ZD3R | 12V | 9844481 | 512-BZX79C12 |
| 1 | ZD1P | 2V 0.5w | | |
| 2 | LD1L, LD1R | 3mm LED | | |
| Semiconductors | | | | |
| 1 | IC1P | 7805 | 9756078 | 511-L7805CV |
| 3 | Q1L, Q1P, Q1R | IRF820 | 8648514 | 844-IRF820PBF |
| 2 | MultiFET PCBS | 2sk932-22tb | 1758057 | |
| QTY | Resistors | | | Vishay Resistors |
| 5 | R1L, R1R, R5L, R5R, R6P | 1K | 9465170 | 594-MRS251K1%TR |
| 1 | R1P | 4K7 | 9468692 | 594-MRS25000C4701FRP |
| 2 | R2L, R2R | 270R | 9466487 | 594-MRS25000C2700FCT |
| 2 | R2P, R3P* | 4.7R | | |
| 2 | R3L, R3R | 47K | 9468498 | 594-MRS25000C4702FCT |
| 2 | R4L, R4R* | 6M8 | 9469842 | DigiKey BC4241CT-ND |
| 1 | R5P | 100K | 9463895 | 594-MRS25000C1003FRP |
| 2 | R6L, R6R | 3K3 | 9467823 | 594-MRS25000C3301FCT |
| 2 | R7L, R7R | | | |
| 4 | R7P, R8L, R8R, R12P | 470K | 9468455 | 594-MRS25000C4703FCT |
| 1 | R8P | 150K | 9464620 | 594-MRS25000C1503FCT |
| 6 | R14L, R14R, R15L, R15R | 68K | 9469664 | DigiKey BC4240CT-ND |
| 2 | R10L (EQ), R10R (EQ) | 71.5k | | Must be 0.1% minimum |
| 4 | R9L, R9R, R20L, R20R | 1M | 9465499 | 594-MRS25000C1004FCT |
| 3 | R9P, R12L, R12R | 390R | 9467688 | 594-MRS25000C3900FCT |
| 1 | R10P (| 1K8 | 9465448 | 594-MRS25000C1801FCT |
| 4 | R11L, R11R, R19L, R19R | 100R | 9463909 | 594-MRS25000C1000FRP |
| 1 | R11P | 330K | 9467319 | 594-MRS25000C3303FCT |
| 2 | R13L, R13R | 1K2 | 9465251 | 594-MRS25000C1201FRP |
| 1 | R13P | 56R | 9469087 | 594-MRS25000C5629FRP |

| | | | | |
|---|----------------------|--------|---------|----------------------|
| 2 | R16L (EQ), R16R (EQ) | 220k | 9466037 | 594-MRS25000C2203FCT |
| 2 | R17L (EQ) R17R (EQ) | 33K | 9467351 | 594-MRS25000C3302FCT |
| 2 | R18L, R18R | 27K 2W | 2614537 | CCF0227K0JKR36 |

| Misc | | | | |
|------|---------------------------------------|--------------------------|---------|------------------|
| 2 | RL1, RL2 | TQ2-5V | 1175716 | 769-TQ2-5V |
| 2 | HV, LV | 3-pin | 3041451 | 710-691137710003 |
| 7 | NL, INR, LOADL, LOADR, OUTL, OUTR, SW | 2-pin | 3041440 | 710-691137710002 |
| 2 | V1, V3 | PCC88 | N/A | - |
| 1 | V2 | ECC83 or 6N2P via Jumper | | |
| 3 | 9 pin PCB mount tube Socket | B9A | | |
| 3 | Small Heatsink | | 1710605 | 513002B02500G |
| 1 | Large Heatsink | | 1313891 | 532-529802B25G |
| 1 | JP1 | 3-pin | 2668453 | 649-68000-103HLF |
| 1 | Jumper | | | 571-1-881545-2 |

| Transformer Spec | | | | |
|--------------------------------|--|--|--|--|
| PRIMARY: Local Voltage/240v UK | | | | |
| SEC I: 9.5-0-9.5v @1A | | | | |
| SEC II 175v @0.1A | | | | |

| Lead Spacing | Note |
|--------------|--------------|
| 5mm | 1% Tolerance |
| 7.5mm | |
| 5mm | |
| 3.5mm | |
| 5mm | 1% Tolerance |
| 7.5mm | |
| 5mm | 1% Tolerance |
| 27.5mm | |
| 2.5mm | |

| | |
|--------|--------|
| 12mm | |
| 12mm | |
| 12mm | |
| 11mm | |
| 11mm | |
| 2.54mm | Yellow |

| | | 0.1% Value | KOA SPEER |
|---------------|----------|------------|----------------------|
| 11mm | 1/4W | | 660-MF1/4DCT26A1001F |
| 11mm | 1/4W | | 660-MF1/4DCT52R4701F |
| 11mm | 1/4W | | 660-MF1/4DCT52R2700F |
| 12mm | 1W | | Unavailable |
| 11mm | 1/4W | | 660-MF1/4DCT52R4702F |
| 11mm | 1/4W | | Unavailable |
| 11mm | 1/4W | | 660-MF1/4DCT52A1003F |
| 11mm | 1/4W | | 660-MF1/4DCT52R3301F |
| Use Wire Link | | | |
| 11mm | 1/4W | | 660-MF1/4DCT52R4703F |
| 11mm | 1/4W | | 660-MF1/4DCT52R1503F |
| 11mm | 1/4W | | Unavailable |
| 11mm | 1/4W | | 660-MF1/4DCT52R7152F |
| 11mm | 1/4W | | 660-MF1/4DC1004F |
| 11mm | R9P – ½w | | 660-MF1/4DCT52R3900F |
| 11mm | 1/2w | | 660-MF1/4DC1801F |
| 11mm | 1/4W | | 660-MF1/4DCT52R1000F |
| 11mm | 1/4W | | 660-MF1/4DCT52R3303F |
| 11mm | 1/4W | | 660-MF1/4DCT52R1201F |
| 11mm | 1/4W | | 660-MF1/4DCT52R56R0F |

| | | | |
|---------|------|---|----------------------|
| 11mm | 1/4W | | 660-MF1/4DCT52R2203F |
| 11mm | 1/4W | | 660-MF1/4DCT52R3302F |
| 24-34mm | 2W | - | - |

