**THRU-HOLE (THM) & SURFACE MOUNT (SMT) COIN CELL HOLDERS**

**DESIGN ADVANTAGES...**
- Reliable spring tension assures low contact resistance
- Retains battery security to withstand shock and vibration
- Base material UL Rated 94V-0. Impervious to most industrial solvents
- Operating temperature range: -60°F to +293°F (-50°C to +145°C)

**IDEALLY SUITED FOR...**
- Computer memory power transfer and back-up systems
- Video and telecommunications power back-up
- Microprocessors and Microcomputer memory hold (desktop and laptop applications)
- Industrial and commercial security and alarm systems
- PC/104 application

**12mm to 16mm COIN CELL HOLDERS**

**MATERIAL:** Base: High Temperature Nylon 46, UL Rated 94V-0

Contacts: .012 (.30) Phosphor Bronze, Tin Plate

**CAT. NO.** | **CELLS** | **BATTERY REFERENCE**
---|---|---
503 | 1 | DL1/3N, KS1L, CR1/3N
2 | SN44, 357, MS7B, G-13, 303, V313, PX76A

**MATERIAL:** Base: High Temperature Nylon 46, UL Rated 94V-0

Contacts: .012 (.30) Phosphor Bronze, Gold Plate

**CAT. NO.** | **CELLS** | **BATTERY REFERENCE**
---|---|---
498 | 1 | DL1/3N, KS1L, CR1/3N
2 | SN44, 357, MS7B, G-13, 303, V313, PX76A

**MATERIAL:** Base: Glass Filled PPS, UL Rated 94V-0

Contacts: .008 (.20) Phosphor Bronze, Gold Plate

**CAT. NO.** | **CELLS** | **BATTERY REFERENCE**
---|---|---
1056 | 1 | DL1/3N, CR1/3N
1056TR | 1 | CR1612, BR1212

**Send Mail to:** kec@keyelco.com

**Fax (718) 956-9040**

**www.keyelco.com**

RohS Compliant — ISO 9001 Certified

31-07 20th Road — Astoria, NY 11105-2017

Tel (718) 956-8900 • Fax (718) 956-9040 • kec@keyelco.com
### 20mm THRU-HOLE MOUNT COIN CELL HOLDER

- **Design Advantages...**
  - Reliable spring tension assures low contact resistance
  - Retains battery securely to withstand shock and vibration
  - All conductive polystyrene carrier tape meets ANSI/EIA - 481 standard
  - Base material UL Rated 94V-0. Impermeable to most industrial solvents
  - Operating temperature range: -60°F to +293°F (-50°C to +145°C)

- **Ideally Suited For...**
  - Computer memory, power transfer and back-up systems
  - Video and telecommunications power back-up
  - Microprocessors and Microcomputer memory hold (desktop and laptop applications)
  - Industrial and commercial security and alarm systems

- **Material:**
  - **Contacts:** .020 (.50) Spring Steel, Tin-Nickel Plate
  - **Base:** PBT, UL Rated 94V-0

#### Mounting Detail

- Advanced air-flow design enhances air circulation around battery
- Reliable spring tension assures low contact resistance
- Unique notched slots assure quick and easy battery insertion and replacement
- Retains battery securely to withstand shock and vibration

#### Material:

**Contacts:** .020 (.50) Spring Steel, Tin-Nickel Plate

**Base:** PBT, UL Rated 94V-0

#### CAT. NO.  BATTERY REFERENCE  NO. OF CELLS

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>BATTERY REFERENCE</th>
<th>NO. OF CELLS</th>
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<td>1026</td>
<td>DL2020, CR2020, CL2025, BR2025, CR2032, CL2032</td>
<td>(2) 2012, (2) 2016, (2) 2020, (2) 2025, (2) 2032</td>
</tr>
</tbody>
</table>

**20mm RAISED MOUNT COIN CELL HOLDER**

- Designed to maximize PC Board Capacity
- Unique raised mounting design allows components to be placed underneath the holder
- Ideal when board space is more important than board height; such as PC/104 applications

#### Material:

- **Contacts:** .020 (.50) Spring Steel, Tin-Nickel Plate
- **Base:** PBT, UL Rated 94V-0

#### CAT. NO.          | BATTERY REFERENCE  | NO. OF CELLS |
<table>
<thead>
<tr>
<th></th>
<th></th>
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<tbody>
<tr>
<td>101</td>
<td>BR2012, CR2016, CL2020, CR2032</td>
<td>(1) cell (any 20mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(2) 2012, (2) 2016</td>
</tr>
</tbody>
</table>

**20mm SURFACE MOUNT COIN CELL HOLDER**

- Polarity clearly marked (+)
- Compatible with vacuum and mechanical pick & place assembly systems
- SMT solder tail with "row-Hole" design for increased joint strength
- Viewable solder tails assures reliable joint inspection
- Safe for all soldering & reflow operations

#### Material:

- **Contacts:** .015 (.38) Steel
- **Base:** High Temperature, Nylon 46, UL Rated 94V-0

#### Tape & Reel Spec's:

- 44mm wide; 32mm pitch; 13 inch reel (200 pieces per reel)
- POLARITY CLEARLY MARKED (+)
- COMPATIBLE WITH VACUUM AND MECHANICAL PICK & PLACE ASSEMBLY SYSTEMS
- SMT solder tail with "ROW-HOLE" design for increased joint strength
- VIEWABLE SOLDER TAILS ASSURES RELIABLE JOINT INSPECTION
- SAFE FOR ALL SOLDERING & REFLOW OPERATIONS

#### Available on Tape and Reel

- **Tin-Nickel Plate** | **Gold Plate (Flash)** |
  - 1061 | 1061TR 1081 1061TR |
  - 1063 | 1063TR 1083 1063TR |
  - 1062 | 1062TR 1082 1062TR |
  - 1064 | 1064TR 1084 1064TR |

- **Tape & Reel Spec's:** 44mm wide; 32mm pitch; 13 inch reel (200 pieces per reel)
THRU-HOLE (THM) & SURFACE MOUNT (SMT) VIBRA-FIT HOLDERS

### 20mm COIN CELL HOLDERS

**Tape & Reel Spec's:**
- 44mm wide; 20mm pitch; 13 inch reel (500 pieces per reel)

**Material:**
- **Contacts:** .006 (.15) Phosphor Bronze, Gold Plate (Flash)
- **Base:** Glass Filled LCP, UL Rated 94V-0

**Mounting Detail**
- Tin plated contacts compatible with wave solder and manual soldering process

**Surface Mount (SMT) Auto-In Holders**

**CAT. NO.**
- **1060**
- **1058**

**BATTERY REFERENCE**
- **1060TR**
- **1058TR**

**Dimensions:**
- **1.060 [26.9]**
- **.325 [8.2]**
- **.280 [7.0]**

**Features:**
- Designed for applications where the battery will be automatically inserted via a vacuum or mechanical pick-and-place device
- Viewable solder tails allow for easy solder joint inspection
- Gold plated contacts assure low contact resistance
- Ideal for retaining cells securely under shock and vibration
- Compatible with most vacuum and mechanical pick-and-place assembly systems

**Surface Mount**

**CAT. NO.**
- **1056**
- **1047**

**BATTERY REFERENCE**
- **1056TR**
- **1047TR**

**Dimensions:**
- **1.128 [28.6]**
- **.200 [5.1]**
- **.138 [3.5]**

**Features:**
- Designed for applications where the battery will be automatically inserted via a vacuum or mechanical pick-and-place device
- All conductive polystyrene carrier tape meets ANSI/EIA-481 standards
- Viewable solder tails allow for easy solder joint inspection
- Ideal for retaining cells securely under shock and vibration
- Compatible with most vacuum and mechanical pick-and-place assembly systems

**Surface Mount (SMT) Auto-In Holders**

**2025 / 2032 Thru Hole Mount Holder**

**Material:**
- **Contacts:** .006 (.15) Phosphor Bronze, Tin Plate
- **Base:** Glass Filled LCP, UL Rated 94V-0

**Dimensions:**
- **1.256 [31.9]**
- **.325 [8.2]**
- **.280 [7.0]**

**Features:**
- Extremely rugged, holds battery securely under shock and vibration applications.
- Polarity clearly marked
- Safe for all soldering and reflow operations
- Designed for manual insertion of battery
- Glass Filled LCP base material, UL Rated 94V-0
- Impervious to most industrial solvents
- Operating Temperature Range: -60°F to 293°F (-50°C to 146°C)

**Availability:**
- Available on tape and reel

**2025 / 2032 Surface Mount Holder**

**Material:**
- **Contacts:** .006 (.15) Phosphor Bronze, Gold Plate (Flash)
- **Base:** Glass Filled LCP, UL Rated 94V-0

**Dimensions:**
- **1.154 [29.3]**
- **.142 [3.6]**

**Features:**
- Designed for applications where the battery will be automatically inserted via a vacuum or mechanical pick-and-place device
- All conductive polystyrene carrier tape meets ANSI/EIA-481 standards
- Viewable solder tails allow for easy solder joint inspection
- Gold plated contacts assure low contact resistance
- Ideal for retaining cells securely under shock and vibration
- Compatible with most vacuum and mechanical pick-and-place assembly systems

**2032 Low Profile Holder**

**Material:**
- **Contacts:** .009 (.23) Phosphor Bronze, Gold Plate (Flash)
- **Base:** Glass Filled LCP, UL Rated 94V-0

**Dimensions:**
- **1.060 [26.9]**
- **.880 [22.4]**

**Features:**
- Ideal when circuit board height is a critical design parameter
- Rises only 2mm above the PCB surface by mounting the holder thru a hole in the PCB, allowing the holder to sit through the PCB
- Built-in stabilization tabs add mounting security

**2032 Ultra Low Profile Holder**

**Material:**
- **Contacts:** .009 (.23) Phosphor Bronze, Gold Plate (Flash)
- **Base:** Glass Filled LCP, UL Rated 94V-0

**Dimensions:**
- **1.128 [28.6]**

**Features:**
- Ideal when circuit board height is a critical design parameter
- Rises only 2mm above the PCB surface by mounting the holder thru a hole in the PCB, allowing the holder to sit through the PCB
- Built-in stabilization tabs add mounting security

**2032 Ultra Low Profile Holder**

**Material:**
- **Contacts:** .009 (.23) Phosphor Bronze, Gold Plate (Flash)
- **Base:** Glass Filled LCP, UL Rated 94V-0

**Dimensions:**
- **1.128 [28.6]**

**Features:**
- Ideal when circuit board height is a critical design parameter
- Rises only 2mm above the PCB surface by mounting the holder thru a hole in the PCB, allowing the holder to sit through the PCB
- Built-in stabilization tabs add mounting security

**Surface Mount (SMT) Auto-In Holders**

**2032 Low Profile Holder**

**Material:**
- **Contacts:** .006 (.15) Phosphor Bronze, Gold Plate (Flash)
- **Base:** Glass Filled LCP, UL Rated 94V-0

**Dimensions:**
- **1.128 [28.6]**

**Features:**
- Designed for applications where the battery will be automatically inserted via a vacuum or mechanical pick-and-place device
- All conductive polystyrene carrier tape meets ANSI/EIA-481 standards
- Viewable solder tails allow for easy solder joint inspection
- Gold plated contacts assure low contact resistance
- Ideal for retaining cells securely under shock and vibration
- Compatible with most vacuum and mechanical pick-and-place assembly systems

**2032 Ultra Low Profile Holder**

**Material:**
- **Contacts:** .009 (.23) Phosphor Bronze, Gold Plate (Flash)
- **Base:** Glass Filled LCP, UL Rated 94V-0

**Dimensions:**
- **1.128 [28.6]**

**Features:**
- Ideal when circuit board height is a critical design parameter
- Rises only 2mm above the PCB surface by mounting the holder thru a hole in the PCB, allowing the holder to sit through the PCB
- Built-in stabilization tabs add mounting security
**THRU-HOLE (THM) & SURFACE MOUNT (SMT) 20mm EZ-OUT HOLDERS**

- Designed for manual insertion of battery.
- Mounts securely for wave soldering

**MATERIAL:**
- Contacts: .016 (.40) Phosphor Bronze, Tin Plate
- Base: Nylon UL Rated 94V-0

**CAT. NO.** 1066
**BATTERY REFERENCE** BR2025, CR2032

**THRU-HOLE EZ-OUT COIN CELL HOLDER**

**SMT AUTO-IN/EZ-OUT COIN CELL HOLDER**

- Designed for automatic vertical insertion of battery via a vacuum or mechanical pick-and-place device
- Mounts securely for wave soldering
- Retains cells securely, withstands shock and vibration
- Polarity clearly marked

**MATERIAL:**
- Contacts: .016 (.40) Spring Steel, Tin-Nickel Plate
- Base: PBT, UL Rated 94V-0

**CAT. NO.** 1070
**BATTERY REFERENCE** CR2016, DL2020, CL2025, CR2032

**Tape & Reel Spec's:**
- 44mm Wide, 24mm Pitch, 13 inch reel (400 pieces per reel)

**CAT. NO. ON TAPE & REEL** BULK & REEL
**BATTERY REFERENCE** 1070 TR

- Top loading for compact applications
- Finger pressure against leaver will release battery
- No tools required
- Holds battery securely under shock and vibration applications
- Nylon base material UL Rated 94V-0, impervious to most industrial solvents
- Operating Temperature Range: -60°F to 293°F (-50°C to 146°C)

**MOUNTING DETAIL**

**Mounting Detail**

- Molded notch prevents improper insertion of 2032 size cells

**Polarized holder, protects circuit from improper insertion of cells.**

- Operates at -60°F to 293°F (-50°C to 146°C)

**CAT. NO.** 1067
**BATTERY REFERENCE** CR2016, DL2020, CL2025, CR2032

**THRU-HOLE MOUNT (THM) VERTICAL COIN CELL HOLDERS**

- Accepts all manufactures of 20mm coin cell batteries
- Mounts securely for wave soldering
- Polarity clearly marked

**MATERIAL:**
- Contacts: .016 (.40) Spring Steel, Tin-Nickel Plate
- Base: PBT, UL Rated 94V-0

**CAT. NO.** 1069
**BATTERY REFERENCE** CR2016, DL2020, CL2025, CR2032

- Top loading for compact applications
- Finger pressure against leaver will release battery
- No tools required
- Holds battery securely under shock and vibration applications
- Nylon base material UL Rated 94V-0, impervious to most industrial solvents
- Operating Temperature Range: -60°F to 293°F (-50°C to 146°C)

**MOUNTING DETAIL**

**Mounting Detail**

- Top loading for compact applications
- Finger pressure against leaver will release battery
- No tools required
- Holds battery securely under shock and vibration applications
- Nylon base material UL Rated 94V-0, impervious to most industrial solvents
- Operating Temperature Range: -60°F to 293°F (-50°C to 146°C)
**THRU-HOLE (THM) & SURFACE MOUNT (SMT) COIN CELL HOLDERS**

### 23mm SMT Coin Cell Holders

- **Material:**
  - **Contacts:** .020 (.50) Steel, Tin-Nickel Plate
  - **Base:** PBT, UL Rated 94V-0

- **Operating Temperature:** -60°F to +293°F (-50°C to +145°C)

- **Battery Reference:**
  - **BATTERY REFERENCE**
  - **CAT. NO.**
  - **BATTERY REFERENCE**
  - **L**
  - **D**
  - **H**
  - **C**

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>L</th>
<th>H</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>104</td>
<td>.335 (8.5)</td>
<td>1.150 (29.2)</td>
<td>.005 (0.13)</td>
</tr>
<tr>
<td>107</td>
<td>.335 (8.5)</td>
<td>1.105 (28.1)</td>
<td>.005 (0.13)</td>
</tr>
<tr>
<td>1027</td>
<td>.452 (11.5)</td>
<td>1.219 (31.0)</td>
<td>.005 (0.13)</td>
</tr>
</tbody>
</table>

### 24mm SMT Coin Cell Holders

- **Material:**
  - **Contacts:** .020 (.50) Steel, Tin-Nickel Plate
  - **Base:** PBT, UL Rated 94V-0

- **Operating Temperature:** -60°F to +293°F (-50°C to +145°C)

- **Battery Reference:**
  - **BATTERY REFERENCE**
  - **CAT. NO.**
  - **L**
  - **H**
  - **C**

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>L</th>
<th>H</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td>.064 (1.6)</td>
<td>.335 (8.5)</td>
<td>.805 (20.5)</td>
</tr>
<tr>
<td>1025</td>
<td>.074 (1.9)</td>
<td>.452 (11.5)</td>
<td>.805 (20.5)</td>
</tr>
<tr>
<td>1025-7</td>
<td>.074 (1.9)</td>
<td>.063 (12.8)</td>
<td>.805 (20.5)</td>
</tr>
</tbody>
</table>

### 24mm Top Loading

- **Material:**
  - **Contacts:** .020 (.50) Phosphor Bronze, Nickel Plate
  - **Base:** High Temp Nylon 46, UL Rated 94V-0

- **Operating Temperature:** -60°F to +293°F (-50°C to +145°C)

- **Battery Reference:**
  - **BATTERY REFERENCE**
  - **CAT. NO.**
  - **L**
  - **C**

<table>
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<tr>
<th>CAT. NO.</th>
<th>L</th>
<th>C</th>
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</thead>
<tbody>
<tr>
<td>1052</td>
<td>.788 (20.0)</td>
<td>.048 (1.2)</td>
</tr>
<tr>
<td>1052TR</td>
<td>.788 (20.0)</td>
<td>.048 (1.2)</td>
</tr>
</tbody>
</table>

### 30mm Coin Cell Holders

- **Material:**
  - **Contacts:** .020 (.50) Steel, Tin-Nickel Plate
  - **Base:** PBT, UL Rated 94V-0

- **Operating Temperature:** -60°F to +293°F (-50°C to +145°C)

- **Battery Reference:**
  - **BATTERY REFERENCE**
  - **CAT. NO.**
  - **L**
  - **C**

<table>
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<tr>
<th>CAT. NO.</th>
<th>L</th>
<th>C</th>
</tr>
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<tbody>
<tr>
<td>581</td>
<td>.005 (0.13)</td>
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</tr>
<tr>
<td>BR3032</td>
<td>.005 (0.13)</td>
<td>.005 (0.13)</td>
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**THRU HOLE (THM) & SURFACE MOUNT (SMT) BUTTON CELL RETAINERS**

Economical and reliable THM and SMT coin cell retainers specifically designed for miniature electronic applications with limited board space.

- Available in Thru Hole Mount (THM) or Surface Mount (SMT) configurations
- SMT solder tail with “flow-hole” design for increased joint strength
- THM legs maintain relative position during and after soldering
- Ideally suited for High Density packaging
- Reliable spring tension assures low contact resistance
- Retains battery securely to withstand shock and vibration
- Solder tail located outside of retainer body which facilitates visual inspection of the solder joints

**Material:**
- .010 (.25) Phosphor Bronze
- .006 (.15) Phosphor Bronze, Tin-Nickel Plate
- .010 (.25) Phosphor Bronze, Tin-Nickel Plate

**Tape & Reel Spec’s:**
- Gold Plate (Flash)
- Matte Tin
- Tin-Nickel

**Battery Reference**
- CAT. NO. ON TAPE & REEL: 2994, 2996TR
  - Size 13, DA13, AZ13E, PX76A, G-13, 303, V313
  - THRU HOLE (THM) & SURFACE MOUNT (SMT) configurations
  - 24mm wide; 12mm pitch; 13 inch reel (1500 pieces per reel)

**Battery Reference**
- CAT. NO. ON TAPE & REEL: 2995 ML414
  - Size 13, DA13, AZ13E, PX76A, G-13, 303, V313
  - THRU HOLE (THM) & SURFACE MOUNT (SMT) configurations
  - 24mm wide; 12mm pitch; 13 inch reel (1000 pieces per reel)

**Battery Reference**
- CAT. NO. ON TAPE & REEL: 2997 ML414
  - Size 13, DA13, AZ13E, PX76A, G-13, 303, V313
  - THRU HOLE (THM) & SURFACE MOUNT (SMT) configurations
  - 24mm wide; 12mm pitch; 13 inch reel (800 pieces per reel)

**Contact Dimensions**
- AS SHOWN
- STAMP (+)

**Liner**
- 4.8 mm
- 6.8 mm
- 7.9 mm
- 9 - 10 mm
- 11.6 mm

**Contact Detail**
- Available on Tape & Reel

**Contact Dimensions**
- .052 [1.3] DIA.
- .315 [8.0]
- .336 [8.6]
- .339 [8.6]
- .418 [10.6]
- .526 [13.4]
- .634 [16.1]

**Liner**
- .060 [1.5]
- .120 [3.0]
- .195 [5.0]
- .200 [5.1]
- .202 [5.1]
- .225 [5.7]
- .249 [6.3]

**Solder**
- 24mm wide; 12mm pitch; 13 inch reel (1500 pieces per reel)

**Battery Reference**
- CAT. NO. ON TAPE & REEL: 2994, 2996TR
  - Size 13, DA13, AZ13E, 393, SR754, SR48

**Battery Reference**
- CAT. NO. ON TAPE & REEL: 2995 ML414
  - Size 13, DA13, AZ13E, 393, SR754, SR48

**Battery Reference**
- CAT. NO. ON TAPE & REEL: 2997 ML414
  - Size 13, DA13, AZ13E, 393, SR754, SR48

**Battery Reference**
- CAT. NO. ON TAPE & REEL: 2999 MC621, V364, SC621, DR13H, DR77, V13AT, 377

**Battery Reference**
- CAT. NO. ON TAPE & REEL: 2998 2998TR
  - Size 13, DA13, AZ13E, 393, SR754, SR48

**Battery Reference**
- CAT. NO. ON TAPE & REEL: 2999 MC621, V364, SC621, DR13H, DR77, V13AT, 377

**Battery Reference**
- CAT. NO. ON TAPE & REEL: 2999 ML414
  - Size 13, DA13, AZ13E, 393, SR754, SR48

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(800) 221-5510 kec@keyelco.com
www.keyelco.com
31-07 20th Road – Astoria, NY 11105-2017
RoHS Compliant - ISO 9001 Certified
**SURFACE MOUNT (SMT) COIN CELL ENCLOSURE CONTACTS**

- Contacts for Enclosure cases with self contained battery compartments
- Design facilitates easy battery access, removal & installation
- Suitable for industrial and consumer product applications
- Spring contacts adjust to variations in battery diameter for a dependable connection
- Positive and Negative contacts can be used as a design pair or individually on a PCB
- Accommodates cell diameters from 16mm to 30mm

**Material:** .006 (.15) Stainless steel, Gold plate (flash)

**THRU-HOLE (THM) & SURFACE MOUNT (SMT) NEGATIVE BATTERY CONTACTS**

**TIN-NICKEL PLATE MATTE TIN PLATE**

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>ON TAPE &amp; REEL</th>
<th>TAPE &amp; REEL SPECS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2991-2</td>
<td>2991TR</td>
<td>16mm wide, 8mm pitch, 13 inch reel: 2000 pieces per reel</td>
</tr>
<tr>
<td>2992-2</td>
<td>2992TR</td>
<td>16mm wide, 12mm pitch, 13 inch reel: 3000 pieces per reel</td>
</tr>
<tr>
<td>2993-2</td>
<td>2993TR</td>
<td>24mm wide, 16mm pitch, 13 inch reel: 5000 pieces per reel</td>
</tr>
</tbody>
</table>

**Surface Mount**

- Ideal for 6 volt or 3 volt applications
- Two coin cell batteries can be installed in series
- Plastic insulator prevents shorting of battery, within the holder, when installed improperly

**Material:** .010 (.25) Phosphor Bronze Insulator: High Temperature, Nylon 46, UL Rated 94V-0

**THRU-HOLE (THM) & SURFACE MOUNT (SMT) INSULATED RETAINERS**

**TIN-NICKEL PLATE MATTE TIN PLATE**

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>ON TAPE &amp; REEL</th>
<th>TAPE &amp; REEL SPECS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3020-2</td>
<td>3020TR</td>
<td>6 VOLT (2) CELLS: 1600 pieces per reel</td>
</tr>
<tr>
<td>3022-2</td>
<td>3022TR</td>
<td>3 VOLT (1) CELL: 1500 pieces per reel</td>
</tr>
</tbody>
</table>

**Surface Mount**

- Low profile
- Battery release ports for easy battery replacement
- Refer to pages 7 & 9 for a complete offering of coin cell retainers

**Material:** .006 (.25) Phosphor Bronze, Tin-Nickel Plate

**Available on Tape and Reel**

- Tape & Reel: 24mm wide, 8mm pitch, 13 inch reel
- 5000 pieces per reel

**Contact Notes**

- Cannot be used with Cat. No. 3028, 3029, 3032, 3038, 3042, 3026, 3078.
- *Note: Supplied Unassembled

**Contact Dimensions**

- Posititve and Negative contacts can be used as a design pair or individually on a PCB

**Contact Adjustability**

- Contacts adjust to variations in battery diameter for a dependable connection

**Suitable for Applications**

- Suitable for industrial and consumer product applications

**ISO 9001 Certified**

- RoHS Compliant — ISO 9001 Certified

www.keyelco.com

Tel (718) 956-8900 • Fax (718) 956-9040
(800) 221-5510 • kec@keyelco.com

31-07 20th Rd - Atony, NY 11105-2017
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/ESA-481 standards

**SURFACE MOUNT (SMT)**

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

**MATERIAL:** 010 (.25) Phosphor Bronze

**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

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**TABLES:**

**TIN-NICKEL PLATE**

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

**BULK & REEL**

**BATTERY REFERENCE**

**TAPE & REEL SPECS**

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**DIAGRAMS:**

**FIG. 1 - Ultra Low**

**FIG. 2 - Compact**

**FIG. 3 - Low Profile**

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**FIG. 4 - Ultra Low**

**FIG. 5 - Compact**

**FIG. 6 - Low Profile**

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**MARKING (+):** Available on tape and reel

**MARKING (-):** Negative pad can be reflowed with SMT negative contact. See page 6.

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**MARKING (+):** Negative pad can be replaced with SMT negative contact. See page 6.

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**MARKING (+):** Negative pad can be replaced with SMT negative contact. See page 6.

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**MARKING (+):** Negative pad can be replaced with SMT negative contact. See page 6.

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**MARKING (+):** Negative pad can be replaced with SMT negative contact. See page 6.

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**MARKING (+):** Negative pad can be replaced with SMT negative contact. See page 6.