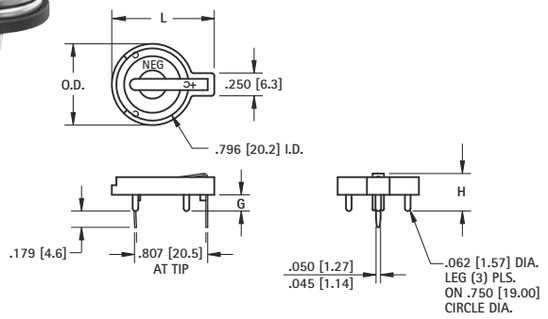
20mm THRU-HOLE MOUNT COIN CELL HOLDERS

- 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
- PBT base material UL rated 94V-0. Impervious to most industrial solvents
- Operating temperature range: -60°F to +293°F (-50°C to +145°C)

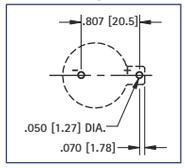
MATERIAL:
Contacts: .020 (.50) Spring Steel, Tin-Nickel Plate
Base: PBT, UL Rated 94V-0



- **Cat. No. 101** is 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 applicatons

CAT. NO.	G	H	L	O.D.	NO. OF CELLS	BATTERY REFERENCE
103	.100 (2.5)	.335 (8.5)	1.130 (28.7)	.896 (22.8)	(1) cell (any 20mm) (2) 2012, (2) 2016	BR2012,CR2012, CR2016, CL2016, DL2020, CL2025, BR2025, CR2032, CL2032
101	.179 (4.6)	.414 (10.5)	1.130 (28.7)	.896 (22.8)	(1) cell (any 20mm) (2) 2012, (2) 2016	BR2012,CR2012, CR2016, CL2016, DL2020, CL2025, BR2025, CR2032, CL2032
106	.100 (2.5)	.335 (8.5)	1.219 (31.0)	1.093 (27.8)	(1) cell (any 20mm) (2) 2012, (2) 2016	BR2012,CR2012, CR2016, CL2016, DL2020, CL2025, BR2025, CR2032, CL2032
1026	.100 (2.5)	.452 (11.5)	1.219 (31.0)	1.093 (27.8)	(2) 2020, (2) 2025, (2) 2032	DL2020, CR2020, CL2025, BR2025, CR2032, CL2032

Mounting Detail

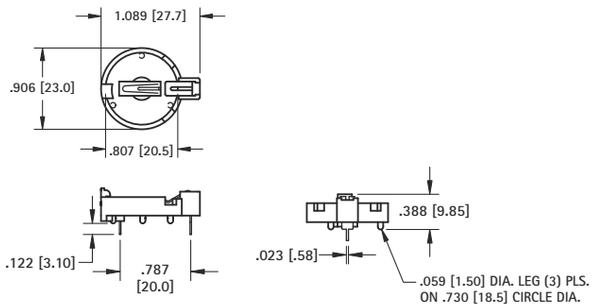


TOP LOADING

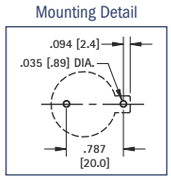
- Battery "Pop-in"from top for compact applications
- Finger pressure against leaver will release battery
- No tools required for battery changes

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

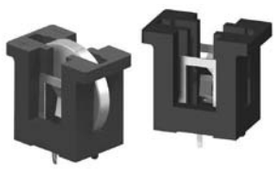
CAT. NO.	BATTERY REFERENCE
1066	BR2025, CR2032



Mounting Detail



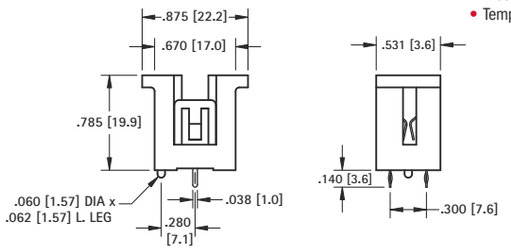
VERTICAL COMPACT



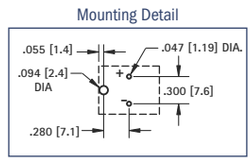
- Accepts all major manufacturers' 20mm diameter batteries
- Molded notch prevents improper insertion of 2032 size cells
- Retains cells securely, withstands shock and vibration
- Polarity clearly marked
- Mounts securely for wave soldering
- Temperature range: -60°F to +293°F (-50°Cto+145°C)

MATERIAL:
Contacts: .012 (.30) Spring Steel, Tin-Nickel Plate
Base: PBT, UL Rated 94V-0

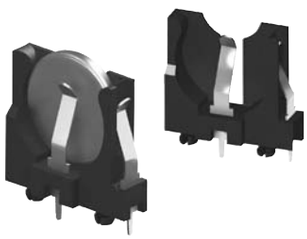
CAT. NO.	BATTERY REFERENCE
1067	CR2016, DL2020, CL2025, CR2032



Mounting Detail



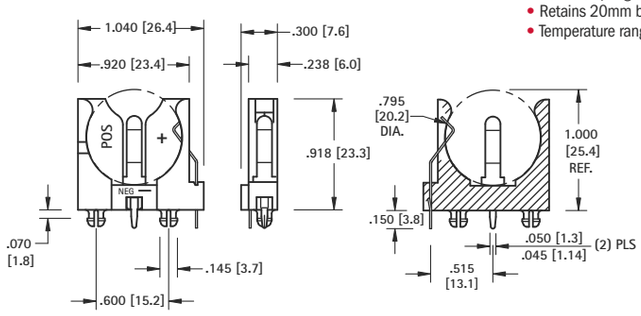
VERTICAL SLIMLINE



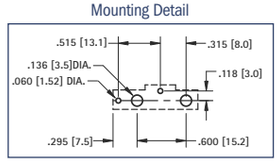
- Polarized holder
- Mounts securely for wave soldering
- Reliable spring tension assures low contact resistance
- Retains 20mm batteries securely to withstand shock and vibration
- Temperature range -60°F to +293°F (-50°C to +145°C)

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

CAT. NO.	BATTERY REFERENCE
1065	BR2012, CR2016, DL2020, CL2025, CR2032



Mounting Detail



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

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. Impervious to most industrial solvents
- Operating temperature range: -60°F to +293°F (-50°C to +145°C)

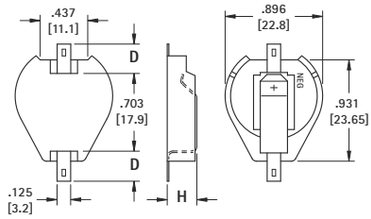
IDEALLY SUITED FOR...

- 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
- Communications power sources
- PC/104 applications

20mm CELLS

- Polarity clearly marked (+)
- Compatible with vacuum and mechanical pick & place assembly systems
- Low profile for high density packaging
- Rugged construction, light weight
- SMT solder tail with "Flow-Hole" design for increased joint strength
- Viewable solder tails assures reliable joint inspection
- Safe for all soldering & reflow operations

AVAILABLE ON TAPE AND REEL

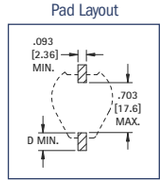


MATERIAL:
Contacts: .015 (.38) Steel
Base: High Temperature, Nylon 46, UL Rated 94V-0

Tin-Nickel Plate		Gold Plate (Flash)					
CAT. NO. BULK	ON TAPE & REEL	CAT. NO. BULK	ON TAPE & REEL	D PAD SIZE	H HIEGHT	CELLS	BATTERY REFERENCE
1061	1061TR	1081	1081TR	.156 (4.0)	.290 (7.4)	(1) Cell (any 20mm) (2) 2012, (2) 2016	CR2012, CL2016, BR2020, DL2032 CR2032
1063	1063TR	1093	1093TR	.278 (7.1)			
1062	1062TR	1082	1082TR	.156 (4.0)	.391 (9.9)	(2) 2020, (2) 2025, (2) 2032 (3) 2012, (3) 2016	
1064	1064TR	1094	1094TR	.278 (7.1)			

Tape & Reel Spec's: 44mm wide; 32mm pitch; 13 inch reel (200 pieces per reel)

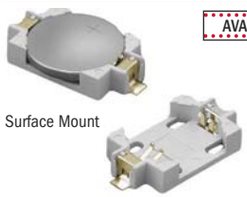
Pad Layout



AVAILABLE ON TAPE AND REEL

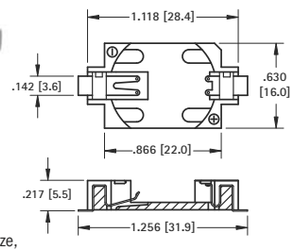
2025 / 2032 CELL

- Polarized Holders
- Low Profile for high density packaged PCB's
- Vertical entry

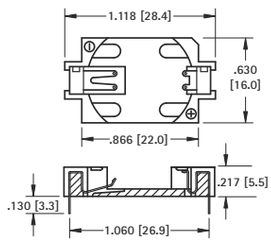


Surface Mount

- Compatible with vacuum and mechanical pick & place assembly systems



Thru Hole Mount

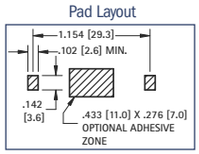


MATERIAL:
Contacts: .006 (.15) Phosphor Bronze, Gold Plate (Flash)
Base: Glass Filled LCP, UL Rated 94V-0

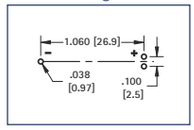
CAT. NO. BULK	ON TAPE & REEL	BATTERY REFERENCE
1060	1060TR	CR2025, DL2032

Tape & Reel Spec's: 44mm wide; 24mm pitch; 13 inch reel (500 pieces per reel)

Pad Layout



Mounting Detail



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

CAT. NO.	BATTERY REFERENCE
1059	CR2025, DL2032

INSULATED RETAINERS

AVAILABLE ON TAPE AND REEL

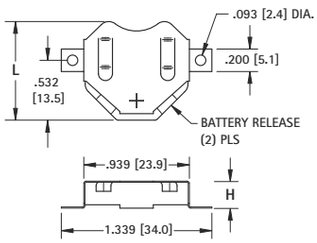
20mm CELLS

- 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
- Low profile
- Battery release ports for easy battery replacement
- Refer to pages 6 & 7 for a complete offering of coin cell retainers

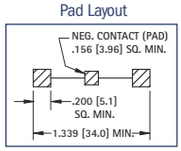
MATERIAL: **Contacts:** .010 (.25) Phosphor Bronze **Insulator:** High Temperature, Nylon 46, UL Rated 94V-0

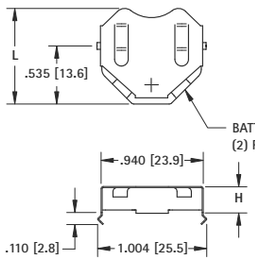
Thru Hole Mount

Surface Mount

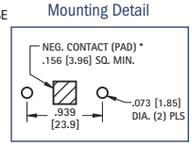


Pad Layout





Mounting Detail



Surface Mount										Thru Hole Mount	
Tin-Nickel Plate			Matte Tin Plate					BATTERY REFERENCE		Tin-Nickel Plate	
CAT. NO. LOOSE*	CAT. NO. BULK	ON TAPE & REEL	CAT. NO. LOOSE*	CAT. NO. BULK	ON TAPE & REEL	L	H	6 VOLT (2) CELLS	3 VOLT (1) CELL	L	H	CAT. NO. LOOSE*	CAT. NO. BULK
3020-2	3020	3020TR	3070-2	3070	3070TR	.890 (22.6)	.156 (4.0)	2012, 2016	2020, 2025	.890 (22.6)	.156 (4.0)	3021-2	3021
3022-2	3022	3022TR	3072-2	3072	3072TR	.877 (22.3)	.240 (6.1)	2020, 2025	2032	.877 (22.3)	.240 (6.1)	3023-2	3023
3024-2	3024	3024TR	3074-2	3074	3074TR	.877 (22.3)	.295 (7.5)	2032	Not Applicable	.877 (22.3)	.295 (7.5)	3025-2	3025

* Supplied Unassembled

Tape & Reel Spec's: 56mm wide; 28mm pitch; 13 inch reel: **3020TR, 3070TR** 400 pieces per reel; **3022TR, 3072TR** 250 pieces per reel; **3024TR, 3074TR** 250 pieces per reel

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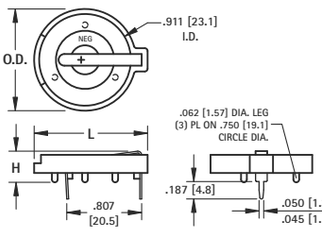
THRU-HOLE (THM) & SURFACE MOUNT (SMT) COIN CELL HOLDERS

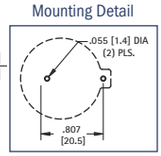
23mm

Thru Hole Mount



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

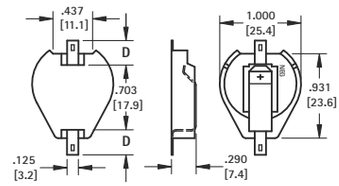
Mounting Detail



MATERIAL:
Contacts: .020 (.50) Spring Steel, Tin-Nickel Plate
Base: PBT, UL Rated 94V-0
Operating Temperature: -60°F to +293°F (-50°C to +145°C)

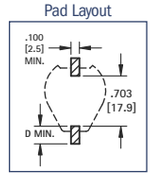
CAT. NO.	H	L	O.D.	NO. OF CELLS	BATTERY REFERENCE
104	.335 (8.5)	1.150 (29.2)	1.000 (25.4)	(1) Cell (Any 23mm)	BR2320, CR2320, CL2325, DL2330, CL2354, CR2335
107	.335 (8.5)	1.219 (31.0)	1.093 (27.8)	(1) Cell (Any 23mm)	
1027	.452 (11.5)	1.219 (31.0)	1.093 (27.8)	(1) 2354 (2) 2320, (2) 2325, (2) 2330	

AVAILABLE ON TAPE AND REEL



Surface Mount

Pad Layout



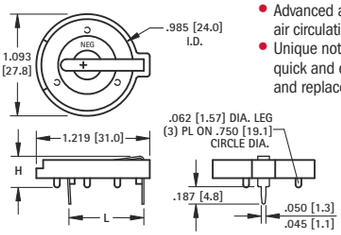
MATERIAL:
Contacts: .015 (.38) Steel
Base: High Temp Nylon 46, UL Rated 94V-0
Operating Temperature: -60°F to +293°F (-50°C to +145°C)

Tin-Nickel Plate		Gold Plate (Flash)			
CAT. NO. BULK	ON TAPE & REEL	CAT. NO. BULK	ON TAPE & REEL	D PAD SIZE	BATTERY REFERENCE
1071	1071TR	1091	1091TR	.156 (4.0)	CR2320, CL2325,
1073	1073TR	1083	1083TR	.278 (7.1)	DL2330, CR2335

Tape & Reel Spec's: 44mm wide; 32mm pitch; 13 inch reel, (200 pieces per reel)
Note: All conductive polystyrene carrier tape meets ANSI/EIA - 481 standard

24mm

Thru Hole Mount

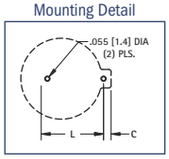


- Advanced air-flow design enhances air circulation around battery
- Unique notched slots assure quick and easy battery insertion and replacement

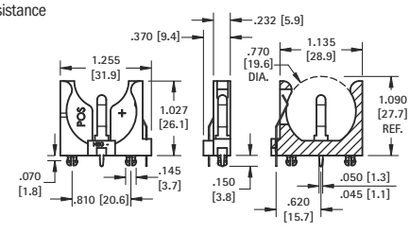
MATERIAL:
Base: PBT, UL Rated 94V-0
Contacts: .020 (.50) Spring Steel, Tin-Nickel Plate
Operating Temperature: -60°F to +293°F (-50°C to +145°C)

CAT. NO.	C	H	L	NO. OF CELLS	BATTERY REFERENCE
105	.064 (1.6)	.335 (8.5)	.805 (20.5)	(1) 2430	CR2430, CL2430, BR2450, CR2477
1025	.074 (1.9)	.452 (11.5)	.805 (20.5)	(1) 2450 (2) 2430	
1025-7	.074 (1.9)	.503 (12.8)	.805 (20.5)	(1) 2477 (2) 2430	

Mounting Detail



- Polarized holder
- Mounts securely for wave soldering
- Reliable spring tension assures low contact resistance

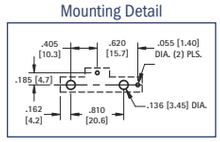


Thru Hole Mount

MATERIAL:
Base: PBT, UL Rated 94V-0
Contacts: .020 (.50) Spring Steel, Tin-Nickel Plate
Operating Temperature: -60°F to +293°F (-50°C to +145°C)

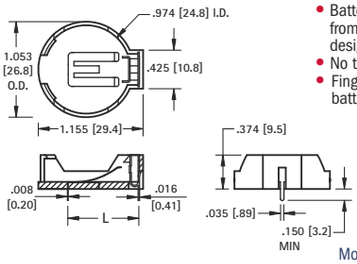
CAT. NO.	BATTERY REFERENCE
1068	(1) CR2450, (1) CL2450

Mounting Detail



24mm TOP Loading

Thru Hole Mount

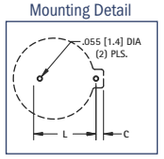


- Battery "Pop-in" from Top for compact designs
- No tools required
- Finger pressure battery release

MATERIAL:
Contacts: 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)

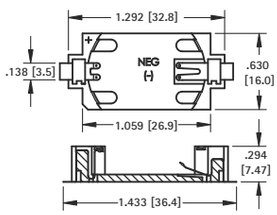
CAT. NO.	L	C	BATTERY REFERENCE
1053	.788 (20.0)	.048 (1.2)	(1) CR2450

Mounting Detail



AVAILABLE ON TAPE AND REEL

- Polarized holder
- Low profile for densely packed PCB's
- Compatible with vacuum and mechanical pick & place systems
- Conductive carrier tape meets ANSA/EIA- 481 standard



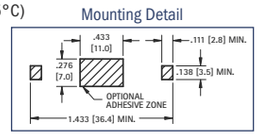
Surface Mount

MATERIAL:
Base: LCP, UL Rated 94V-0
Contacts: .020 (.50) Spring Steel, Tin-Nickel Plate
Operating Temperature: -60°F to +293°F (-50°C to +145°C)

CAT. NO. BULK	ON TAPE & REEL	BATTERY REFERENCE
1052	1052TR	(1) CR2450

Tape & Reel Spec's: 56mm wide; 24mm pitch; 13 inch reel, (250 pieces per reel)

Mounting Detail

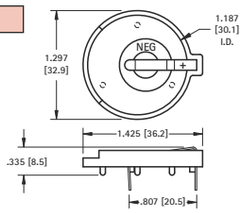


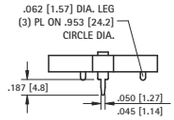
30mm

Thru Hole Mount

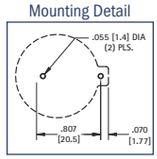
MATERIAL:
Contacts: .020 (.50) Spring Steel, Tin-Nickel Plate
Base: PBT, UL Rated 94V-0
Operating Temperature: -60°F to +293°F (-50°C to +145°C)

CAT. NO.	BATTERY REFERENCE
301	BR3032





Mounting Detail



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