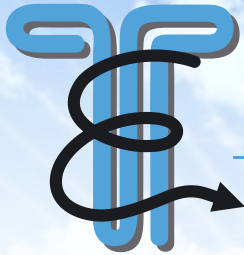
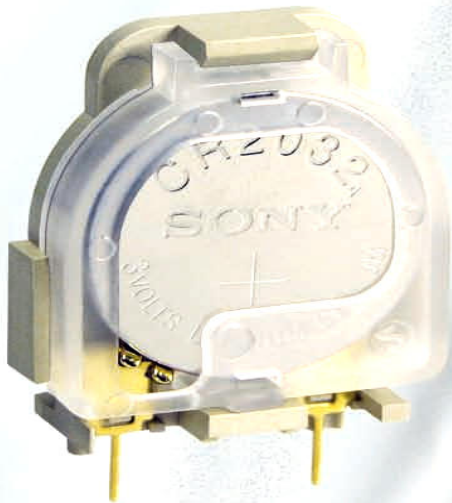
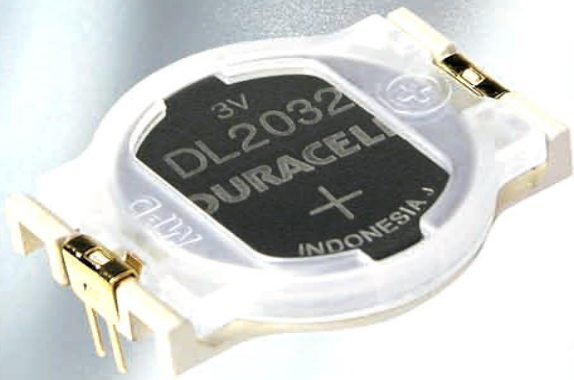


# Energy



**Tamuz Electronics**

Energy Smart Technologies



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**RoHS Compliance**  
RoHS 2 compliance information is available online on our detailed part pages and individual part datasheets for each of our products.

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23  9Vスナップ  
9V 按钮  
9 Volt Snaps

Individual drawings of our products are available online at [www.batteryholders.com](http://www.batteryholders.com)

20  絶縁用部品  
聚酯薄膜  
Mylar Insulators

24  接点排  
Contact Blocks

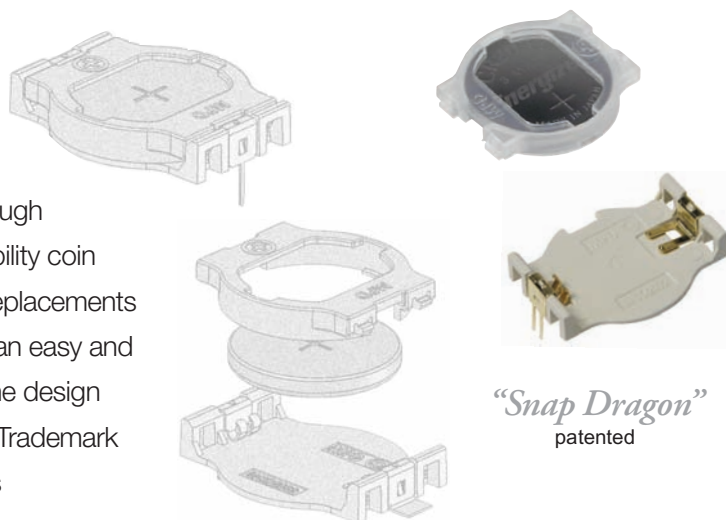
Termination options:	PC- printed circuit pins	L- solder lugs	SF- male/female snap fasteners	W- 6" wire leads	B- bump plates
终端	PC 插针	接线片焊接	9V 按钮	引线	挡板
終了		はんだラグ	9V スナップ	リード線	バンブプレート



We're dedicated to reinventing coin cell holders  
to meet the unending demands of an ever evolving world.

## Snap Dragon

The Snap Dragon is the newest style, which drastically increases the reliability of open top coin cell holders through the use of a snap-on cover piece. While other high reliability coin cell holder solutions can make battery installations and replacements difficult or impossible for end users, Snap Dragons offer an easy and intuitive battery installation and replacement process. The design currently has a patent pending with the U.S. Patent and Trademark Office, and is soon to be the newest addition to MPD's robust patent portfolio of battery holder technologies.



## Snap Dragon 纽扣电池座

自MPD发明首个纽扣电池座以来，我们一直在用越来越新的设计对它进行改造，以满足不断发展的电子行业的需求。Snap Dragon 就是其中的最新设计，它所具备的新功能可以满足更多的需求。扣上电池盖后，纽扣电池完全被锁定，并被 Snap Dragon 牢固地连接得很好。撞击、震动和摔落几乎都不会使电池松开，或使连接中断。但电池盖还是能轻松打开的，便于对电池进行快速简单的更换。LCP（液晶聚合物）底座完全能承受高温回流焊接工艺，聚丙烯电池盖也很坚固，并且具有足够的柔软性，实现对很多电池的顺利更换。更妙的是，Snap Dragon 电池座不仅具有这些优点，尺寸还很小，整体高度仅比印刷电路板 (PCB) 上的纽扣电池高出了1毫米。



组装好的 Snap Dragon 包含 CR2032

CR2032 電池が入った状態の組立後の Snap Dragon。

## Snap Dragon コイン電池ホルダー

MPDは初のコイン電池ホルダーを開発して以来、たえず進化するエレクトロニクス産業の需要に応えるために、より新しい設計を進めることによって、その再開発を続けてきました。Snap Dragon は、需要の高まりに応えるために数々の新機能を搭載した当社の最新型の製品です。カバーをはめ込むとコイン電池が完全に固定される Snap Dragon は、高い信頼性を持ち卓越した接続を実現します。衝撃、振動、落下によって電池がずれるどころか、接続が瞬断することさえほとんどありません。一方、カバーはスナップ内で簡単に取り外せるので、電池交換が迅速かつ容易にできます。LCPベースは高温リフローはんだ付け工程への完全な耐性を持つ一方、ポリプロピレン製カバーは強靱かつ柔軟ですから、何度でも問題なく電池を交換することができます。驚くことに、非常に薄型の Snap Dragon 電池ホルダーを使っても、コイン電池全体のPCBからの高さは平均で1mm増えるだけで、これらの利点をすべて実現することができます。





Surface Mount

表面貼裝

表面実装



SnapDragon-SM  
*patented*



BHSD-2032-SM  
*low profile*



BHSD-2032-COVER



BHSD-2032-L  
SnapDragon-L  
*patented*



solder lugs



BU2032SM-HD-G  
*high retention*



BU2032SM-JJ-GTR  
*high retention*



BU2032SM-BT-GTR



BU2032SM-G



BU2032SM-JJ-MINI-GTR  
*recessed into pcb*



BLP2032SM-GTR  
*low profile*



LP2032SM-JJ-GTR  
*low profile*



BA2032SM  
*press to eject*



BC2032-F1



BH-20H-1T

Thru-hole Mount

通孔

スルーホール



BA2032



BU2032-1



BU2032-1-G



BU2032-1-HD-G  
*high retention*



BC2032-E2



SnapDragon-PC  
*patented*



BHSD-2032-PC



BHSD-2032-COVER



BH800S



BS-3



BH32T-C



BH32T-C-G



BS-7



BS-7-RED



BS-7-BLUE



BVSD-2032-PC



BVSD-2032-COVER



BK-5058  
*w/ latch*



BS-5



MPD

MEMORY PROTECTION DEVICES, INC. 200 BROAD HOLLOW RD., SUITE 4, FARMINGDALE, NY 11735, USA

WEBSITE: [batteryholders.com](http://batteryholders.com) E-MAIL: [sales@batteryholders.com](mailto:sales@batteryholders.com) TEL: +1 631-249-0001 FAX: +1 631-249-0002

# Coin Cell Holders

## Surface Mount 表面貼裝 表面実装



BC501SM  
Diameter: 12 mm



SnapDragon-SM  
*patented*



BHSD-1225-SM  
Diameter: 12 mm



BHSD-1225-COVER



BLP2016SM-GTR  
*low profile*



BH600SM-5.8-G  
Diameter: 16 mm



BH600SM-G  
Diameter: 16 mm



BU1632SM-JJ-GTR  
Diameter: 16 mm



BU2450SM-JJ-G  
Diameter: 24 mm

## Thru-hole Mount 通孔 スルーホール



BH401  
Diameter: 10 mm



BH501  
Diameter: 12 mm



BS-1225-PC  
Diameter: 12 mm



SnapDragon-PC  
BHSD-1225-PC  
Diameter: 12 mm



BHSD-1225-COVER



BV-1632-G  
Diameter: 16 mm



BH600-G  
Diameter: 16 mm



BH600  
Diameter: 16 mm



BH600-5.8-G  
Diameter: 16 mm



BH600-5.8  
Diameter: 16 mm



BH1000G  
Diameter: 24 mm



BH1000S  
Diameter: 24 mm



BU1632-JJ-1-G  
Diameter: 16 mm



BH906S  
Diameter: 23 mm



BH908T-C  
Diameter: 23 mm



BH2430T-C  
Diameter: 24 mm



BS-2450  
Diameter: 24 mm



BH3000  
Diameter: 30 mm

Individual drawings of our products  
are available online at  
[www.batteryholders.com](http://www.batteryholders.com)



## CR2032 Holders

SMD Holder Part Number	Lead-free Solder Process Compatible	Typical (20mm) Cell Number	Thru-hole Mount Part Number	Lead-free Solder Process Compatible	Typical (20mm) Cell Part Number
BHSD-2032-SM	✓	CR2032	BA2032		CR2032
BHSD-2032-L	✓	CR2032	BU2032-1		CR2032
BU2032SM-HD-G	✓	CR2032	BU2032-1-G	✓	CR2032
BU2032SM-JJ-GTR	✓	CR2032	BU2032-1-HD-G	✓	CR2032
BU2032SM-G	✓	CR2032	BC2032-E2		CR2032
BU2032SM-JJ-MINI-GTR	✓	CR2032	BHSD-2032-PC	✓	CR2032
BU2032SM-BT-GTR	✓	CR2032	BH800S		BR/CR/DL (2) 2025, 2032, 6V w. 2 batteries
BLP2032SM-GTR	✓	CR2032	BS-3		CR2032
LP2032SM-JJ-GTR	✓	CR2032	BH32T-C		BR/CR/DL 2016, 2020, 2032, 2040
BA2032SM		CR2032	BH32T-C-HITE	✓	BR/CR/DL 2016, 2020, 2032, 2040
BC2032-F1	✓	CR2032	BH32T-C-G		BR/CR/DL 2016, 2020, 2032, 2040
BH-20H-1T	✓	CR2032	BS-7		CR2032
			BVSD-2032-PC	✓	CR2032 Vertical holder
			BK-5058		CR2032 Vertical holder
			BS-5		CR2032 Vertical holder

## Coin Cell Holders

Part Number	Battery Diameter	Lead-free Solder Process Compatible	SMD	Typical Battery Part Number
BC501SM	12 mm	✓	✓	CR1225
BHSD-1225-SM	12 mm	✓	✓	CR1225
BH600SM-5.8-G	16 mm	✓	✓	16 mm diameter by 5.4 to 6.0 mm Cells, Varta V80H, 625, EPX13, A76
BH600SM-G	16 mm	✓	✓	BR/CR/DL 1620, 1632
BLP2016SM-GTR	16 mm	✓	✓	CR1632
BU1632SM-JJ-GTR	16 mm	✓	✓	CR1632
BU2450SM-JJ-G	24 mm	✓	✓	CR2450
BH401	6-10 mm			CR1025, 317, 319, 321, 361, 362, 364, 370, 371, 373, 377, 395, 396, 397, 399 <b>Types:</b> N, S, T, V, W, X, Z, BA, CA, DA, HA, LA
BH501	12 mm			BR/CR/DL 1216, 1220, 1225
BS-1225-PC	12 mm			CR1225
BHSD-1225-PC	12 mm	✓		CR1225
BV-1632-G	16 mm			CR1632 Vertical holder
BH600-G	16 mm			BR/CR/DL 1620, 1632
BH600	16 mm			BR/CR/DL 1620, 1632
BH600-5.8-G	16 mm			16 mm diameter by 5.4 to 6.0 mm Cells, Varta V80H, 625, EPX13, A76
BH600-5.8	16 mm			16 mm diameter by 5.4 to 6.0 mm Cells, Varta V80H, 625, EPX13, A76
BU1632-JJ-1-G	16 mm	✓		CR1632
BH906S	23 mm			BR/CR/DL (2) 2320, 2325 or (1) 2354, 6 volts with two batteries
BH908T-C	23 mm			BR/CR/DL 2320, 2325, 2330, 2335
BH908T-C-HITE	23 mm	✓		BR/CR/DL 2320, 2325, 2330, 2335
BH1000G	24 mm			CR2477
BH1000S	24 mm			BR/CR/DL (2) 2420, 2430 or (1) 2450, 6 volts with two batteries
BH2430T-C	24 mm			BR/CR/DL 2420, 2430
BH2430T-C-HITE	24 mm	✓		BR/CR/DL 2420, 2430
BS-2450	24 mm			CR2450
BH3000	30 mm			BR/CR 3032



### Verticals

Although electronic devices continue to shrink in size, they are still just as thirsty for power. Coin cell batteries are not shrinking in size or increasing in capacity as quickly, and fitting them into designs is requiring more innovations than ever before. Vertical coin cell holders minimize the footprint of coin cells, however at the cost of having a much higher profile. Newer Verticals are calling for a small hole to be cut into the PCB to allow for the holder to sit partially in the board, like the Minis family, and this minimizes the increase in height, usually saving around a full centimeter. When footprints are your chief concern, think vertically!

### 直立式纽扣电池座

虽然电子设备的尺寸在不断缩小，但它们对供电的要求依然很高。纽扣电池无法以同样的速度实现尺寸的缩小和容量的增大，将这些因素融入到设计中需要空前多的创新。直立式纽扣电池座可将纽扣电池的尺寸减到最小，但是这样就不可能有很高的性能。较新式的直立式系列 (Verticals) 纽扣电池座需要在印刷电路板上开一个小孔，以便让电池座可以有一部分置于电路板上，比如迷你系列纽扣电池座产品系列。这样可以最大限度地减少高度的增加，通常可以节省一厘米左右的高度。如果尺寸是您关心的主要问题，那就考虑一下直立式的吧！

直立式系列是拥挤的电路板  
的最佳解决方案。

Verticalsは密集した  
基板にとって優れたソリ  
ューションです。



Verticals are an excellent solution  
on cramped boards.

BS-1225-PC是MPD推出的  
最新直立式纽扣电池座。

BS-1225-PCはMPD製の  
垂直型コイン電池ホルダー  
最新製品です。



The BS-1225-PC is the newest  
vertical coin cell holder by MPD.

### Verticals コイン電池ホルダー

電子デバイスのサイズの小型化は進んでいます、その消費電力の多さは今もほとんど変わりません。コイン電池ではそれと同じように速くサイズの小型化または容量の拡大が進むことはありませんが、それを設計に合わせるには、これまでになく技術革新が求められます。垂直型コイン電池ホルダーを使えば、コイン電池の設置面積は小さくなりますが、そのためには基板からの高さがずっと大きくなるという犠牲を払わなければなりません。新型のVerticalsの部品は、PCBに小さな穴を切り込むことによって、Minis製品ファミリーのように、ホルダーを部分的に基板上の一部に据え付ける必要があります。こうすることによって、高さの増加が最小限に抑えられ、普通は1 cm近く小さくすることができます。設置面積が大きな問題になる場合は、垂直思考でいきましょう。

Individual drawings of our products are available online at [www.batteryholders.com](http://www.batteryholders.com)





BK-883-TR

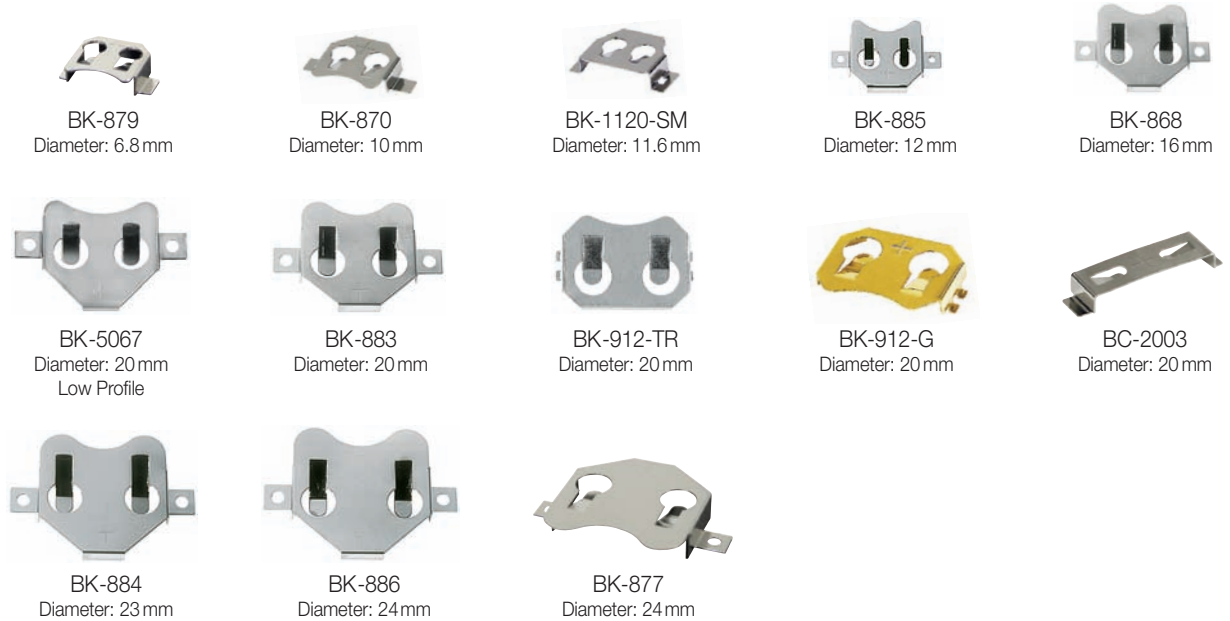
Low Profile Design

Ultra-thin profile offers practical mounting solutions.



Surface Mounting

表面貼裝  
表面実装



Micro diameters



PC Pins

PC 插針



Customized

Retainer Contacts We can custom manufacture our coin cell retainer contacts to fit into confined and problematic spaces.

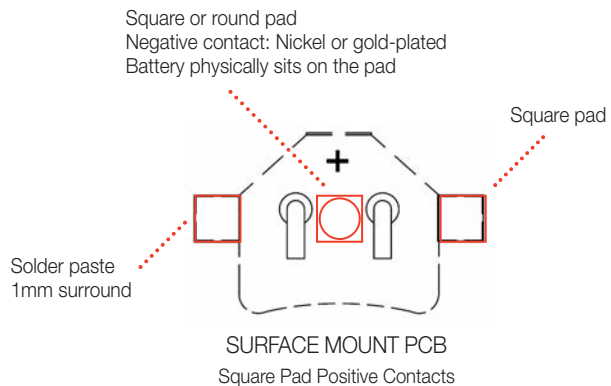
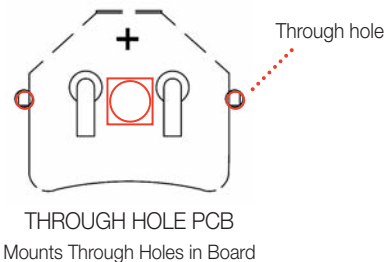


P/N with SMD	Coin Cell Diameter	Typical Part Number for Lithium Coin Batteries and Many Standard Zinc Air, Silver Oxide, and Other rechargeable Lithium Batteries
BK-2982	—	Coin cell small negative contact
BK-414-TR	4.8 mm	ML414, MS412FE, MS414GE or 1.4 mm thick by 4.8 diameter batteries
BK-335-TR	5.8 mm	335 batteries
BK-879	6.8 mm	MC621, V364, SC621, 379, V321, SR65, V364, SR60, V377, SR66, V379, and SR63
BK-870	10 mm	BR1025, CR1025, and MS920SE batteries
BK-885	12 mm	BR/CR/DL 1216, 1220, 1225, 379, 371, 381, 391, 389, RW80, LR55 batteries V8GA, G8 or 1.6 to 2.5 mm thick by 12 mm maximum diameter batteries
BK-1120-SM	12 mm	LR1120, SR1120W, 391 or 1.6 to 2.1 mm thick by 11.6 mm diameter batteries
BK-868	16 mm	BR/CR/DL 1616, 1620, 1632 or 1.6 to 3.2 mm thick by 16 mm diameter batteries
BK-5009	16 mm	V80H, V675H, A76, 357, I-Buttons, or 5.2 to 6 mm thick by 16 mm diameter batteries
BK-5067	20 mm	BR/CR/DL 2016 or 1.2 to 1.6 mm thick batteries
BK-883	20 mm	BR/CR/DL 2016, 2020, 2025, 2032 or 1.6 to 3.2 mm thick by 20 mm diameter batteries
BK-912-TR	20 mm	BR/CR/DL 2032 or 3.2 mm thick by 20 mm diameter batteries
BK-912-G	20 mm	BR/CR/DL 2032 or 3.2 mm thick by 20 mm diameter batteries
BK-884	23 mm	BR/CR/DL 2320, 2325, 2330 or 2.0 to 3.0 mm thick by 23 mm diameter batteries
BK-878	23 mm	BR/CR/DL 2354 or 5.4 mm by 2.3 mm diameter batteries
BK-886	24 mm	BR/CR/DL 2430 or 2.0 to 3.0 mm thick by 24 mm diameter batteries
BK-877	24 mm	BR/CR/DL 2450 or 5.0 mm thick by 24 mm diameter batteries

P/N with PC Pins	Coin Cell Diameter	Typical Part Number for Lithium Coin Batteries and Many Standard Zinc Air, Silver Oxide, and Other rechargeable Lithium Batteries
BK-5091	11.6 mm	LR44, SR44, AG13, A76, 303, and 357 batteries
BK-890	12 mm	BR/CR/DL 1216, 1220, 1225, 379, 371, 381, 391, 389, RW80, LR55 batteries V8GA, G8 or 1.6 to 2.5 mm thick by 12 mm maximum diameter batteries
BK-869	16 mm	BR/CR/DL 1616, 1620, 1632 or 1.6 to 3.2 mm thick by 16 mm diameter batteries
BK-5010	16 mm	V80H, V675H, A76, 357, I-Buttons, or 5.2 to 6 mm thick by 16 mm diameter batteries
BK-888	20 mm	BR/CR/DL 2016, 2020, 2025, 2032 or 1.6 to 3.2 mm thick by 20 mm diameter batteries
BK-913	20 mm	BR/CR/DL 2032 or 3.2 mm thick by 20 mm diameter batteries
BC-2400	20 mm	BR/CR/DL 2032 or 3.2 mm thick by 20 mm diameter batteries
BK-889	23 mm	BR/CR/DL 2320, 2325, 2330 or 2.0 to 3.0 mm thick by 23 mm diameter batteries
BK-881	23 mm	BR/CR/DL 2354 or 5.4 mm by 2.3 mm diameter batteries
BK-887	24 mm	BR/CR/DL 2430 or 2.0 to 3.0 mm thick by 24 mm diameter batteries
BK-5033	24 mm	BR/CR/DL 2450 batteries
BK-880	24 mm	BR/CR/DL 2450 or 5.0 mm thick by 24 mm diameter batteries

**Solder paste locations for mounting retainers**

1mm surround for solder paste



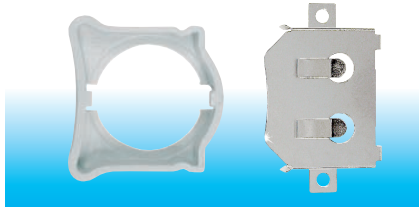
Individual drawings of our products are available online at [www.battery-contacts.com](http://www.battery-contacts.com)





Quick and Simple Coin Cell Replacement . . .  
 . . . that Locks Securely

**Gliders**  
 Coin Cell Retainer Tray



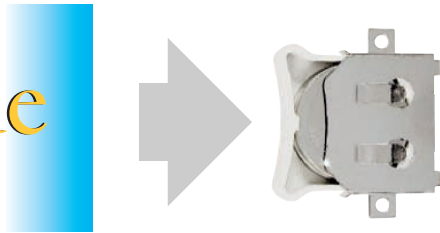
**Shock and Vibration Resistance**

**Load**



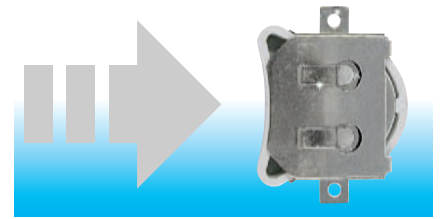
**Load Coin Cell into the Tray**

**Glide**



**Glide the Tray into Retainer**

**Lock**



**Securely Lock in Retainer**

Easy-to-solder, nickel-plated, retainers are designed with PC pins or for surface mounting.

**Surface Mount Glider**  
 Part Number

Cell Number

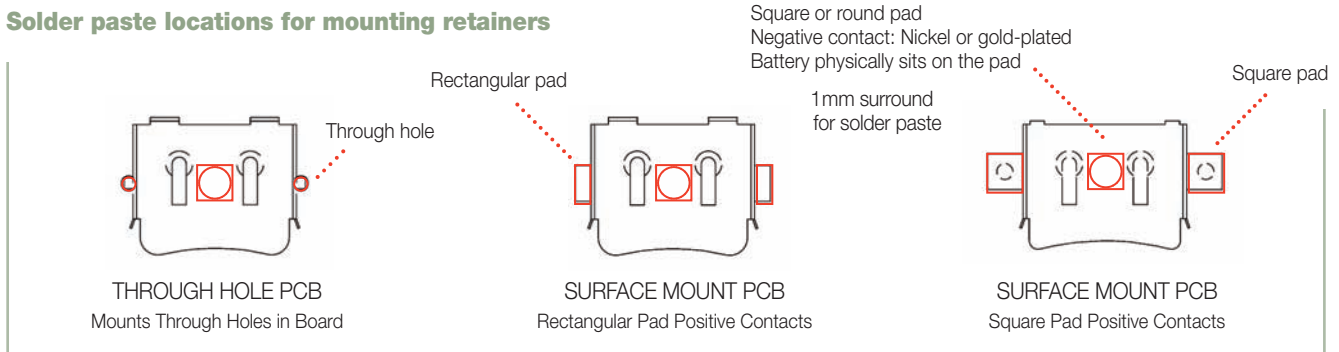
BHX1-LR44-SM	LR44
BHX1-1025-SM	CR1025
BHX1-1225-SM	CR1225
BHX1-1620-SM	CR1620
BHX1-1632-SM	CR1632
BHX1-F3-SM	F3 - I button
BHX1-5.8-SM	F5 - I button
BHX1-2032-SM	CR2032
BHX2-2032-SM	2X - CR2032
BHX1-2325-SM	CR2325
BHX1-2430-SM	CR2430
BRX1-2450-SM	CR2450
BRX1-2477-SM	CR2477

**Thru-hole Mount Glider**  
 Part Number

Cell Number

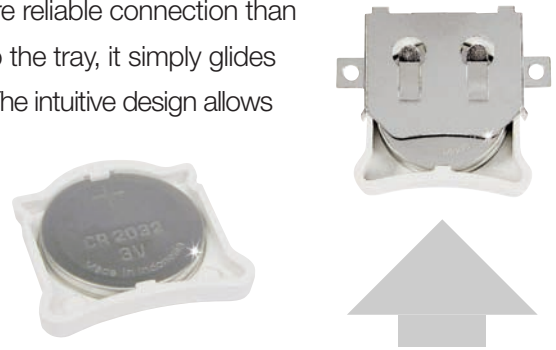
BHX1-LR44-PC	LR44
BHX1-1025-PC	CR1025
BHX1-1225-PC	CR1225
BHX1-1620-PC	CR1620
BHX1-1632-PC	CR1632
BHX1-5.8-PC	F5 - I button
BHX1-2032-PC	CR2032
BHX2-2032-PC	2x - CR2032
BHX1-2325-PC	CR2325
BHX1-2430-PC	CR2430
BHX1-2450-PC	CR2450

**Solder paste locations for mounting retainers**



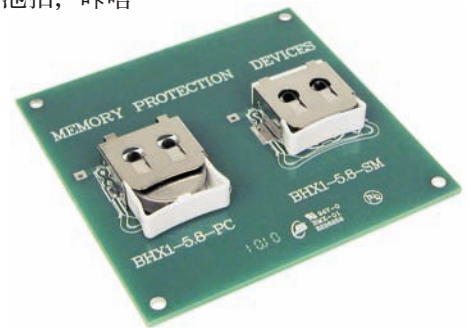
## Gliders

Gliders are a hybrid between a coin cell retainer and a holder, offering the price competitiveness of a coin cell retainer, while at the same time giving a better and more reliable connection than the standard battery holder. Once the battery has been installed into the tray, it simply glides into the retainer and clicks into place to provide a secure connection. The intuitive design allows for quick and tool-less battery replacements, while the built-in polarity protection ensures that the coin cell will not make contact when improperly inserted.



## 滑动式系列纽扣电池座

滑动式纽扣电池座 (Gliders) 系列是电池扣和电池座的混合体，不仅具备纽扣电池扣的价格竞争优势，同时还比标准的电池座连接得更好更牢固。一旦电池装入托盘就会轻松滑入电池扣，咔嗒一声到位，形成牢固的连接。直观的设计能实现快速的电池更换，无需借助工具，同时内置正负极防护功能可确保纽扣电池只有在装入正确时才会连接成功。滑动托盘的另外一个好处是能隔离电池，允许多个纽扣电池的串联式连接，适用于更高电压的设备。滑动式系列的纽扣电池座正迅速受到医疗和射频识别 (RFID) 产品的欢迎，其可靠性和易用性对医疗和 RFID 产品而言都极其重要。



滑动式系列纽扣电池座是具有滑动托盘的电池扣，用以固定电池。

Glidersコイン電池ホルダーは、リテーナーにグライディングトレーに組み合わせた部品で、両者が一体となってコイン電池を保持します。

## Gliders コイン電池ホルダー

Glidersは、コイン電池リテーナー並みの価格競争力を実現すると同時に、標準的な電池ホルダーよりも優れた高い信頼性を持つ、リテーナーとホルダーのハイブリッド型の製品です。トレーに取り付けられた電池は、リテーナーに滑り込むように入って所定の位置にカチッと収まり、確実な接続を実現します。直感的に使える設計により、工具がなくても簡単に電池を交換することができる上に、逆極性保護機構を内蔵しているので、電池を誤った向きに入れようとするとう電気接続ができないようになっています。もうひとつの利点は、グライディングトレーが電池を絶縁することによって、複数のコイン電池を直列に接続できるので、より電圧が高い用途にも使えます。この Gliders コイン電池ホルダー製品ファミリーは、信頼性と使いやすさが最も重視される医療用や無線ICタグ (RFID) 製品の間で急速に普及しています。

Individual drawings of our products are available online at [www.battery-contacts.com](http://www.battery-contacts.com)



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## 1/2 AA-Cell Holders



BH1/2AA-3



6S-1/2AA



ABH1/2AA  
with cover



815-0931  
without cover



BH1/2AA-SM

## 2/3 AA-Cell Holders



BH2/3A-SM



BH2/3A



BH2/3A-3



BC2/3AE  
w. BI-UM-3-4



6S-2/3A



BH123A



2/3 AA  
Retainer Strap

BC2/3AC

## N-Cell Holders



BH1/3N-C



BC1/3N



BC1/3N-C-SM



BH2N



BHNW



BH2NL



BH12NW



BH4NL  
w. BI-UM-3-4

## 6 Volt Holders



BH223-L



## 12 Volt Holders



BH23AL  
23A-Cell Holder



BH223-X2-W  
CR223A Holder

Termination options: PC- printed circuit pins L- solder lugs SF- male/female snap fasteners W- 6" wire leads B- bump plates



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## AAA-Cell Holders



BCAAA W  
ABS



BC2AAAL



BH2AAAW  
Nylon



BC22AAAL



BC3AAAW



BH3AAAPC  
Nylon



BC4AAAL



BH4AAAPC  
Nylon



BH24AAAL



BH26AAASF



BH28AAAL



BK-1264-PC-8  
8 PC pins

## AAA Covered Battery Holders

with  
Switch



SBH421AS



SBH431AS



SBH441AS

## AAAA Battery Holders



BE-AAAA-PC



BE-AAAA-W



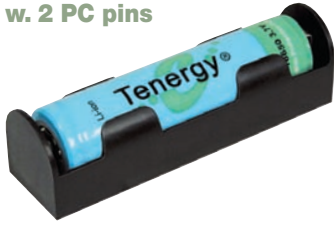
BE-2AAAA-PC



BE-2AAAA-W



w. 2 PC pins



BK-18650-PC2



BH-18650-PC

w. wires



BH-18650-W

w. 4 PC pins



BK-18650-PC4



w. 6 PC pins



BK-18650-PC6



w. 8 PC pins



BK-18650-PC8



Our lithium-ion 18650 holders are designed for cells with built-in protection circuit modules (PCMs). Standard lithium-ion 18650 cells are typically only used by manufacturers of battery packs because of concerns that the batteries could overcharge or over-discharge, potentially causing burns, or even an explosion or fire. This is why most device manufacturers choose to use 18650 cells with built-in PCMs, which are available from several well-known companies.

Individual drawings of our products are available online at [www.batteryholders.com](http://www.batteryholders.com)



## 锂离子“18650”电池盒：

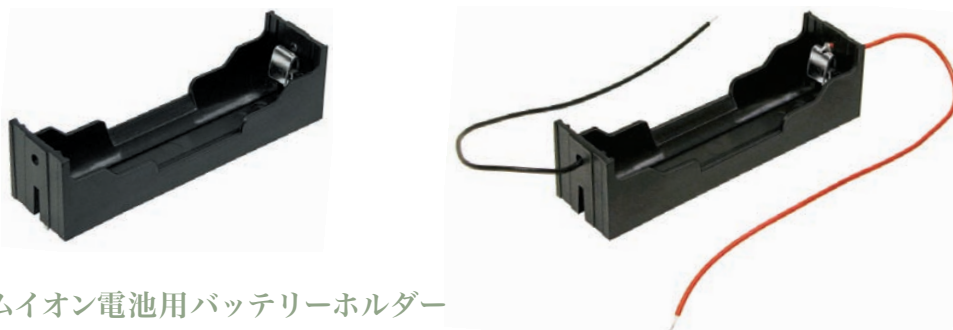
MPD为18650保护电池推出其新系列的锂离子电池盒。这些电池盒可容纳1到4个3.7伏电池，适用于消费或工业产品。首款上市的为零件号BK-18650-PC2，它可适用有嵌入式电路保护的新锂离子充电电池。

BK-18650-PC2 具有大型镀镍不锈钢压力接点，pc引脚尾部宽为1.5mm。这些接点具有低的电阻，并且在电池和电池盒之间提供紧密的连接，从而确保长期无故障连接。

UL94V-0 塑料外壳质量很轻，但强度很高，在电子设备所处的自然条件下具有长时间的使用寿命。电池盒长77mm、宽21mm，高22mm。该电池盒具有两个用于硬安装(hard mounting)的挂载点，也可以用粘合剂或双面胶带黏合。

嵌入式电路保护消除了标准 LI-ION 18650 电池的缺陷。由于担心电池过热、可能导致灼伤、爆炸或火灾，标准的18650电池仅提供给电池组制造商。带保护18650电池容量有2400至3000mAh 由几家知名的公司供应。

1000件的单价为1.57美元，大量购买还可享受折扣。通常产品可以从经销商库存交货或经过短暂的等待时间。



## 18650型リチウムイオン電池用バッテリーホルダー

保護機構付きの18650型リチウムイオン電池用バッテリーホルダーがMPDから発売されます。このホルダーは3.7ボルトの電池を1個ないし4個格納できて、消費者向け製品または業務用製品のどちらにも適しています。今回発売される新製品（部品番号BK-18650-PC2）は、回路保護機構を内蔵したリチウムイオン充電電池を格納できる同社初の市販品です。

BK-18650-PC2は、ニッケルめっきを施したステンレス鋼製の大型圧力接点に1.5mm幅のpcピンテールがついています。低抵抗を実現するとともに、電池との密な接触を維持する設計によって、長期間にわたって接触不良を起こしません。

UL94V-0認定のプラスチック筐体は、軽量化を実現しながら、電子装置に通見られる使用条件で長期間にわたって耐えられる高い強度があります。ホルダーの大きさは77×21mm（長さ×幅）、厚さは22mm足らずです。ハードマウント用に2つのマウント用ホールがついていますが、粘着テープ（または両面テープ）で接着することもできます。

標準品の18650型リチウムイオン電池は、それに起因する故障を防ぐために回路保護機構を内蔵しています。18650型電池は、そのままでは電池が加熱して燃焼、爆発もしくは火災事故を引き起こすおそれがあるため、バッテリーパックメーカーにのみ供給されています。保護機構のついた18650型電池は2400～3000mAh仕様で、有名メーカー数社から発売されています。

1,000個の量産単価は1.57ドルで、大量受注割引も用意しています。通常は販売店在庫から納品できますが、場合によっては多少お待ちいただくこともあります。





BCAAL



BHAA-3  
PBT



BC2AAW



BC22AAW



BC32AAL



BC12AAL



BC6100-PC4  
4 PC pins  
Springless



BA2AAW  
w. ABG-44  
Springless



BC3AAPC



BA3AAPC  
w. ABG-47  
Springless



BC3AAGW



BC3AAL



BA3AAW  
Springless



BH3AASF  
Nylon



BK1280-PC6  
6 PC pins  
Springless



BK1279-PC8  
8 PC pins  
Springless



BA4AAPC  
Springless



BA4AAW  
w. ABG-43  
Springless



BC4AAL



BH14AAL



BH24AAL



BH44AAW



BH34AAL

Termination options: PC- printed circuit pins L- solder lugs SF- male/female snap fasteners W- 6" wire leads B- bump plates



AA-Cell Holders



BH26AAL



BH16AAL



BH362A



BH36AAW  
ABS



BH48AAL



BH28AAW



BH10AAL



BH310AAL

AA-Cell Holders with Covers

with 6" wire leads



SBH321AS



SBH331AS



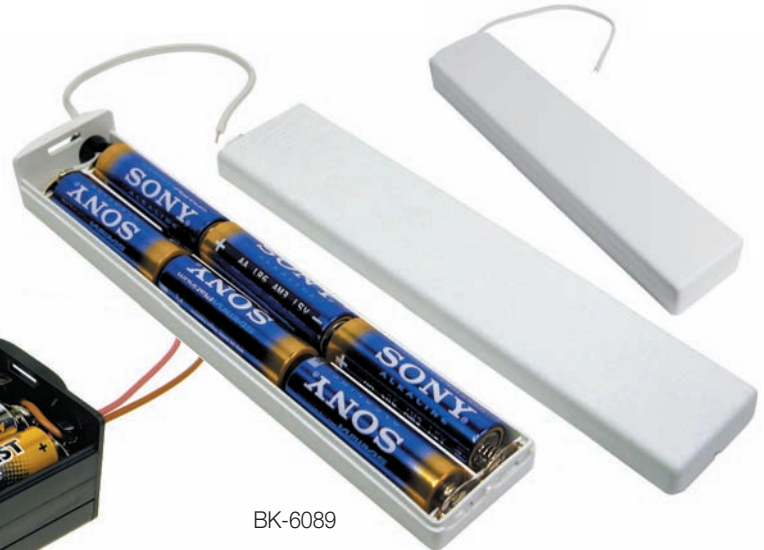
SBH341AS



SBH361A



BK-6049



BK-6089



## AA Spring-Less Holders



BHAA-3  
PBT



BHAA-3-G  
Gold Contacts



BHAA-POL-G  
Gold Contacts



BHAA-POL



6S-AA

w. 2 PC pins



BA2AAPC

w. 2 PC pins



BA2AAW  
w. ABG-44

w. 4 PC pins



BK-6100-PC4

ABG-44



BA3AAPC  
w. ABG-47

w. 2 PC pins



BA3AAW

w. 6 PC pins



BK-1280-PC6



BA4AAPC

w. 2 PC pins

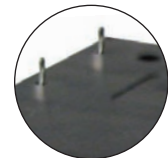


BA4AAW  
w. ABG-43

w. 8 PC pins



BK-1279-PC8  
w. BK1279-04



## AA Retainer Straps



ABG-43



ABG-44



ABG-47



BK1279-04

Individual drawings of our products are available online at [www.batteryholders.com](http://www.batteryholders.com)



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## Ultra-reliable Holders with Dual Pressure Contacts



BK-6100-PC4  
4 PC pins  
Springless



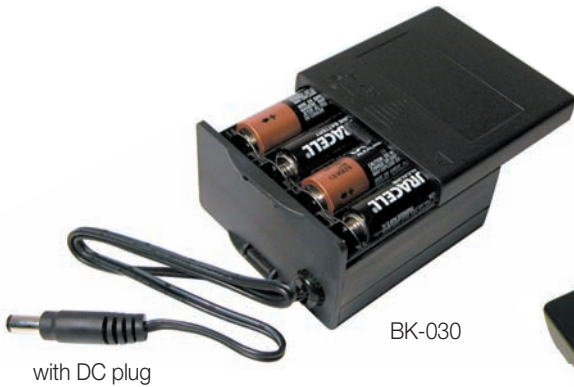
BK-1280-PC6  
6 PC pins  
Springless



BK-1279-PC8  
8 PC pins  
Springless



## 8 AA Battery Pack

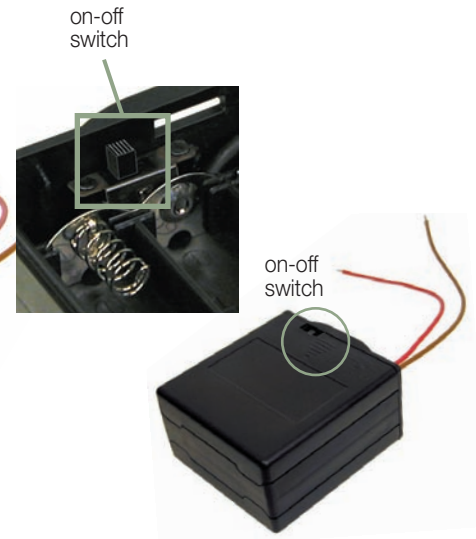


BK-030

with DC plug



BK-6049



on-off switch

on-off switch

## Mylar Battery Insulators

*General-purpose and for batteries.*

Place the mylar insulator between the battery and the contacts on the battery holder to interrupt the connection.



BI-2032



BI-UM-3-4



BI-UM-1-2

**Termination options:** PC- printed circuit pins L- solder lugs SF- male/female snap fasteners W- 6" wire leads B- bump plates

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**MPD**

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## C-Cell Holders



### Accessory

Mylar Battery Insulator

電池绝缘体  
電池絶縁材

Place the mylar insulator between the battery and contacts on the battery holder to interrupt the connection.

BI-UM-1-2

## Part No. Ordering Information

**Example: BC2AAPC**  
2AA Holder, PC pins

BC 2 AA PC  
 Termination: see options (right)  
 Base Number  
 Prefix: BC, BH

### Termination options:

PC- printed circuit pins  
 L- solder lugs  
 SF- 9 volt terminals  
 W- 6" wire leads  
 B- bump plates

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BHDL



BHD-2  
2 PC pins  
Springless



BH2DW



BH12DW



BH13DL



BH3DL



BA4D-S  
Lantern Battery Replacement



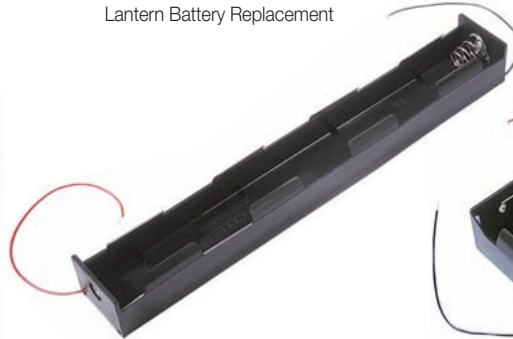
BH4DL



BC24DL



BH24DL



BH14DW



BH5DW



BH26DL



BH36DL



BH28DL



BH428DL



BH48DW



BH510DW



BH212DL



## 9 Volt Holders



BH9VPC



BA9VPC



BA9VPC



BC9VPC



BH9VL



BH9WW

### Connector Option



BS6I-411

## BS Covers



BS-COVER



Fit all standard 9V batteries and snaps.

Termination options: PC- printed circuit pins L- solder lugs SF- male/female snap fasteners W- 6" wire leads B- bump plates

## 9 Volt Snaps

### T-style Snaps

T Style



T Style-2pc molded



T Style-Heavy Duty



### I-style Snaps

I Style



I Style-2pc molded



I Style-Heavy Duty



### 9 Volt Snaps

MPD's 9V snaps are a full line of connectors for use with 9V batteries. They come in both the "I style" and "T style", which determine whether the battery contacts are parallel ("I") or perpendicular ("T") to the wire leads. There are also variants of the snaps, with available suffixes of -HD for heavy duty female contacts, or -MC for molded plastic covers, among others. The wide variety of 9V snaps that we produce should help in finding the right 9V snap connectors for your application.



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9V 電池按扣连接器

MPD 的 9V 按扣指用于 9V 电池的全套连接器。它们分为“I型”和“T型”，代表电池触点与引线平行（“I”）还是垂直（“T”）。按扣还包括不同类型，-HD 后缀表示重型母触点，-MC 后缀表示模压塑料盖，等等。我们生产的 9V 按扣种类繁多，这有助于找到适合您的设备的 9V 按扣连接器。

Printed Circuit Snaps



BS-PCF BS-PCM

9 Volt Snaps



BSF BSM BSR

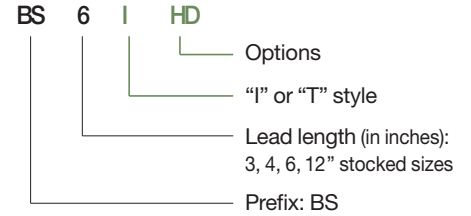
Heavy Duty 9 Volt Snap



BSF-HD

Snap Options: **MC**- 2 piece molded case, PE  
**HD**- Heavy duty

Part Number Ordering Information



9V 電池スナップコネクター

MPDの9Vスナップでは、9V電池で使えるコネクターを豊富に取り揃えています。これらの製品には「I型」と「T型」のどちらも対応していますので、電池の接点がりード線に対して平行（「I」）か垂直（「T」）かに応じて決めることができます。このスナップにはこのほか、高負荷メス接点付き（末尾コード：-HD）、成型プラスチックカバー付き（-MC）など様々なバージョンがあります。当社が製造している多彩な9Vスナップ製品は、お客様の用途にぴったり合った9Vスナップコネクターを見つけるのに役立つでしょう。

Contact Blocks

Contact Blocks 接点排

Contact blocks are somewhere in-between a battery clip and a battery holder, borrowing some of the benefits of both. By cutting out the material in-between the ends of the typical battery holder, there is a substantial savings in plastic. This is not only environmentally beneficial, but it is also an excellent way to cut costs. Contact blocks also use the same pressure contacts as our top of the line battery holders, meaning a large increase in reliability over battery clips.



CB-AA-PC-NEG



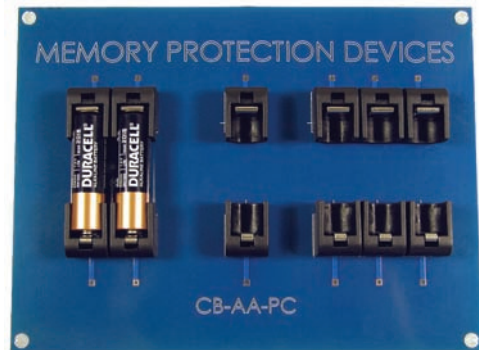
CB-AA-PC-POS



CB-AAA-PC-NEG



CB-AAA-PC-POS



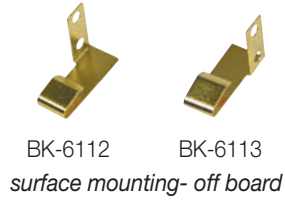
Contact blocks function similarly to battery clips, however contact blocks are more reliable.

Individual drawings of our products are available online at [www.battery-contacts.com](http://www.battery-contacts.com)



# Battery Contacts

## AAAA cell Contacts



BK-6112      BK-6113

surface mounting- off board

表面貼裝

表面実装

## AAA cell Contacts



SN-T7-01A    SN-T7-01B    SN-T7-02A    BK-5003    BK-82  
 SN-T7-05A    SN-T7-06A    BK-202    BK-204    F04

## AA cell Contacts



BK-209    BK-228    SN-T5-1    SN-T5-2  
 SN-T5-3    SN-T5-4    BK-595    BK-628    BK-53    BK-92

## C cell Contacts



SN-T8-1    SN-T8-2    SN-T8-3

## D cell Contacts



BK-874    BK-875    BK-876

## Generic Contacts



ABG-96 POS    ABG-96 NEG    BH2/3-TER    ABG-02    ABG-04    ABG-05    ABG-147    ABG-165

## Contact Springs



BCAAA    BCAA    ABG-174 Loop-back spring    4-2    BCC    BCD    BCAA-HD



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## Fuse Clips and Fuse Holders

### 2AG and 5mm Fuse Clips

Low-profile, snap-in design, PC retention for wave soldering, available with legs for critical alignment during PC installation, available with or without stops. Rated 6.3 to 30 Amps.



### 3AG (.250") Fuse Clips and PC Fuse Holders

Low-profile, snap-in design, PC retention for wave soldering, available with legs for critical alignment during PC installation, available with or without stops. Rated 6.3 to 30 Amps.



### PC Automotive Blade Fuse Clips

Low-profile, snap-in design, PC retention for wave soldering, available with legs for critical alignment during PC installation, available with or without stops. Rated 6.3 to 30 Amps.



### 15 Amp PC Automotive Blade Fuse Holders

Thru-hole PC mountable, maintains position during wave soldering. Holder design prevents solder wicking. Shock and vibration resistant. Durable grip, even after multiple uses.



### In-line Fuse Holders



### Fuse Clips and Fuse Holders

BF301	In-line fuse holder, add your own 6.35 x 30 mm fuses
BF302	In-line fuse holder, add your own 5 x 20 mm fuses
BK-6001	Snap-in 3AG, PC clip for 1/4" diameter fuse
BK-6002	Snap-in 2AG, PC clip for 5 mm diameter fuse
BK-6003	Traditional 3AG, PC clip for 1/4" diameter fuse
BK-6004	3AG, PC fuse holder
BK-6005	Traditional 2AG, PC clip for 5 mm diameter fuse
BK-6006	Auto fuse clip for .205" x .025" standard blade fuses
BK-6007	Traditional 3AG, PC clip for 1/4" diameter fuse
BK-6008	Auto fuse clip for .110" x .032" mini blade fuses
BK-6009	PC clip for 5 mm diameter fuse
BK-6010	Auto fuse holder for .205" x .025" standard blade fuses
BK-6011	Auto fuse vertical holder for .10" x .032" mini vertical blade
BK-6012	Auto fuse clip for .205" x .025" standard blade fuses
BK-6013	Auto fuse holder for .110" x .032" mini blade fuses

Individual drawings of our products are available online at [www.fuseholders.com](http://www.fuseholders.com)



# IT'S ALL ABOUT ENERGY