

| Designator                         | Comment            | Value       | Description                                     | Quantity | Digi-Key Part number                   |
|------------------------------------|--------------------|-------------|---|----------|--|
| C1, C2, C3, C4, C5, C6, C7, C8, C9 | C0402              | 100n        | CERCAP 100n 16V 5% X7R 0402                     | 9        | 311-1338-1-ND                          |
| CN1                                | Header 10x2 STMod+ | Header 10x2 | Header 10x2, 2mm, RA, TH, Height 3.20mm/3.      | 1        | 2073-BF060-20A-B-0200-0280-0305-L-D-ND |
| D1, D2                             | MMBZ5227BLT1G      |             | Zener Voltage Regulator, 225 mW, 3-Pin SOT-2    | 2        | MMBZ5227BLT1GOSCT-ND                   |
| J3                                 | 1757488            |             | TERM BLOCK HDR 3POS 90DEG 5MM                   | 1        |  |
| LS1                                | AI-1223-TWT-3V-2-R |             | BUZZER MAGNETIC 3V 12MM TH                      | 1        | 668-1456-ND                            |
| Q1, Q2, Q3                         | AO3400             |             | N-channel Enhancement Mode Field-Effect Tra     | 3        |  |
| R1                                 | R0402              | 620R        | RES 620R 62.5mW 1% 0402                         | 1        | 311-620LRCT-ND                         |
| R2                                 | R0402              | 220R        | RES 220R 62.5mW 1% 0402                         | 1        | 311-220LRCT-ND                         |
| R3, R9, R10                        | R0402              | 1K          | RES 1K 62.5mW 1% 0402                           | 3        | 311-1.00KLRCT-ND                       |
| R4                                 | R0402              | 4M7         | RES 4M7 62.5mW 1% 0402                          | 1        | 13-RC0402FR-074M7LCT-ND                |
| R5, R11, R12                       | R0402              | 10K         | RES 10K 62.5mW 1% 0402                          | 3        | 311-10.0KLRCT-ND                       |
| R6, R13                            | R0402              | 100R        | RES 100R 62.5mW 1% 0402                         | 2        | 311-100LRCT-ND                         |
| R7                                 | R0402              | 10M         | RES 10M 62.5mW 1% 0402                          | 1        | 311-10.0MLRCT-ND                       |
| R8                                 | R0402              | 2M2         | RES 2M2 62.5mW 1% 0402                          | 1        | 13-RC0402FR-072M2LCT-ND                |
| R14                                | R0805              | 50m         | RES 0R05 125mW 1% 0805                          | 1        | 13-PE0805FRF070R05LCT-ND               |
| U1                                 | PSSI2021SAY,115    |             | NEXPERIA - PSSI2021SAY,115 - IC, CURRENT SC     | 1        | 1727-4328-1-ND                         |
| U2                                 | LM321LVIDCKR       |             | IC OPAMP GP 1 CIRCUIT SC70-5                    | 1        | 296-53426-1-ND                         |
| U3                                 | TMUX1248DCKR       |             | 3- LOW RON, 5-V, 2:1 (SPDT) GENE                | 1        | 296-TMUX1248DCKRCT-ND                  |
| U4                                 | INA180A4IDBVR      | 200V/V      | Operational Amplifier, 1 Func, 500uV Offset-M   | 1        | 296-47655-1-ND                         |
| U5                                 | INA180A2IDBVR      | 50V/V       | Operational Amplifier, 1 Func, 500uV Offset-M   | 1        | 296-47653-1-ND                         |
| U6, U7, U8, U9, U10                | WS2812B            |             | Intelligent Control LED Integrated Light Source | 5        |  |
| TP7                                | Keystone           |             | TP SMD 3.81x 2.03mm                             | 1        | 36-5019CT-ND                           |

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|------------------|
| Digi-Key         |
| Already supplied |