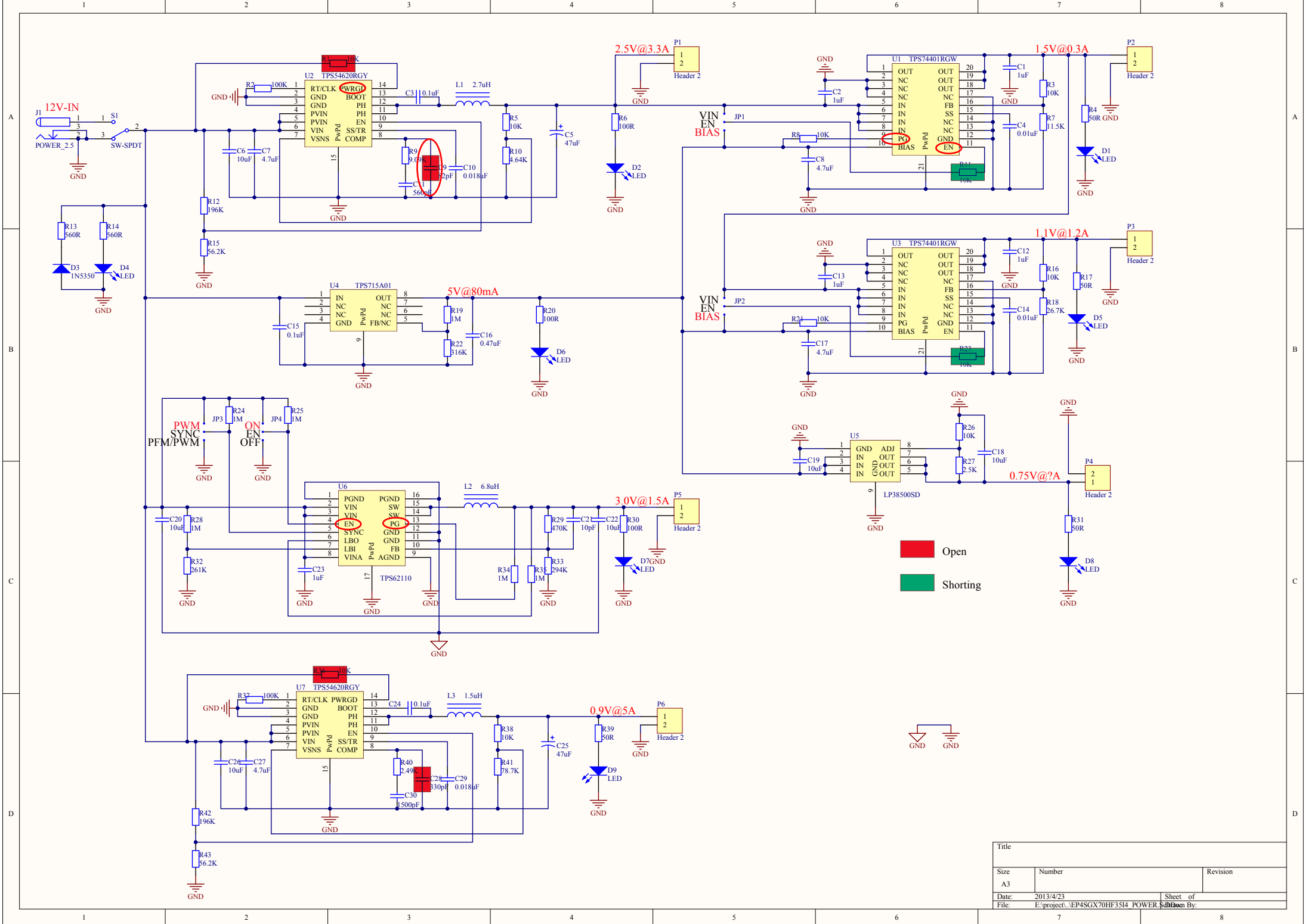




|       |                                 |          |
|-------|---------------------------------|----------|
| Title |                                 |          |
| Size  | Number                          | Revision |
| A3    |                                 |          |
| Date: | 2013/4/23                       | Sheet of |
| File: | E:\project\EP4SGX70HF3514 POWER | Sub By:  |

| Comment       | Description                                                               | Designator                                                                                                                | Footprint      | LibRef        | Quantity |
|---------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------|---------------|----------|
| Cap           | Capacitor                                                                 | C1, C2, C3, C4, C6, C7, C9, C10, C11, C12, C13, C14, C15, C16, C18, C19, C24, C26, C27, C28, C29, C30                     | 0805           | Cap           | 22       |
| Cap Pol1      | Polarized Capacitor (Radial)                                              | C5, C25                                                                                                                   | 7343T(D)       | Cap Pol1      | 2        |
| 4.7uF         | Capacitor                                                                 | C8, C17                                                                                                                   | 0805           | Cap           | 2        |
| 10uF          | Capacitor                                                                 | C20, C22                                                                                                                  | RAD-0.3        | Cap           | 2        |
| 10pF          | Capacitor                                                                 | C21                                                                                                                       | RAD-0.3        | Cap           | 1        |
| 1uF           | Capacitor                                                                 | C23                                                                                                                       | RAD-0.3        | Cap           | 1        |
| LED           | Typical INFRARED GaAs LED                                                 | D1, D2, D4, D5, D6, D7, D8, D9                                                                                            | LED-0          | LED           | 8        |
| 1N5350        | High Conductance Fast Diode                                               | D3                                                                                                                        | DO-35          | Diode 1N4148  | 1        |
| POWER_2.5     |                                                                           | J1                                                                                                                        |                | POWER_2.5     | 1        |
| JP3           |                                                                           | JP1, JP2, JP3, JP4                                                                                                        |                | JP3           | 4        |
| Inductor Iron | Magnetic-Core Inductor                                                    | L1, L2, L3                                                                                                                | SMD43          | Inductor Iron | 3        |
| Header 2      | Header, 2-Pin                                                             | P1, P2, P3, P4, P6                                                                                                        | D2PP-2P(5.0mm) | Header 2      | 5        |
| Header 2      | Header, 2-Pin                                                             | P5                                                                                                                        | HDR1X2         | Header 2      | 1        |
| Res2          | Resistor                                                                  | R1, R2, R3, R5, R7, R8, R9, R10, R11, R12, R15, R16, R18, R19, R21, R22, R23, R26, R27, R36, R37, R38, R40, R41, R42, R43 | 0805           | Res2          | 26       |
| 50R           | Resistor                                                                  | R4, R17, R31, R39                                                                                                         | AXIAL-0.4      | Res2          | 4        |
| 100R          | Resistor                                                                  | R6, R20, R30                                                                                                              | AXIAL-0.4      | Res2          | 3        |
| 560R          | Resistor                                                                  | R13, R14                                                                                                                  | AXIAL-0.4      | Res2          | 2        |
| 1M            | Resistor                                                                  | R24, R25, R28, R34, R35                                                                                                   | AXIAL-0.4      | Res2          | 5        |
| 470K          | Resistor                                                                  | R29                                                                                                                       | AXIAL-0.4      | Res2          | 1        |
| 261K          | Resistor                                                                  | R32                                                                                                                       | AXIAL-0.4      | Res2          | 1        |
| 294K          | Resistor                                                                  | R33                                                                                                                       | AXIAL-0.4      | Res2          | 1        |
| SW-SPDT       | SPDT Subminiature Toggle Switch, Right Angle Mounting, Vertical Actuation | S1                                                                                                                        | TL36WW15050    | SW-SPDT       | 1        |
| TPS74401RGW   |                                                                           | U1, U3                                                                                                                    | TPS74401       | TPS74401RGW   | 2        |
| TPS54620RGY   |                                                                           | U2, U7                                                                                                                    | TPS54620       | TPS54620RGY   | 2        |
| TPS715A01     |                                                                           | U4                                                                                                                        | TPS715Axx      | TPS715A01DRBR | 1        |
| LP38500SD     |                                                                           | U5                                                                                                                        | PL38500SD      | LP38500SD     | 1        |
| TPS62110      |                                                                           | U6                                                                                                                        |                | TPS62110      | 1        |