



|       |                                  |  |                                 |         |     |
|-------|----------------------------------|--|---------------------------------|---------|-----|
| Title |                                  |  | RBE3001 Arm Boards with Encoder |         |     |
| Size  | Number                           |  | Revision                        |         | 1.3 |
| A     |                                  |  |                                 |         |     |
| Date: | 8/23/2017                        |  | Sheet of                        | 1 of 1  |     |
| File: | C:\Users\...\sm Arm Board.SchDoc |  | Drawn By:                       | M.Hiatt |     |

| Comment        | Description  | Designator             | Footprint                    | LibRef         | Quantity |
|----------------|--|------------------------|------------------------------|----------------|----------|
| Motor          |  | 3PinSM                 | 4PinSM                       | 3PinSM         | 1        |
| LoadCell       |  | 4Pin SM                | SOIC127P370X135-2N           | 4PinSM         | 1        |
| Header 4       | Header, 4-Pin  | add_out                | HDR1X4                       | Header 4       | 1        |
| AS5050A        |  | AS5055A                | AS5050A                      | AS5050A        | 1        |
| Cap Semi       | Capacitor<br>(Semiconductor SIM<br>Model)  | C2, C3, C4, C5, C6, C7 | 0402                         | Cap Semi       | 6        |
| HDMI_Connector |  | HDMI                   | SQFP50P1720X2320X24<br>5-38N | HDMI_Connector | 1        |
| INA826AIDR     | Precision, 200-uA<br>Supply Current, 36-V<br>Supply Instrumentation<br>Amplifier, -40 to 125<br>degC, 8-pin SOIC (D8),<br>Green (RoHS & no<br>Sb/Br) | INA826AIDR             | TI-D8_N                      | INA826AIDR     | 1        |
| Res3           | Resistor   | R3, R4                 | J1-0603                      | Res3           | 2        |
| voltageRef     |  | voltageRef             | SOT95P280X140-3N             | voltageRef     | 1        |
|                |  |                        |                              |                |          |