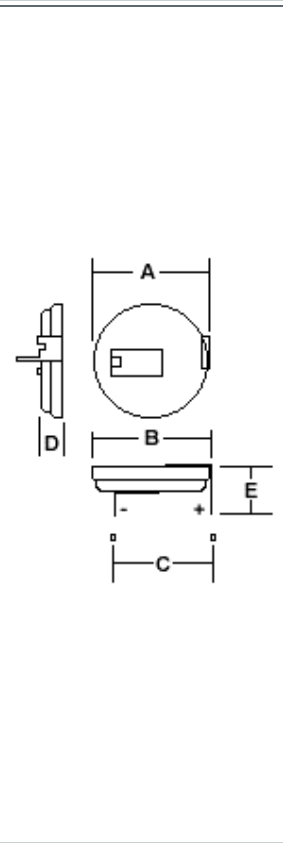


Specifications for RENATA 3V Li/MnO<sub>2</sub> Button Cells for P. C. Board Mounting

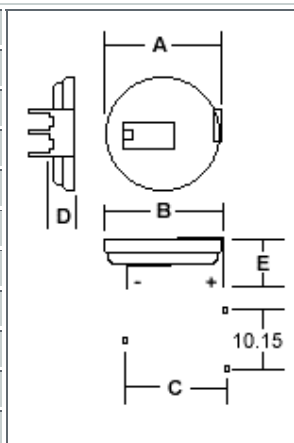
### Two Pin Horizontal

| Model     | Capacity (mAh) | A    | B    | C     | D   | E    | Weight (g) |
|-----------|----------------|------|------|-------|-----|------|------------|
| CR1216FH  | 25             | 12.5 | 12.7 | 11.0  | 2.4 | 6.3  | 1.0        |
| CR1220FH  | 38             | 12.5 | 12.7 | 11.0  | 2.8 | 7.2  | 1.1        |
| CR1225FH  | 48             | 12.5 | 12.7 | 11.0  | 3.3 | 7.2  | 1.1        |
| CR1616FH  | 50             | 16.0 | 16.2 | 12.7  | 2.4 | 6.3  | 1.2        |
| CR1620FH  | 68             | 16.0 | 16.2 | 12.7  | 2.8 | 6.3  | 1.4        |
| CR1632FH  | 125            | 16.0 | 16.2 | 11.0  | 3.9 | 7.8  | 2.0        |
| CR1632FH1 | 125            | 16.0 | 16.2 | 15.2  | 3.9 | 7.8  | 2.0        |
| CR2016FH  | 75             | 20.0 | 20.2 | 15.2  | 2.4 | 6.3  | 2.0        |
| CR2016FH1 | 75             | 20.0 | 20.2 | 20.4  | 2.4 | 6.3  | 2.0        |
| CR2025FH  | 148            | 20.0 | 20.2 | 15.2  | 3.3 | 7.2  | 2.7        |
| CR2025FH1 | 148            | 20.0 | 20.2 | 20.0  | 3.3 | 7.2  | 2.7        |
| CR2032FH  | 200            | 20.0 | 20.2 | 15.2  | 3.9 | 7.8  | 3.2        |
| CR2032FH0 | 200            | 20.0 | 20.2 | 10.35 | 3.9 | 7.8  | 3.2        |
| CR2032FH1 | 200            | 20.0 | 20.2 | 20.4  | 3.9 | 7.8  | 3.2        |
| CR2032FH2 | 200            | 20.0 | 20.2 | 22.5  | 3.9 | 7.8  | 3.2        |
| CR2325FH  | 190            | 23.0 | 23.2 | 20.4  | 3.3 | 7.2  | 3.2        |
| CR2430FH  | 285            | 24.5 | 24.7 | 20.4  | 3.9 | 7.8  | 4.3        |
| CR2430FH1 | 285            | 24.5 | 24.7 | 15.2  | 3.9 | 7.8  | 4.3        |
| CR2450NFH | 540            | 24.5 | 24.7 | 20.4  | 5.8 | 9.7  | 5.8        |
| CR2477NFH | 950            | 24.5 | 24.7 | 20.4  | 8.5 | 12.4 | 8.9        |



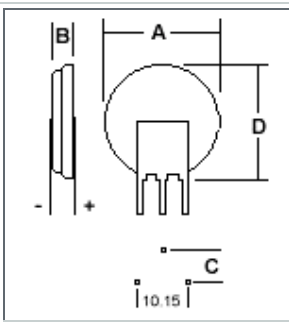
### Three Pin Horizontal

| Model      | Capacity (mAh) | A    | B    | C    | D     | E     | Weight (g) |
|------------|----------------|------|------|------|-------|-------|------------|
| CR2016RH   | 75             | 20.0 | 20.2 | 15.2 | 3.95  | 7.95  | 2.0        |
| CR2025RH   | 148            | 20.0 | 20.2 | 15.2 | 4.85  | 8.85  | 2.8        |
| CR2032RH   | 200            | 20.0 | 20.2 | 15.2 | 5.45  | 9.45  | 3.3        |
| CR2032RH1  | 200            | 20.0 | 20.2 | 17.8 | 5.45  | 9.45  | 3.3        |
| CR2325RH   | 190            | 23.0 | 23.2 | 17.8 | 4.85  | 8.85  | 3.3        |
| CR2430RH   | 285            | 24.5 | 24.7 | 17.8 | 5.45  | 9.45  | 4.4        |
| CR2430RH1  | 285            | 24.5 | 24.7 | 20.4 | 5.45  | 9.45  | 4.4        |
| CR2450NRH  | 540            | 24.5 | 24.7 | 17.8 | 7.35  | 11.35 | 5.9        |
| CR2450NRH1 | 540            | 24.5 | 24.7 | 20.4 | 7.35  | 11.35 | 5.9        |
| CR2477NRH  | 950            | 24.5 | 24.7 | 17.8 | 10.05 | 14.08 | 8.4        |



## Three Pin Vertical

| Model     | Capacity (mAh) | A    | B   | C   | D    | Weight (g) |
|-----------|----------------|------|-----|-----|------|------------|
| CR2025RV  | 148            | 20.0 | 2.5 | 2.8 | 21.0 | 2.8        |
| CR2032RV  | 200            | 20.2 | 3.2 | 3.5 | 21.0 | 3.3        |
| CR2325RV  | 190            | 23.0 | 2.5 | 2.8 | 24.0 | 3.3        |
| CR2430RV  | 285            | 24.5 | 3.0 | 3.3 | 25.5 | 4.4        |
| CR2450NRV | 540            | 24.5 | 5.0 | 5.3 | 25.5 | 5.9        |
| CR2477NRV | 950            | 24.5 | 7.7 | 8.0 | 25.5 | 8.4        |



## Two Pin Vertical

| Model     | Capacity (mAh) | A    | B   | C    | D    | E   | Weight (g) |
|-----------|----------------|------|-----|------|------|-----|------------|
| CR1025FV  | 30             | 10.5 | 2.5 | 5.08 | 11.0 | 2.8 | 1.0        |
| CR1220FV  | 38             | 12.5 | 2.0 | 5.08 | 13.5 | 2.3 | 1.0        |
| CR1225FV  | 48             | 12.5 | 2.5 | 5.08 | 13.5 | 2.8 | 1.1        |
| CR1616FV  | 50             | 16.0 | 1.6 | 5.08 | 17.0 | 1.9 | 1.2        |
| CR1620FV  | 68             | 16.0 | 2.0 | 5.08 | 17.0 | 2.3 | 1.4        |
| CR1632FV  | 125            | 16.0 | 3.2 | 5.08 | 17.0 | 3.5 | 2.0        |
| CR2032FV  | 200            | 20.0 | 3.2 | 10.5 | 21.0 | 3.5 | 3.2        |
| CR2320FV  | 150            | 23.0 | 2.0 | 10.5 | 24.0 | 2.3 | 2.8        |
| CR2325FV  | 190            | 23.0 | 2.5 | 10.5 | 24.0 | 2.8 | 3.3        |
| CR2430FV  | 285            | 24.5 | 3.0 | 10.5 | 25.5 | 3.3 | 4.3        |
| CR2450NFV | 540            | 24.5 | 5.0 | 10.5 | 25.5 | 5.8 | 5.8        |
| CR2477NFV | 950            | 24.5 | 7.7 | 10.5 | 25.5 | 8.0 | 8.9        |

