



| Title            |                                       |                         |
|------------------|---------------------------------------|-------------------------|
| Kelly Layer v1.2 |                                       |                         |
| Size             | Number                                | Revision                |
| A                |                                       |                         |
| Date:            | 3/22/2020                             | Sheet of                |
| File:            | D:\OneDrive\.\Kelly Layer v1.2.SchDoc | Drawn By: Brian Barrett |

| Comment                         | Description            | Designator  | Footprint                        | LibRef                          | Quantity |
|---------------------------------|------------------------|---|----------------------------------|---------------------------------|----------|
| 22uF                            | SMT Capacitor          | C1, C2  | CAP 0805/2012 RF                 | Capacitor                       | 2        |
| B130                            |                        | D1  | SOD-123                          | Diode                           | 1        |
| 0R                              | SMT Resistor           | DNP1, DNP2  | CAP 0603/1608 RF                 | Resistor                        | 2        |
| 10k                             | SMT Resistor           | DNP3, DNP4, R3, R4,<br>R5, R6, R7, R8, R11,<br>R13, R14 | CAP 0603/1608 RF                 | Resistor                        | 11       |
| Header 2*25P Bike<br>Controller | Header                 | Header  | 1.0mm 2X25 Header -<br>DbI Layer | Header 2*25P Bike<br>Controller | 1        |
| 10uH                            | SMT Inductor           | L1  | IND 4x4 2                        | Inductor                        | 1        |
| Header 2H                       | Header, 2-Pin          | PWR, Speed  | SH 1.0 * 2                       | Header 2H                       | 2        |
| PNP                             | PNP Bipolar Transistor | Q1, Q4  | SOT-23                           | PNP                             | 2        |
| NPN                             | PNP Bipolar Transistor | Q2, Q3  | SOT-23                           | NPN                             | 2        |
| 40k                             | SMT Resistor           | R1  | CAP 0603/1608 RF                 | Resistor                        | 1        |
| 1k                              | SMT Resistor           | R2, R9, R12   | CAP 0603/1608 RF                 | Resistor                        | 3        |
| 4.3k                            | SMT Resistor           | R10   | CAP 0603/1608 RF                 | Resistor                        | 1        |
| Header 3H                       | Header, 3-Pin          | Regen, Throttle   | SH 1.0 * 3                       | Header 3H                       | 2        |
| BSS138                          | N-Channel MOSFET       | U1, U2  | SOT-23                           | N MOSFET                        | 2        |
| MT3608                          |                        | U5  | SOT-23 (6)                       | MT3608                          | 1        |
| Header 4H                       | Header, 4-Pin          | UART  | SH 1.0 * 4                       | Header 4H                       | 1        |
|                                 |                        |   |                                  |                                 |          |