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|  | **DIY6550 PWM POWER SUPPLY** |  |  |  |  |  |  |
|  | COMPOSITE B/M REV8-3\_2\_3 8/24/2019 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| B/B | **COMPONENTS** | **QTY** | **DESCRIPTION** | **PART OR ORDER #** | **ON HAND** | **ORDER** |  |
|  | C401,409,439 | 3 | 4.7u | 587-2994-1 | $0.29 | $0.87 |  |
|  | C402 | 1 | 1000P 50V X7R 1206 | 732-8115-1 | $0.09 | $0.09 |  |
|  | C403,404,421,422,443,456 | 6 | 1u 50V X75 1206 | 1276-3091-1 | $0.09 | $0.54 |  |
|  | C405,C406 | 2 | 1500U 400V ALUM | 338-2122 | $14.19 | $28.38 |  |
|  | C407,410,441 | 3 | 2200U 25V RADIAL | 399-6652-1 | $0.38 | $1.14 |  |
|  | C411 | 1 | 0.033u 50V 1206 | 732-8124-1 | $0.11 | $0.11 |  |
|  | C412,432,438,442 | 4 | 0.1U 25V X7R 1206 | 732-8109-1 | $0.10 | $0.40 |  |
|  | C413,414 | 2 | 100u 100V RADIAL | 565-4013 | $0.53 | $1.06 |  |
|  | C418,419 | 2 | 0.47U 250V 1812 | 732-12128-1 | $0.68 | $1.36 |  |
|  | C420 | 1 | 3300U 50V ALUM | 495-6147 | $1.43 | $1.43 |  |
|  | C423,424,425,426, | 7 | 0.33U 50V 1206 | 1276-2860-1 | $0.12 | $0.84 |  |
|  | C427,428,429 | - |  |  | $0.00 | $0.00 |  |
|  | C430 | 1 | 100U 35V RADIAL | 1189-1300 | $0.20 | $0.20 |  |
|  | C431,433,435,449 | 4 | .01u 25V 1206 | 732-12286-1 | $0.10 | $0.40 |  |
| chng | C434,447 | 2 | 470p 50V 1206 | 1276-2778-1 | $0.11 | $0.22 |  |
|  | C437,454,455 | 3 | 1000p 630V 1812 | 399-16773-1 | $0.54 | $1.62 |  |
|  | C440 | 1 | 15P 500V 1206 | 490-14667-1 | $0.23 | $0.23 |  |
|  | C444 | 1 | .1 100V 1812 | 311-4552-1 | $0.65 | $0.65 |  |
|  | C445 | 1 | 100p 100V X7R 1206 | 732-12086-1 | $0.13 | $0.13 |  |
|  | C446,450,452 | 3 | 10u 25V 0805 | 490-16824-1 | $0.30 | $0.90 |  |
|  | C448 | 1 | 10P 500V 1206 | 311-4431-1 | $0.20 | $0.20 |  |
|  | C451,453 | 2 | .1u 50V 0805 | 1276-2450-1 | $0.05 | $0.10 |  |
|  | C457 | 1 | 10u X5R 25V 1206 | 1276-1075-1 | $0.15 | $0.15 |  |
|  | D401 | 1 | DIODE, SCHOTTKY SOD123 | 1727-7326-1 | $0.27 | $0.27 |  |
|  | D402,407 | 2 | ZENER, 5.1V SOD123 | MMSZ4689T1GOSCT | $0.16 | $0.32 |  |
|  | D404 | 1 | ZENER 18V SOD123 | MMSZ4705T1GOSCT | $0.16 | $0.16 |  |
|  | D405,413,416 | 3 | 1A 200V | 1N4003-TPMSCT | $0.10 | $0.30 |  |
|  | D406 | 1 | ZENER, 10V 3W SMA | 3SMBJ5925B-TPMSCT | $0.35 | $0.35 |  |
|  | D408,414,415 | 3 | ZENER 2.7V DO-41 | MMSZ5223B-TPMSCT | $0.17 | $0.51 |  |
|  | D403,405,409,410,411 | 5 | 1N914 | 1N914BCT | $0.08 | $0.40 |  |
|  | DB401 | 1 | 50A 1000V | GBPC5010-BPMS | $3.76 | $3.76 |  |
|  | DB402 | 1 | BRIDGE RECT. 3A | GBU601DI-ND | $1.12 | $1.12 |  |
|  | DD401,402 | 2 | 650V 40A ARRAY | IDW60C65D1XKSA1 | $3.21 | $6.42 |  |
|  | F401 | 1 | 15A FB 3AG | F1772 | $0.85 | $0.85 |  |
|  | F402 | 1 | 1A 2AG | F2452 | $0.63 | $0.63 |  |
|  | J401 | 1 | 8 PIN DIN JACK | CP-7080 | $2.57 | $2.57 |  |
|  | J402 | 1 | AC POWER ENTRY | 4-6609987-3 | $3.75 | $3.75 |  |
|  | J403,404 | 2 | TERMINAL, CABLE | CXS35-36-C | $1.26 | $1.26 |  |
|  | J405 THRU J410 | 6 | 2 PIN PCB HDR | WM4200 | $0.11 | $0.66 | 100 qty |
|  | JX401 THRU JX416 | 16 | FASTON RECEPTACLE | A27680CT | $0.15 | $2.40 | 100 qty |
|  | K401,404 | 2 | RELAY, 24V 8.3MA | Z769 | $2.16 | $4.32 | 25 qty |
|  | K402 | 1 | RELAY, SPST 30A | 255-1722-ND | $4.05 | $4.05 |  |
|  | K403 | 1 | DPDT 40A | PB491 | $15.63 | $15.63 |  |
|  | L401,402 | 2 | 150UH 2.A | 535-13029 | $1.04 | $1.04 |  |
|  | L403 | 1 | 2X50U | SC-15-05J | $6.00 | $6.00 |  |
|  | L404 | 1 | 30U | FABRICATE | $0.00 | $0.00 |  |
|  | L405 | 1 | 4.7U | M10118 | $1.50 | $1.50 |  |
|  | MTR401 | 1 | 54CFM | P15567 | $6.67 | $6.67 |  |
|  | P401 | 1 | 8 PIN DIN CABLE PLUG | CP-1080 | $2.10 | $2.10 |  |
|  | P402 | 1 | BULGIN PX0507 PLUG | 708-1342 | $4.87 | $4.87 |  |
|  | P405,406,407,409,410 | 5 | 2 PIN PLUG | WM2000 | $0.08 | $0.40 | 50 qty |
|  | P410,411,412 | 3 | 3 PIN PLUG | WM2001 | $0.12 | $0.12 | 50qty |
|  | PL401 | 1 | GRN LED 3MM | 732-5008 | $0.15 | $0.15 |  |
|  | PL402,403 | 2 | RED LED 3MM | 732-5006 | $0.17 | $0.34 |  |
|  | PX405 THRU 408 | 4 | FAST ON PLUG | A29938CT | $0.09 | $0.36 | 25 qty |
|  | Q401 | 1 | FDV301N | FDV301NCT | $0.21 | $0.21 |  |
|  | Q402 | 1 | 1HP04CH | 1HP04CH-TL-WOSCT | $0.49 | $0.49 |  |
|  | Q403,407 | 2 | TP0604 | TP0604N3-G | $1.04 | $2.08 | 25 qty |
|  | Q404,408,410 | 3 | BS270 | BS270-D74ZFSCT | $0.32 | $0.32 |  |
|  | Q405,406 | 2 | C2M0040120D | C2M0040120D | $34.12 | $34.12 |  |
|  | Q409 | 1 | IRF510 | IRF510PBF | $0.79 | $0.79 |  |
|  | R401,R404,426 | 3 | 33K | 311-33.0KFRCT | $0.08 | $0.24 |  |
|  | R402 | 1 | 8.2K | 311-8.20KFRCT | $0.08 | $0.08 |  |
|  | R403 | 1 | 240K | 311-240KFRCT | $0.08 | $0.08 |  |
|  | R405,406 | 2 | 5.1K | 311-5.10KFRCT | $0.08 | $0.16 |  |
|  | R407 | 1 | 510 | 311-510FRCT | $0.08 | $0.08 |  |
|  | R408 | 1 | 22K | 311-22.0KFRCT | $0.08 | $0.08 |  |
|  | R409 | 1 | 180 | 311-180FRCT | $0.08 | $0.08 |  |
|  | R410 | 1 | 2200 | 311-2.20KFRCT | $0.08 | $0.08 |  |
|  | R411,440 | 2 | 3.9K | 311-3.90KFRCT | $0.08 | $0.16 |  |
|  | R412,427,463 | 3 | 1K | 311-1.00KFRCT | $0.08 | $0.24 |  |
|  | R413,415 | 2 | 100 | RMCP2010FT100RCT | $0.40 | $0.80 |  |
|  | R414,416 | 2 | 150 | 311-150FRCT | $0.08 | $0.16 |  |
|  | R417 | 1 | 10 | HS2510RJ | $2.80 | $2.80 |  |
|  | R418 | 1 | 390 | 311-390FRCT | $0.08 | $0.08 |  |
|  | R419 | 1 | 22 | 311-22.0FRCT | $0.08 | $0.08 |  |
|  | R420 | 1 | 10K | PWR221T-30-1002F | $2.45 | $2.45 |  |
|  | R421 | 1 | 422 | 311-422FRCT | $0.08 | $0.08 |  |
|  | R422 | 1 | 10.0K | P10.0KAACT | $0.22 | $0.22 |  |
|  | R423 | 1 | 270 | 311-270FRCT | $0.08 | $0.08 |  |
|  | R424 | 1 | 0.0013 | PCB FAB | $0.00 | $0.00 |  |
|  | R425,434,437,447,448, | 7 | 10K | 311-10.0KFRCT | $0.08 | $0.56 |  |
|  | 457,472 |  |  |  | $0.00 | $0.00 |  |
|  | R436,438,439 | 3 | 3.3K | 311-3.30KFRCT | $0.08 | $0.24 |  |
|  | R428,429 | 2 | 4.7K | 311-4.70KFRCT | $0.08 | $0.16 |  |
|  | R430 | 1 | 560 | 311-560FRCT | $0.08 | $0.08 |  |
|  | R431 | 1 | 56K | 311-56.0KFRCT | $0.08 | $0.08 |  |
|  | R432 | 1 | 24K | 311-24.0KFRCT-ND | $0.08 | $0.08 |  |
|  | R433 | 1 | 2.4K | 311-2.40KFRCT | $0.08 | $0.08 |  |
|  | R435 | 1 | 13.7K | 311-13.7KFRCT | $0.08 | $0.08 |  |
|  | R436,438,439 | 3 | 3.3K | 311-3.30KFRCT | $0.08 | $0.24 |  |
|  | R441,471 | 2 | 470 | 311-470FRCT | $0.08 | $0.16 |  |
|  | R442 | 1 | 100 | A132031 | $3.56 | $3.56 |  |
|  | R443 | 1 | 3.3 | 3.3W-10 | $0.70 | $0.70 |  |
|  | R444 | 1 | 5.6 | 5.6W-5 | $0.49 | $0.49 |  |
|  | R445 | 1 | 2.55K | 311-2.55KFRCT | $0.08 | $0.08 |  |
|  | R446 | 1 | 249 | 311-249FRCT | $0.08 | $0.08 |  |
|  | R449 | 1 | 1M | 541-4174-1 | $0.08 | $0.08 |  |
|  | R450 | 1 | 18K | 311-18.0KFRCT | $0.08 | $0.08 |  |
|  | R451 | 1 | 1.3K | 311-1.30KFRCT | $0.08 | $0.08 |  |
|  | R452,453,454,455,456 | 5 | 100 | 311-100FRCT | $0.08 | $0.40 |  |
|  | R458 | 1 | 6.8K 3W 4122 | A103579CT | $0.40 | $0.40 |  |
|  | R459 | 1 | 27 | 27QBK | $0.07 | $0.07 |  |
|  | R460,461,470 | 3 | 22 | 696-1689-5 | $3.34 | $10.02 |  |
|  | R462 | 1 | 100K | 311-100KFRCT | $0.08 | $0.08 |  |
|  | R464 | 1 | 300 | 311-300FRCT | $0.08 | $0.08 |  |
|  | R465,466 | 2 | 10 | RMCF1206JG10R0CT | $0.03 | $0.06 |  |
|  | R468 | 1 | 120 | A121132CT | $0.54 | $1.08 |  |
|  | R469 | 1 | 22K | 311-22.0KFRCT | $0.08 | $0.08 |  |
|  | R473,474 | 2 | 25 3W 2512 | A121192CT | $0.54 | $1.08 |  |
|  | R475 | 1 | 10M | 311-10.0MFRCT | $0.08 | $0.08 |  |
|  | R476 | 1 | 2.2 | A103622CT | $0.39 | $0.39 |  |
|  | S401,402 | 2 | SPDT | EG5419 | $3.42 | $6.84 |  |
|  | S403 | 1 | MOM NC | 553PB | $1.37 | $1.37 |  |
|  | S404 | 1 | MOM NO | MS0850504F035S1C | $1.33 | $1.33 |  |
|  | S405 | 1 | 4PST DIP SMT | CT2184LPST | $1.17 | $1.17 |  |
|  | T401 | 1 | POWER XFMR | FABRICATE | $0.00 | $0.00 |  |
|  | T402 | 1 | 28V 56VA | 595-1028 | $0.00 | $0.00 |  |
|  | T402 (OPTIONAL) | 1 | 28V 36VA | 237-1844 | $11.29 | $11.29 |  |
|  | T403 | 1 | TRANSFORMER, FLYBACK | FABRICATE | $0.00 | $0.00 |  |
|  | TR401 | 1 | 10K | BC2898-ND | $1.89 | $1.89 |  |
|  | TVS401,402 | 2 | TRANSORB | SMLJ170CABCT | $1.04 | $1.04 |  |
|  | U401 | 1 | TL494 | 296-10194-5 | $0.65 | $0.65 |  |
|  | U402,406 | 2 | LM358 | 296-36107-5 | $0.35 | $0.70 |  |
|  | U403 | 1 | LM317T | 296-13869-5 | $0.69 | $0.69 |  |
|  | U404 | 1 | L78S24 | 497-1470-5 | $0.73 | $0.73 |  |
|  | U405 | 1 | Si8233 | 336-3066 | $2.40 | $2.40 |  |
|  | SOCKET (OPTIONAL) | 1 | 16 PIN DIP(OPTIONAL) | AE9992 | $0.24 | $0.24 |  |
|  | SOCKET (OPTIONAL) | 2 | 8 PIN DIP(OPTIONAL) | AE9986 | $0.17 | $0.34 |  |
|  | PCB | 1 | REV8-3\_2\_3 | FAB | $70.00 | $70.00 |  |
|  | RUBBER FEET | 4 | .687D X 1/4 | 36-724 | $0.42 | $1.68 |  |
|  | FUSE CLIP | 2 | 2AG FUSEHOLDER | WK6243 | $0.18 | $0.18 |  |
|  | FH401 | 1 | 3AG FUSEHLDR 250V 16A | F055 | $4.78 | $4.78 |  |
|  | E CORE | 6 | MAGNETICS INC. | 0P45530EC | $3.50 | $21.00 |  |
|  | BOBBIN, E CORE | 3 | MAGNETICS INC | PCB5530FA | $4.00 | $12.00 |  |
|  | P CORE | 2 | POT CORE 78 14/8 | 5678140921 | $1.00 | $2.00 |  |
|  | BOBBIN | 1 | U/W 14/8 P CORE | 865542 | $0.75 | $0.75 |  |
|  | FASTON FREE END RT | 4 | .250X.032 AWG14-18 | 920044-15 | $0.00 | $0.00 |  |
|  | SHOULDER WASHER | 2 | 4-40 .135 SHOULDER | RPC1554 | $0.15 | $0.15 |  |
|  | STANDOFF, ALUM RND | 5 | 6-32 X .5 THD'D | 36-3487 | $0.32 | $1.60 |  |
|  | STANDOFF, INSULATING | 1 | 6-32 X .5 THD'D | 36-1903C | $0.67 | $0.67 |  |
|  | BRACKET | 12 | RT ANG .5 THD X .578 | 36-617 | $0.40 | $4.80 | 50 qty |
|  | BRACKET | 8 | RT ANG 9/16 SQ THD'D | 36-4334 | $0.31 | $2.48 |  |
|  | TERMINAL | 12 | U/W WM2000 2001 | WM1114CT | $0.05 | $0.60 |  |
|  | HOOKUP WIRE 10 FT |  | #16 GRY | C76512S-50 | $0.00 | $0.00 |  |
|  | GRILL, FAN GUARD, 2 PER | 2 | 92MM | 1053-1383 | $0.82 | $1.64 |  |
|  | ALUMINUM SHEET, 0.040 | 1 | 3003 3 SQ FT | MBF |  | $336.08 |  |
|  | TAPE, KAPTON 1 1/4" 2MIL | 1 | 5YD | EBAY |  |  |  |
|  | TAPE, KAPTON, 1" 1MIL | 1 | 1YD | EBAY |  |  |  |
|  | TAPE, ALUM FOIL, 1/2" | 1 | 3YD | EBAY |  |  |  |
|  | HS1 (SEE DWG.) | 1 | 4"Wx5"Hx1 1/4"D 1/4"WEB | EBAY; D&T |  |  |  |
|  | HS2 (SEE DWG) | 1 | 600X140X20MM BULK MTL | EBAY; CUT, D&T |  |  |  |
|  | HS3 (SEE DWG) | 1 | 3003 ALUM SHT | FAB; CUT, BEND, D&T |  |  |  |