

BATTERYHOLDERS.COM

..... an ISO 9001 company

Battery Holder and Contact Solutions for Any Application

Coin Cell Battery Retainers & Gliders



Cost-effective alternatives to traditional batteryholders



MEMORY PROTECTION DEVICES, INC. 200 BROAD HOLLOW ROAD, FARMINGDALE, NY 11735, USA

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Retainer Contacts

Coin cell retainers provide a reliable electrical connection at a fraction of the cost of the traditional plastic battery holder. Besides reducing material costs, the elimination of the plastic carrier allows for lower profile solutions that support the growing needs of miniaturization and the rigorous demands of portable electronic equipment. Our ultra-reliable, advanced technology, designs require no tool for battery removal and replacement.

Engineered to support all of the major coin cell brands, MPD's retainers are available in a wide range of sizes, from a tiny 4 mm retainers that holds a ML-414 coin cell, to a 20 mm battery retainer commonly utilized for BR2032 and CR2032 coin cells, to a 24 mm battery retainer that holds the highly popular CR-2430 coin cell. We can design a customized solution if you need a specialized coin cell retainers for applications with an abnormally demanding requirements.



Retainer contacts are ideally suited to miniaturized applications.

ボタン/コインタイプ電池用ホルダー持具

纽扣电池座只基于传统电池座成本的一小部分, 就可以提供高信任度的电气连接性能. 除了降低原材料的成本以外, 省去了塑料卡片可以使电池以更 化及精简的方式去适应 在便携式设备上日益增长的微型化及特定的设计需求. 我们产品特别的高可靠性. 先进的技术 & 设计使的电池的移动及更换都方便进行, 不需要特别的辅助工具.

以支持所有主要的纽扣电池生产商为出发点, MPD 的电池座含概了非常大的尺寸范围, 从可以配合 ML-414 纽扣电池的微小 4MM 电池座, 到支持最为通常使用的 BR2032 及 CR2032 的 20MM 的电池座, 再到十分流行的 CR2430 的 24MM 的电池座, 都可以找到. 我们可以根据客户特定产品的应用需求来进行电池座方案的专门研发及定制.



Low-profile retainers offer a perfect solution when clearance is an issue.

リテーナー (簡易金属型電池ホルダ)

コイン電池用リテーナーは従来のプラスチック製の電池ホルダに比べ、低コストで信頼性の高い電氣的接続の提供が可能です。

材料コストを抑えるだけでなく、プラスチックハウジング部分が無くなることで、薄型となり、ポータブル機器などのニーズに合った設計を可能とします。

また、最先端の設計技術により電池の装着及び取り外しに特殊な工具を一切必要としません。

MPD では主要コイン電池メーカーの規格に則り、小さい物は ML-414 電池用の 4 ミリから、一般的な BR2032、CR2032 などの 20 ミリ、そして CR2430 用の 24 ミリまでの幅広い種類のリテーナーをご用意しております。

また、貴社の設計に見合ったリテーナーなどのカスタマイズ設計も可能です。



Retainers can be custom engineered to precisely fit into your new product design.





BK-883-TR

Low Profile Design

Ultra-thin profile offers practical mounting solutions.



Surface Mounting

表面貼裝
表面実装



BK-879
Diameter: 6.8 mm



BK-870
Diameter: 10 mm



BK-1120-SM
Diameter: 11.6 mm



BK-885
Diameter: 12 mm



BK-868
Diameter: 16 mm



BK-5067
Diameter: 20 mm
Low Profile



BK-883
Diameter: 20 mm



BK-912-TR
Diameter: 20 mm



BK-912-G
Diameter: 20 mm



BC-2003
Diameter: 20 mm



BK-884
Diameter: 23 mm

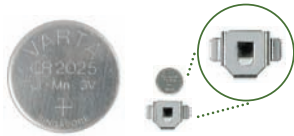


BK-886
Diameter: 24 mm



BK-877
Diameter: 24 mm

Micro diameters



BK-414-TR
ML414 Retainer



Actual Size



BK-335
Diameter: 5.8 mm



BK-2982
Coin cell small
negative contact

PC Pins

PC 插针



BK-5091
LR44 Retainer
Diameter: 11.6 mm



BK-890
Diameter: 12 mm



BK-869
Diameter: 16 mm



BK-913
Diameter: 20 mm



BC-2400
Diameter: 20 mm



BK-888
Diameter: 20 mm



BK-889
Diameter: 23 mm



BK-887
Diameter: 24 mm



BK-5033
Diameter: 24 mm

Customized

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



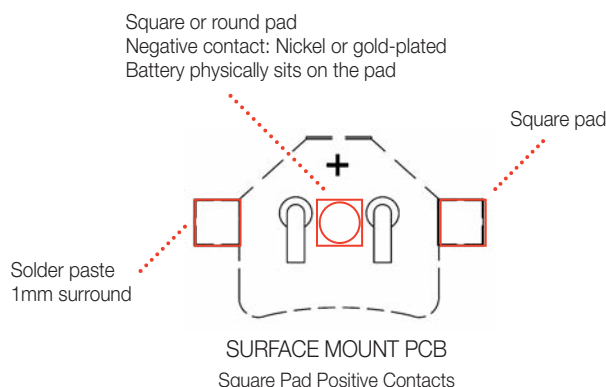
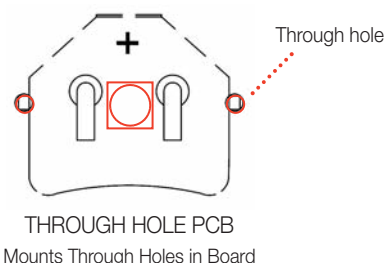
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P/N with SMD	Coin Cell Diameter	Typical Part Number for Lithium Coin Batteries and Many Standard Zinc Air, Silver Oxide, and Other rechargeable Lithium Batteries
BK-2982	—	Coin cell small negative contact
BK-414-TR	4.8 mm	ML414, MS412FE, MS414GE or 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



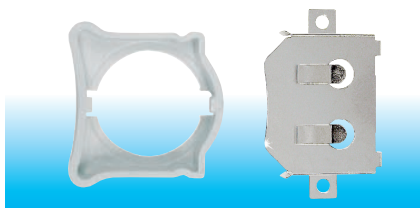
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Quick and Simple Coin Cell Replacement . . .

. . . that Locks Securely

Gliders
Coin Cell
Retainer Tray



Shock and Vibration Resistance

Load



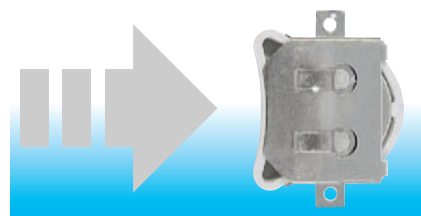
Load Coin Cell into the Tray

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

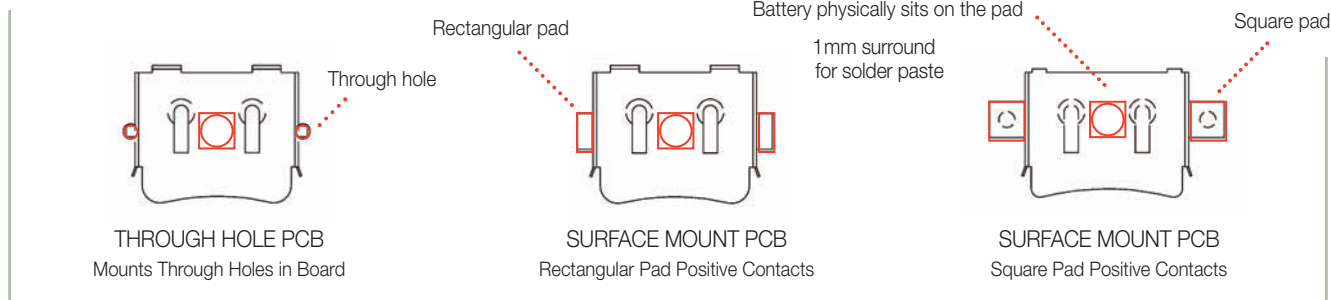
BHX1-LR44-SM	LR44
BHX1-1025-SM	CR1025
BHX1-1225-SM	CR1225
BHX1-1620-SM	CR1620
BHX1-1632-SM	CR1632
BHX1-F3-SM	F3 - I button
BHX1-5.8-SM	F5 - I button
BHX1-2032-SM	CR2032
BHX2-2032-SM	2X - CR2032
BHX1-2325-SM	CR2325
BHX1-2430-SM	CR2430
BRX1-2450-SM	CR2450
BRX1-2477-SM	CR2477

Thru-hole Mount Glider
Part Number

Cell Number

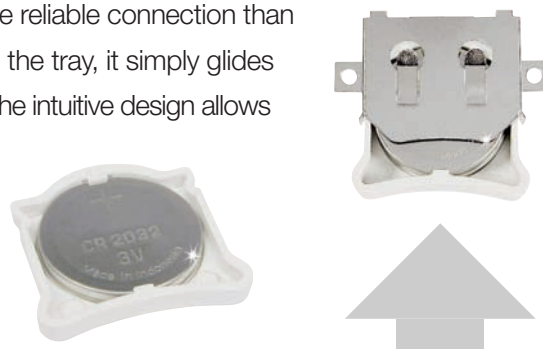
BHX1-LR44-PC	LR44
BHX1-1025-PC	CR1025
BHX1-1225-PC	CR1225
BHX1-1620-PC	CR1620
BHX1-1632-PC	CR1632
BHX1-5.8-PC	F5 - I button
BHX1-2032-PC	CR2032
BHX2-2032-PC	2x - CR2032
BHX1-2325-PC	CR2325
BHX1-2430-PC	CR2430
BHX1-2450-PC	CR2450

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

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すると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イ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。

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イ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。

Individual drawings of our products are available online at www.battery-contacts.com



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