

Variant: 001  
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 TID #: TIDA-060045



**TIDA-060045 REV E1.1 Bill of Materials**

| Item # | Designator                        | Quantity | Value | PartNumber          | Manufacturer              | Description   | PackageReference              |
|--------|-----------------------------------|----------|-------|---------------------|---------------------------|---|-------------------------------|
| 1      | IPCB1                             | 1        |       | TIDA-060045         | Any                       | Printed Circuit Board   |                               |
| 2      | C1, C12, C14, C17                 | 4        | 0.1uF | C0402C104K4RACAUTO  | Kemet                     | CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402                 | 402                           |
| 3      | D1                                | 1        |       | LG L29K-F2J1-24-Z   | Osram                     | Green 570nm LED Indication - Discrete 1.7V 0603 (1608 Metric)                 | 603                           |
| 4      | J2, J3                            | 2        |       | HTSW-110-14-G-D     | Samtec                    | Header, 2.54mm, 10x2, Gold, TH  | Header, 2.54mm, 10x2, TH      |
| 5      | R1, R2, R10, R14                  | 4        | 33    | RMCF0402FT33R0      | Stackpole Electronics Inc | RES, 33.0, 1%, 0.063 W, AEC-Q200 Grade 0, 0402                                | 402                           |
| 6      | R3, R4, R5, R6, R8, R11, R12, R13 | 8        | 0     | RMCF0603ZT0R00      | Stackpole Electronics Inc | RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603                                     | 603                           |
| 7      | R7                                | 1        | 2.20k | ERA2AEB222X         | Panasonic                 | RES, 2.20 k, 0.1%, 0.0625 W, AEC-Q200 Grade 0, 0402                           | 402                           |
| 8      | U7, U8, U10, U11                  | 4        |       | TMAG5170A1QDGKR     | Texas Instruments         | 3-Axis Linear Hall Effect Sensor With SPI Interface                           | VSSOP8                        |
| 9      | C2, C3, C4, C5                    | 0        | 1µF   | C1608X7R1E105K080AE | TDK                       | C Series 0603 1 uF 25 V ±10 %Tolerance X7R SMT Multilayer Ceramic Capacitor   | 603                           |
| 10     | C8, C9, C10                       | 0        | 33 pF | C0603C330J5GACTU    | KEMET                     | Capacitor; Ceramic; Cap; 33.0pF; Tol 5%; SMT; Vol-Rtg 50V; COG; Tape and Reel |                               |
| 11     | R9, R15, R16                      | 0        | 49.9  | M55342K12B49D9T     | TT Electronics/IRC        | RES, 49.9, 1%, 0.1 W, 0603  | 603                           |
| 12     | TP1, TP2, TP3, TP4, TP5           | 0        |       | 5013                | Keystone                  | Test Point, Multipurpose, Orange, TH  | Orange Multipurpose Testpoint |

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