

| Table 1 | Rill of | Materials | (continued) |
|-----------|---------|-----------|---------------------------|
| I able I. | | water ars | (COIIIIIU C U) |

| bq24350 -001 | bq24352 - 002 | bq24355 - 003 | RefDes | Value | Description | Size | Part Number | MFR |
|-----------------|------------------|------------------|---|------------|---|---------------------|-------------|-----------------------|
| 1 | 1 | 1 | R19 | 51 | Resistor, Chip, 1/16-W, 5% | 603 | Std | Std |
| 4 | 4 | 4 | | | 6-32 NYL nuts | NY HN 632 | H620-ND | Building Fasteners |
| 4 | 4 | 4 | ST1,ST2,S T3,ST4 | 4816 | STANDOFF M/F HEX 6-32 NYL .500" | sf_thvt_325_rn d | 4816 | Keystone |
| 8 | 8 | 8 | TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8 | white | Test Point, White, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5002 | Keystone |
| 1 | 1 | 1 | TP9 | white | Test Point, White, Thru Hole Color Keyed | 0.100 x 0.100 inch | 5001 | Keystone |
| 1 | 0 | 0 | U1 | bq24350DSG | IC, OVER-VOLTAGE AND OVER-CURRENT CHARGER FRONT-END | SON-8 | BQ24350DSG | TI |
| 0 | 1 | 0 | U1 | bq24352DSG | IC, OVER-VOLTAGE AND OVER-CURRENT CHARGER FRONT-END | SON-8 | BQ24352DSG | TI |
| 0 | 0 | 1 | U1 | bq24355DSG | IC, OVER-VOLTAGE AND OVER-CURRENT CHARGER FRONT-END | SON-8 | BQ24355DSG | TI |
| 1 | 1 | 1 | U2 | BQ2057CSN | IC, Charge Management, One or Two Cell Li-lon or Li-Pol Charger | S0-8 | BQ2057CSN | TI |
| 1 | 1 | 1 | | HPA398 | PCB, 2.8 ln x 2.8 ln x 0.062 ln | | РСВ | Any |

- Notes: 1. Number 0 in left side columns means do not use this component.
 - 2. OPEN in value column means do not use this component.
 - 3. Std in part number column means standard manufacturer's part number.
 - 4. Std in MFR column means standard manufacturer.

4.2 Board Layout

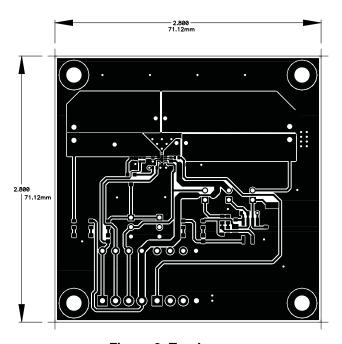


Figure 2. Top Layer



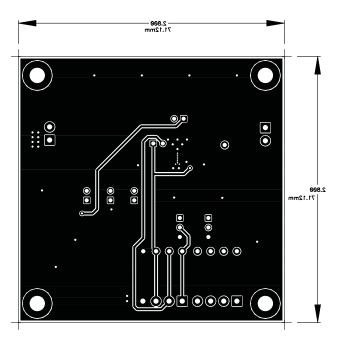


Figure 3. Bottom Layer

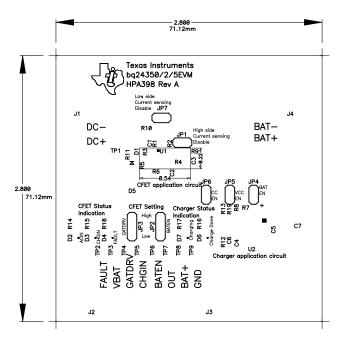


Figure 4. Top Silk Screen



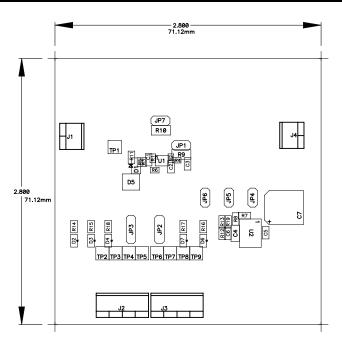


Figure 5. Top Assembly

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