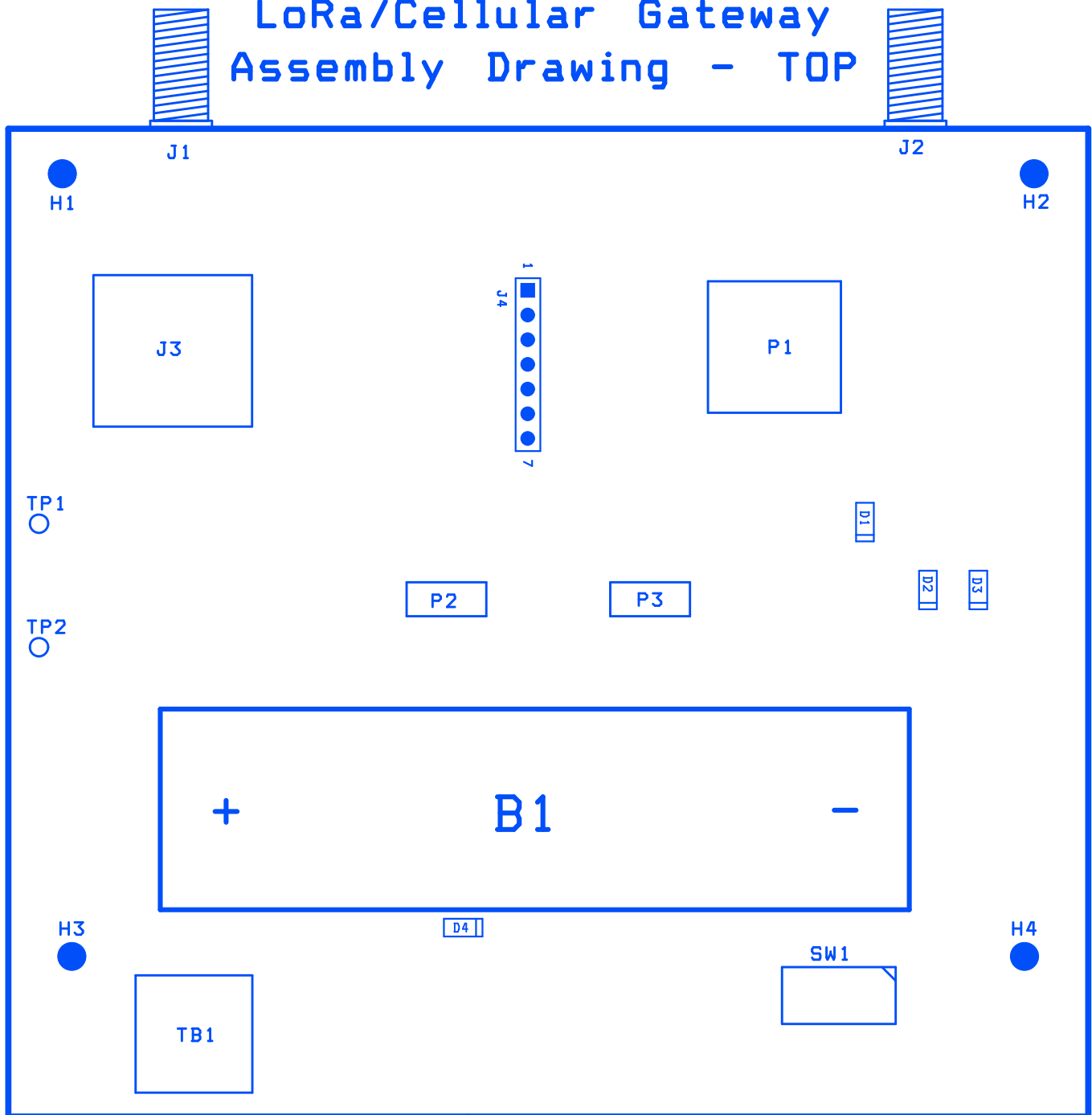


| Item | Qty | Part                | Value                | Reference  |
|------|-----|---------------------|----------------------|--|
| 1    | 1   | 1043                | Battery-18650_1043P  | B1   |
| 2    | 14  | C0805X5R106V25      | 10uF 25v             | C1,C4,C7,C10,C11,C15,C18,<br>C19,C20,C26,C27,C28,C29,<br>C32 |
| 3    | 8   | C0603X5R105V16      | 1uf                  | C2,C3,C8,C13,C14,C17,C25,<br>C31                             |
| 4    | 3   | C0603NP0103V50      | .01uf NPO            | C5,C16,C30   |
| 5    | 3   | C0603X7R104V50      | .1uf                 | C6,C22,C24   |
| 6    | 2   | C0603NPO180V50      | 18pf                 | C9,C12   |
| 7    | 2   | C0603NPO470V50      | 47pf                 | C21,C23  |
| 8    | 1   | C0805X5R105V35      | 1uf 35v              | C33  |
| 9    | 4   | LTST-C171GKT        | LED                  | D1,D2,D3,D4  |
| 10   | 3   | MBR0580S1-7         | MBR0580S             | D5,D7,D8   |
| 11   | 1   | PMEG4005EG          | PMEG4005EG           | D6   |
| 12   | 4   |                     | FIDUCIAL/Round       | FID1,FID2,FID3,FID4  |
| 13   | 4   | 9911-062            | spacer               | H1,H2,H3,H4  |
| 14   | 2   | CON-SMA-EDGE-S      | CON-SMA-EDGE-S       | J2,J1  |
| 15   | 1   | 009162006216715     | MiniSIM              | J3   |
| 16   | 1   | DNL                 | CON7                 | J4   |
| 17   | 1   | NR6045T100M         | 10uH 3A              | L1   |
| 18   | 1   | NCP18XH103D03RB     | 10k NTC              | NTC1   |
| 19   | 1   | 503398-1892         | SD Card              | P1   |
| 20   | 2   | 105133-001          | USB/MicroB           | P2,P3  |
| 21   | 2   | DMG2305UX           | DMG2305UX            | Q1,Q5  |
| 22   | 2   | SSM3K376RLF         | SSM3K376R            | Q2,Q4  |
| 23   | 1   | RQ5E035ATTCL        | RQ5E035ATTCL         | Q3   |
| 24   | 1   | BC817-40W           | BC817                | Q6   |
| 25   | 4   | R0603-4702          | 47k                  | R1,R2,R13,R14  |
| 26   | 6   | R0603-1002          | 10k                  | R3,R19,R20,R23,R24,R26                                       |
| 27   | 2   | R0603-3300          | 330                  | R25,R4   |
| 28   | 5   | R0603-3901          | 3.9k                 | R5,R6,R7,R8,R9   |
| 29   | 4   | R0603-27R0          | 27                   | R10,R11,R12,R15  |
| 30   | 3   | R0603-5100          | 510                  | R16,R17,R28  |
| 31   | 1   | R0805-1R00          | 1 ohm                | R18  |
| 32   | 1   | R0603-2201          | 2.2k                 | R21  |
| 33   | 1   | R0603-3002          | 30k                  | R22  |
| 34   | 1   | R0603-3601          | 3.6k                 | R27  |
| 35   | 1   | SS12F56V4           | ON/OFF               | SW1  |
| 36   | 1   | OSTOQ025450         | Ext Pwr              | TB1  |
| 37   | 1   |                     | 6v PV Panel (-)      | TP1  |
| 38   | 1   |                     | 6v PV Panel (+)      | TP2  |
| 39   | 1   | SMF05CT1GOS         | SMF05C               | TVS1   |
| 40   | 1   | RFM95W              | RFM95W               | U1   |
| 41   | 1   | ATMEGA1284P-AU      | ATMEGA1284P          | U2   |
| 42   | 1   | SIM5320A            | SIM5320A             | U3   |
| 43   | 1   | FT231XS-R           | FT231X               | U4   |
| 44   | 1   | DS3231SN            | DS3231               | U5   |
| 45   | 1   | MCP1700T3302ETT     | MCP1700-3102E/TT     | U6   |
| 46   | 1   | BQ24092DGQ          | BQ24092 - Li Charger | U7   |
| 47   | 1   | BD9G101G            | BD9G101G             | U8   |
| 48   | 1   | ABM3-16.000MHZ-B2-T | 16 MHz               | Y1   |

T012-034 Rev 5  
LoRa/Cellular Gateway  
Assembly Drawing - TOP



T012-034 Rev 5  
LoRa/Cellular Gateway  
Assembly Drawing - BOTTOM

