



# THE DATASHEET OF 3012TR

# THRU HOLE (THM) & SURFACE MOUNT (SMT) COIN CELL RETAINERS

- Compatible with all wave and reflow operations
- Solder tails located outside of retainer body which facilitates visual inspection of the solder joints
- Flow-hole solder tail designed for increased joint strength
- Compatible with most vacuum and mechanical pick & place assembly systems

- Matte Tin Plate for lower soldering temperatures ideal where other temperature sensitive components are being used
- Tin-Nickel plated retainers are ideal for lead free, high temperature soldering applications
- All conductive polystyrene carrier tape meets ANSI/EIA-481 standards

## SURFACE MOUNT (SMT)

AVAILABLE ON TAPE AND REEL

- All conductive polystyrene carrier tape meets ANSI/EIA-481 standards

MATERIAL: .010 (.25) Phosphor Bronze

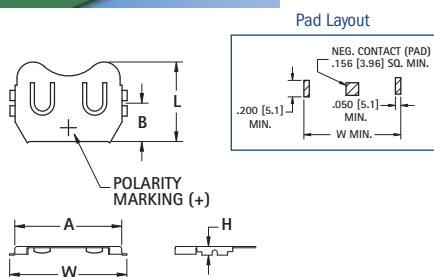
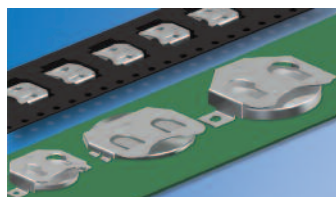


FIG. 1 - Ultra Low

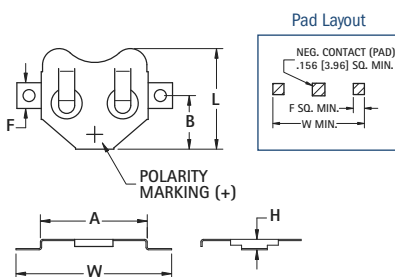


FIG. 2 - Compact

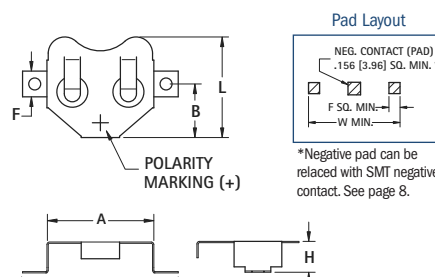


FIG. 3 - Low Profile

| TIN-NICKEL PLATE |                | MATTE TIN PLATE |                | FIG. |              |             |            |            |             |              | CELL DIA. | BATTERY REFERENCE                              | TAPE & REEL SPEC'S               |
|------------------|----------------|-----------------|----------------|------|--------------|-------------|------------|------------|-------------|--------------|-----------|------------------------------------------------|----------------------------------|
| CAT. NO.         | ON TAPE & REEL | CAT. NO.        | ON TAPE & REEL |      |              |             |            |            |             |              |           |                                                |                                  |
| 3000             | 3000TR         | 3080            | 3080TR         | 3    | .520 (13.2)  | .265 (6.7)  | .125 (3.2) | .125 (3.2) | .475 (12.1) | .745 (18.9)  | 12mm      | CR1216, BR1220, DL1225, SR1120, D381, 391, 191 | 32mm wide; 16mm pitch; 1000/reel |
| 3012             | 3012TR         | 3092            | 3092TR         | 3    | .664 (16.9)  | .344 (8.7)  | .125 (3.2) | .156 (4.0) | .594 (15.1) | .914 (23.2)  | 16mm      | BR1612, CR1616, CR1620, DL1632                 | 44mm wide; 24mm pitch; 600/reel  |
| 3028             | 3028TR         | 3038            | 3038TR         | 1    | .831 (21.1)  | .298 (7.6)  | -          | .067 (1.7) | .618 (15.7) | .911 (23.1)  | 20mm      | BR2012, CR2012, DL2012                         | 44mm wide; 24mm pitch; 1000/reel |
| 3026             | 3026TR         | 3078            | 3078TR         | 2    | .831 (21.1)  | .416 (10.6) | .200 (5.1) | .085 (2.2) | .782 (19.9) | 1.210 (30.7) | 20mm      | BR2016, CR2016, DL2016                         | 44mm wide; 24mm pitch; 1000/reel |
| 3034*            | 3034TR*        | 3044            | 3044TR         | 1    | .835 (21.2)  | .291 (7.4)  | -          | .160 (4.1) | .635 (16.1) | 0.915 (23.1) | 20mm      | DL2020, CR2025, CR2032                         | 44mm wide; 24mm pitch; 1000/reel |
| 3002             | 3002TR         | 3082            | 3082TR         | 3    | .831 (21.1)  | .416 (10.6) | .200 (5.1) | .156 (4.0) | .782 (19.9) | 1.210 (30.7) | 20mm      | BR2016, DL2020, CR2025, CR2032                 | 44mm wide; 24mm pitch; 500/reel  |
| 3004             | 3004TR         | 3084            | 3084TR         | 3    | .939 (23.9)  | .475 (12.1) | .200 (5.1) | .156 (4.0) | .832 (21.1) | 1.339 (34.0) | 23mm      | BR2320, DL2325, CR2330, DL2335                 | 56mm wide; 32mm pitch; 400/reel  |
| 3010             | 3010TR         | 3090            | 3090TR         | 3    | .939 (23.9)  | .475 (12.1) | .200 (5.1) | .240 (6.1) | .819 (20.8) | 1.339 (34.0) | 23mm      | CR2354, DL2354                                 | 56mm wide; 32mm pitch; 200/reel  |
| 3032             | 3032TR         | 3042            | 3042TR         | 1    | 1.000 (25.4) | .313 (8.0)  | -          | .067 (1.7) | .681 (17.3) | 1.080 (27.4) | 24mm      | BR2412, CR2412                                 | 44mm wide; 24mm pitch; 1000/reel |
| 3006             | 3006TR         | 3086            | 3086TR         | 2    | 1.000 (25.4) | .506 (12.9) | .200 (5.1) | .156 (4.0) | .918 (23.3) | 1.400 (35.6) | 24mm      | CR2430, DL2430                                 | 56mm wide; 32mm pitch; 400/reel  |
| 3008             | 3008TR         | 3088            | 3088TR         | 3    | 1.000 (25.4) | .506 (12.9) | .200 (5.1) | .230 (5.8) | .890 (22.6) | 1.400 (35.6) | 24mm      | CR2450, DL2450                                 | 56mm wide; 32mm pitch; 200/reel  |

\* Nickel Plate

## THRU HOLE MOUNT (THM)

- Snap-in legs maintain relative position during and after soldering
- Compatible with wave solder applications

MATERIAL: .010 (.25) Phosphor Bronze, Tin-Nickel Plate

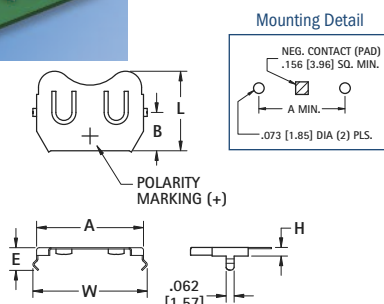
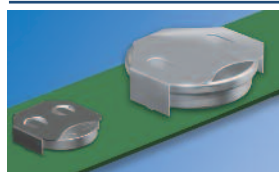


FIG. 4 - Ultra Low

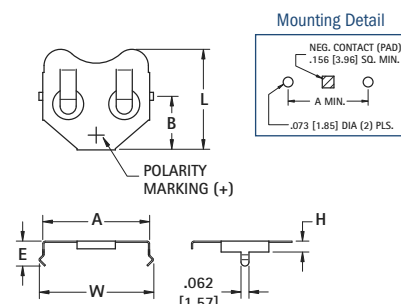


FIG. 5 - Compact

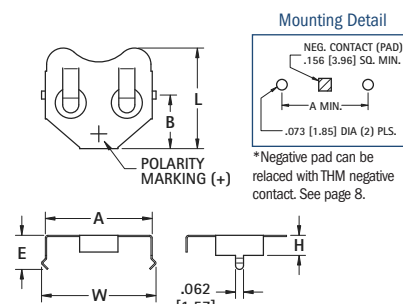


FIG. 6 - Low Profile

| CAT. NO. | FIG. | A            | B           | E           | H          | L           | W            | CELL DIA. | BATTERY REFERENCE                              |
|----------|------|--------------|-------------|-------------|------------|-------------|--------------|-----------|------------------------------------------------|
| 3001     | 6    | .520 (13.2)  | .265 (6.7)  | .210 (5.3)  | .118 (3.0) | .475 (12.1) | .585 (14.9)  | 12mm      | CR1216, BR1220, DL1225, SR1120, D381, 391, 191 |
| 3013     | 6    | .664 (16.9)  | .344 (8.7)  | .265 (6.7)  | .156 (4.0) | .594 (15.1) | .723 (18.4)  | 16mm      | BR1616, CR1612, CR1616, CR1620, CR1632         |
| 3029     | 4    | .831 (21.1)  | .298 (7.6)  | .176 (4.5)  | .067 (1.7) | .618 (15.7) | .890 (22.6)  | 20mm      | BR2012, CR2012, DL2012                         |
| 3027     | 5    | .831 (21.1)  | .416 (10.6) | .194 (4.9)  | .085 (2.2) | .782 (19.9) | .890 (22.6)  | 20mm      | BR2016, CR2016, DL2016                         |
| 3035     | 4    | .835 (21.2)  | .300 (7.6)  | .280 (7.1)  | .170 (4.3) | .600 (15.2) | .880 (22.3)  | 20mm      | DL2020, CR2025, CR2032                         |
| 3003     | 6    | .831 (21.1)  | .416 (10.6) | .265 (6.7)  | .156 (4.0) | .782 (19.9) | .890 (22.6)  | 20mm      | BR2016, DL2020, CR2025, BR2325, CR2032         |
| 3005     | 6    | .939 (23.9)  | .475 (12.1) | .265 (6.7)  | .156 (4.0) | .832 (21.1) | 1.004 (25.5) | 23mm      | BR2320, CR2320, BR2325, CR2325, DL2325, DL2330 |
| 3011     | 6    | .939 (23.9)  | .475 (12.1) | .351 (8.9)  | .240 (6.1) | .819 (20.8) | 1.004 (25.5) | 23mm      | CR2354, DL2354                                 |
| 3007     | 5    | 1.000 (25.4) | .506 (12.9) | .265 (6.7)  | .156 (4.0) | .918 (23.3) | 1.055 (26.8) | 24mm      | CR2430, DL2430                                 |
| 3009     | 6    | 1.000 (25.4) | .505 (12.8) | .350 (8.9)  | .230 (5.8) | .890 (22.6) | 1.059 (26.9) | 24mm      | CR2450, DL2450                                 |
| 3039     | 6    | 1.000 (25.4) | .506 (12.9) | .450 (11.4) | .336 (8.5) | .890 (22.5) | 1.059 (26.9) | 24mm      | CR2477, DL2477                                 |