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Individual drawings of our products are available online at www.batteryholders.com

Development Kits

Termination options:PC- printed circuit pinsL- solder lugsSF- male/female snap fastenersW- 6" wire leadsB- bump plates終端PC 插针接线片焊接9V 按扣引线挡板終了はんだラグ9V スナップリード線バンププレート

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 from the U.S. Patent and Trademark Office, and is the newest addition to MPD's robust patent portfolio of battery holder technologies.



Snap Dragon 纽扣电池座

自MPD发明首个钮扣电池座以来,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,钮扣电池完全被锁定, 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) 上的钮扣电池高出了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靭かつ柔軟ですから、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。



Minis

Minis reduce the profile of battery holders to nearly nothing. By drilling a small hole into the surface of the PCB, a mini coin cell holder can be placed partially in the circuit board. This drastically lowers the profile of the battery holder, making

Minis the perfect solution wherever the populated board's height is a top priority.

> Lowest profile for maximum clearance



迷你纽扣电池座

迷你 (Minis) 系列纽扣电池座将电池座的尺寸缩减至几乎可以忽略。通过在印刷电路板的表面钻小孔, 迷你钮扣电池座能部分置于电路板上。这大大缩小了电池座的尺寸,使迷你系列纽扣电池座成为了优先考 虑满载电路板高度时的完美解决方案。高压内弯触点保证了与电池安全紧密的连接,

同时还使其能轻松进行更换。迷你系列纽扣电池座是尺寸最小的钮扣电池座, 而 CR2032 型号 (BU2032SM-JJ-MINI-GTR) 距电路板的高度仅1.95毫米。 与市面上高度最低的普通 CR2032 电池座相比, 电路板高度节约了几乎3毫米。



迷你系列拥有所有纽扣电池座中最 小的尺寸。

Minisはあらゆるコイン電池ホルダー の中で基板からの高さが最小です。

Minisコイン電池ホルダー

Minisは、電池ホルダーの基板からの高さをほぼゼロにまで小さくします。PCB表面に小さな穴を開 けることによって、小型コイン電池ホルダーを回路基板の一部に取り付けることができます。これに よって電池ホルダーの基板からの高さは劇的に小さくなりますので、 Minis は実装基板の高さが最も重 視される用途に完全なソリューションを提供します。高圧湾曲接点の採用により、電池の安全かつ緊 密な接触を確保しながら、交換時の着脱作業も簡単にできます。Minisは基板からの高さが最も小さいコ イン電池ホルダーで、CR2032用 (BU2032SM-JJ-MINI-GTR) の高さは基板表面からわずか1.95 mmです。 これによって、市販されている従来型のCR2032用電池ホルダーと比べて、基板からの高さを約3mm も抑えることができます。

Individual drawings of our products are available online at www.batteryholders.com





Surface Mount

表面贴装



SnapDragon-SM patented



表面実装

BHSD-2032-SM low profile



BHSD-2032-COVER



BHSD-2032-L SnapDragon-L patented



BU2032SM-HD-G high retention



BU2032SM-JJ-GTR high retention



BU2032SM-BT-GTR



BU2032SM-G



BU2032SM-JJ-MINI-GTR recessed into pcb



BU2032SM-FH-GTR



BLP2032SM-GTR low profile



LP2032SM-JJ-GTR low profile



BA2032SM press to eject



BC2032-F1



BH-20H-1T

| SMD Holder Part Number | Lead-free Solder Process Compatible | Typical (20mm) Cell Number |
|---------------------------|--|-------------------------------|
| BHSD-2032-SM | \checkmark | CR2032 |
| BHSD-2032-L | \checkmark | CR2032 |
| BU2032SM-HD-G | \checkmark | CR2032 |
| BU2032SM-JJ-GTR | \checkmark | CR2032 |
| BU2032SM-G | \checkmark | CR2032 |
| BLI2032SMI.I-MINI-0 | STR ./ | CB2032 |

| SMD Holder Part Number | Lead-free Solder Process Compatible | Typical (20mm) Cell Number |
|---------------------------|--|-------------------------------|
| BU2032SM-BT-GTR | \checkmark | CR2032 |
| BU2032SM-FH-GTR | \checkmark | CR2032 |
| BLP2032SM-GTR | \checkmark | CR2032 |
| LP2032SM-JJ-GTR | \checkmark | CR2032 |
| BA2032SM | | CR2032 |
| BC2032-F1 | \checkmark | CR2032 |
| BH-20H-1T | \checkmark | CR2032 |

Coin Cell Holders

Surface Mount

表面贴装



SnapDragon-SM patented



BHSD-1225-SM Diameter: 12 mm



BHSD-1225-COVER



low profile

BC501SM

Diameter: 12 mm



BU1632SM-JJ-GTR Diameter: 16 mm



BU2450SM-JJ-G Diameter: 24 mm

| Part Number | Battery Diameter | Lead-free Solder Process Compatible | SMD | Typical Battery Part Number |
|-----------------|---------------------|--|--------------|-----------------------------|
| BC501SM | 12 mm | \checkmark | \checkmark | CR1220 |
| BHSD-1225-SM | 12 mm | \checkmark | \checkmark | CR1225 |
| BU1632SM-JJ-GTR | 16 mm | \checkmark | \checkmark | CR1632 |
| BLP2016SM-GTR | 20 mm | \checkmark | \checkmark | CR2016 |
| BU2450SM-JJ-G | 24 mm | \checkmark | \checkmark | CR2450 |



| Thru-hole Mount Part Number | Lead-free Solder Process Compatible | Typical (20mm) Cell Part Number |
|-----------------------------|--|---|
| BA2032 | | CR2032 |
| BU2032-1 | | CR2032 |
| BU2032-1-G | \checkmark | CR2032 |
| BU2032-1-HD-G | | CR2032 |
| BC2032-E2 | | CR2032 |
| BHSD-2032-PC | \checkmark | CR2032 |
| BH800S | | BR/CR/DL (2) 2025, 2032, 6V w. 2 batteries |

| Thru-hole Mount Part Number | Lead-free Solder Process Compatible | Typical (20mm) Cell Part Number |
|-----------------------------|--|------------------------------------|
| BS-3 | | CR2032 |
| BH32T-C | | BR/CR/DL 2016, 2020, 2032, 2040 |
| BH32T-C-HITE | \checkmark | BR/CR/DL 2016, 2020, 2032, 2040 |
| BH32T-C-G | | BR/CR/DL 2016, 2020, 2032, 2040 |
| BS-7 | | CR2032 |
| BVSD-2032-PC | \checkmark | CR2032 Vertical holder |
| BK-5058 | | CR2032 Vertical holder |
| BS-5 | | CR2032 Vertical holder |

Press to Eject CR2032 Coin Cell Holders (PTE)

MPD offers extremely reliable, corrosion resistant, press to eject (PTE) CR2032 coin cell holders. When a coin cell is pushed into the coin cell holder, it snaps into place. To remove the CR2032 battery simply press the plastic tab and the battery pops up. BA2032 and BA2032SM holders have low electrical resistance and offer redundancy.





New enclosed BQ2032-3 and BQ2032-6 are batteryholders for lithium CR2032 cells. These holders also accept the ever-popular BR2032, ML2032, LIR2032 batteries and are suitable for both consumer and industrial products. BQ2032-3 features a tact switch "on-off" button. The cover is safely kept closed with a snap-on feature over the battery and comes standard with 24 awg wire leads in 3" length.

Coin Cell Holders

Thru-hole Mount



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



BU1632-JJ-1-G Diameter: 16 mm



BH906S Diameter: 23 mm



BH908T-C Diameter: 23 mm



BH908T-C-HITE Diameter: 23 mm



BH1000G Diameter: 24 mm



BH1000S Diameter: 24 mm



BH2430T-C Diameter: 24 mm



BH2450T-C Diameter: 24 mm



BS-2450 Diameter: 24 mm



BH3000 Diameter: 30 mm

| Part Number | Battery | Lead-free Solder Process Compatible | SMD | Typical Battery Part Number |
|----------------|---------|--|-------|---|
| BH401 | 6-10 mm | Process Companie | SIVID | CR1025, 317, 319, 321, 361, 362, 364, 370, 371, 373, 377, 395, 396, 397, 399 Types: 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 | \checkmark | | 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-HITE | 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 | \checkmark | | 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 | \checkmark | | BR/CR/DL 2320, 2325, 2330, 2335 |
| BH1000G | 24 mm | | | BR/CR/DL 2477 |
| 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 | \checkmark | | BR/CR/DL 2420, 2430 |
| BH2450T-C | 24 mm | | | BR/CR/DL/LIR 2450 |
| BS-2450 | 24 mm | | | CR2450 |
| BH3000 | 30 mm | | | BR/CR 3032 |

Vertical Coin Cell Holders

Vertical Mount



BVSD-2032-PC



BVSD-2032-COVER



BS-5



BK-5058-SM w/ latch



BK-5058-4MM w/ latch



BS-1225-PC Diameter: 12 mm



BV-1632-G Diameter: 16 mm



RK-5058

BV-2450-PC Diameter: 24 mm

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, similar to the Minis family. This minimizes the increase in height, usually saving approximately 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。



BK-5058-SM是 MPD 推出的 最新直立式纽扣电池座。

BK-5058-SMはMPD 製の 垂直型コイン電池ホルダー 最新製品です。



The BK-5058-SM is our newest vertical coin cell holder.

Verticalsコイン電池ホルダー

Verticals are an excellent solution on cramped boards.

電子デバイスのサイズの小型化は進んでいますが、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、これまでにない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1cm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。



Coin Cell Retainers

Coin cell retainers offer a cost-saving alternative versus traditional battery holders. Stripped of their plastic carriers, coin cell retainers require fewer raw materials and manufacturing steps to manufacture than standard coin cell holders. This creates the potential for a highly simplified power management solution that is extremely lightweight, low profile, and very cost efficient. Elimination of the plastic carrier reduces profile by allowing the battery to rest directly on the PCB surface, where dual beam contacts create two distinct points of contact with one of the battery's two terminals. They deliver a redundant electrical connection that is unlikely to be broken even if the battery shifts its position due to shock or vibration.

MPD's high quality coin cell retainers are constructed of nickel-plated phosphor bronze, which provides continuous battery contact even under dynamic conditions. Phosphor Bronze offers superb spring qualities with good elasticity, high fatigue and corrosion resistance, wide temperature range, is non magnetic (Nickel is magnetic) and excellent solderability.

Coin cell retainers also require a conductive pad located on the PC board surface directly beneath the battery to create a contact point for the battery's opposite terminal.

コインセルリテイナーは、通常のバッテリーホルダーに対するコストの低い代用品です。プラスチック製のキャリヤーのないコインセルリテイナーを製造するには、標準のコインセルホルダーを製造するよりも少ない原料と製造過程で済みます。これにより、大変簡潔化された電力管理ソリューションが可能になり、非常に軽量薄型でコスト効率の高い製品が製造できるようになります。プラスチック製キャリヤーを取り払うと、バッテリーを直接PCBの表面に設置することができるので、厚みが薄くなります。デュアルビームコンタクトは、バッテリーターミナル二個の内の一個に二つの接点を作ります。電気が十分に接続されるので、衝撃や振動でバッテリーの位置が動いても、壊れることはありません。

MPDの高品質コインセルリテイナーは、ニッケルメッキを施したリン青銅製なので、動的条件の下でも継続的にバッテリー接点を作ることができます。リン青銅は優れた弾力性を有し、疲労抵抗と耐食性が高く、温度範囲が広く、非磁性があり(ニッケルは磁気を帯びています)、はんだぬれ性に優れています。

コインセルリテイナーは、PCボードの表面のバッテリーの真下に伝導パッドをつけて、バッテリーの反対側のターミナルに接点を作る必要があります。

与传统电池座相比,钮扣电池座提供了一种高性价比备选方案。移除塑料载体后,相比于标准钮扣电池座,钮扣电池座需要的原材料和制造步骤更少。这为高度简化的电源管理解决方案创造了可能性,该解决方案非常轻便,剖面低且更具性价比。除去塑料载体后,电池直接放置在PCB表面上,减少了抛面,其上的双梁接触件与电池的两个端子之一形成两个不同触点。触点提供冗余电气连接,即使电池由于冲击或振动而改变其位置,连接也不会中断。

MPD的高品质纽扣电池座由镀镍磷青铜制成,即使在动态条件下也能提供连续的电池接触。磷青铜具有极高弹力,弹性好,耐疲劳和耐腐蚀,温度范围宽,无磁性(镍是磁性的)和焊锡性良好。

钮扣电池座还需要位于电池正下方的PC板表面上的导电垫,以便为电池的相对端子创建接触点。



Surface Mounting Battery Retainer Contacts

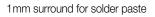


Battery Retainer Contacts with PC Pins

| PC插针 | Straps | Slim Profile | Performance | Additional | |
|------------------------|--------------|--------------|-----------------|---------------|-----------------|
| 12 mm CR1220 | BC-2011 | BK-917 | BK-890 | BK-941 | |
| 16 mm CR1632 | | | BK-869 | | BK-915-TR |
| 20 mm CR2032 | BC-2400 | BK-913 | BK-888 BK-888-G | BK-915 BK-921 | |
| 24 mm CR2450 | BC-2007 BC-2 | 015 BK-5033 | BK-880 | BK-951 | BK-913-TR Strip |

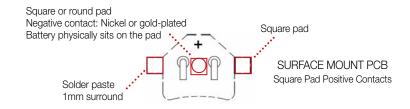
| MPD P/N | Cell Dia. He | eight Range | Typical Button-coin Cell Part Numbers |
|----------|--------------|--------------|---|
| BK-5091 | 11.6 mm | 5.4 mm | LR44, SR44, AG13, A76, 303, and 357 batteries |
| BK-890 | 12 mm | 1.6 - 2.5 mm | BR1220, BR1225, CR1220, CR1225, DL1225, ECR1220, ECR1225, ML1220 and VL1220 |
| BC-2011 | 12 mm | 2.0 - 2.5 mm | BR1220, BR1225, CR1216, CR1220, CR1225, DL1225, ECR1220, ECR1225, ML1220 and VL1220 |
| BK-917 | 12 mm | 1.6 - 2.5 mm | BR1220, BR1225, CR1216, CR1220, CR1225, DL1225, ECR1220, ECR1225, ML1220 and VL1220 |
| BK-941 | 12 mm | 1.6 - 2.5 mm | BR1225, CR1225, DL1225, LIR1225 and ML1220 |
| BK-869 | 16 mm | 2.0 - 3.2 mm | BR1620, BR1632, CR1620, CR1632, DL1620, DL1632, ECR1620, ECR1632, LIR1620 and LIR1632 |
| BK-5010 | 16 mm | 5.2 - 6.0 mm | V80H, V675H, A76, 357 and I-Buttons |
| BK-888 | 20 mm | 2.5 - 3.2 mm | BR2032, CR2032, DL2032, ECR2032 and LIR2032 and most 2025 cells |
| BK-888-G | 20 mm | 2.5 - 3.2 mm | BR2032, CR2032, DL2032, ECR2032 and LIR2032 and most 2025 cells |
| BK-913 | 20 mm | 2.0 - 3.2 mm | BR2032, CR2032, DL2032, ECR2032 and LIR2032 and most 2025 cells |
| BK-913-5 | 20 mm | 5.5 mm | BR2032, CR2032, DL2032, ECR2032 and LIR2032 and most 2025 cells |
| BK-915 | 20 mm | 2.5 - 3.2 mm | BR2032, CR2032, DL2032, ECR2032 and LIR2032 and most 2025 cells |
| BK-921 | 20 mm | 2.5 - 3.2 mm | BR2032, CR2032, DL2032, ECR2032 and LIR2032 and most 2025 cells |
| BC-2400 | 20 mm | 2.5 - 3.2 mm | BR2032, CR2032, DL2032, ECR2032 and LIR2032 and most 2025 cells |
| BK-889 | 23 mm | 2.0 - 3.0 mm | BR2320, BR2325, BR2330, CR2320, CR2325, CR2330, LIR2320, LIR2325, LIR2330, VL-2320, VL-2325 and VL-2330 |
| BK-881 | 23 mm | 5.4 mm | CR2354 |
| BK-887 | 24 mm | 2.0 - 3.0 mm | CR2430, DL2430, ECR2430 and LIR2430 |
| BK-880 | 24 mm | 5.0 mm | BR2450, CR2450, DL2450 ECR2450, and LIR2450 |
| BK-951 | 24 mm | 5.0 mm | BR2450, CR2450, DL2450 and LIR2450 |
| BC-2007 | 24 mm | 5.0 mm | BR2450, CR2450, DL2450 ECR2450, and LIR2450 |
| BC-2015 | 24 mm | 2.0 - 3.0 mm | CR2430, DL2430, ECR2430 and LIR2430 |
| BK-5033 | 24 mm | 5.0 mm | BR2450, CR2450, DL2450 ECR2450, and LIR2450 |

Solder paste locations for mounting retainers



THROUGH HOLE PCB Mounts Through Holes in Board







Gliders

Quick and Simple Coin Cell Replacement that Locks Securely





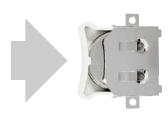




Shock and Vibration Resistance











Glide the Tray into Retainer

Securely Lock in Retainer

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

Surface Mounting Gliders

| MPD P/N | Cell Dia. | Height Range | Typical Button-coin Cell Part Numbers |
|--------------|-----------|--------------|---|
| BHX1-LR44-SM | 11.5 mm | 4.9 - 5.4 mm | LR44, SR44, A76, AG13 and 303 |
| BHX1-1025-SM | 10 mm | 2.2 - 2.5 mm | BR1025, CR1025 and MS920SE |
| BHX1-1225-SM | 12 mm | 2.0 - 2.5 mm | BR1220, BR1225, CR1220, CR1225, DL1225, ECR1220, ECR1225, ML1220 and VL1220 |
| BHX1-1620-SM | 16 mm | 2.0 - 3.2 mm | BR1620, BR1632, CR1620, CR1632, DL1620, DL1632, ECR1620, ECR1632, LIR1620 and LIR1632 |
| BHX1-1632-SM | 16 mm | 2.0 - 3.2 mm | BR1620, BR1632, CR1620, CR1632, DL1620, DL1632, ECR1620, ECR1632, LIR1620 and LIR1632 |
| BHX1-F3-SM | 16 mm | 4.9 - 5.4 mm | F3 Ibutton and A76 |
| BHX1-5.8-SM | 16 mm | 5.4 - 6.0 mm | V80H or CP1654 and F5 ibutton |
| BHX1-2032-SM | 20 mm | 2.0 - 3.2 mm | BR2032, CR2032, DL2032, ECR2032, LIR2032 and most 2025 cells |
| BHX2-2032-SM | 20 mm | 5.4 - 6.4 mm | BR2032, CR2032, DL2032, ECR2032 and LIR2032 |
| BHX1-2325-SM | 23 mm | 2.0 - 3.2 mm | BR2320, BR2325, BR2330, CR2320, CR2325, CR2330, LIR2320, LIR2325, LIR2330, VL-2320, VL-2325 and VL-2330 |
| BHX1-2430-SM | 24 mm | 2.0 - 3.2 mm | CR2430, DL2430, ECR2430 and LIR2430 |
| BHX1-2450-SM | 24 mm | 4.7 - 5.3 mm | BR2450, CR2450, DL2450, ECR2450 and LIR2450 |
| BRX1-2477-SM | 24 mm | 7.0 - 7.7 mm | BR2477, CR2477 |
| | | | |



BHX1-1025-SM



BHX1-2032-SM with Glider Tray



BHX1-2032-SM



BRX1-2450-SM



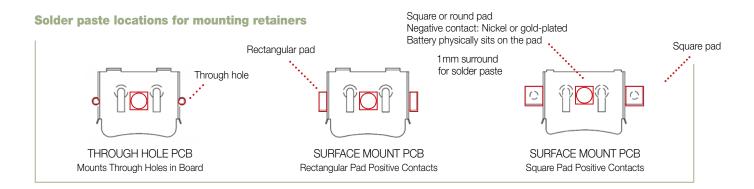


Gliders

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.





Thru-hole Mounting Gliders

| MPD P/N | Cell Dia. | Height Range | Typical Button-coin Cell Part Numbers |
|--------------|-----------|--------------|---|
| BHX1-LR44-PC | 11.5 mm | 4.9 - 5.4 mm | LR44, SR44, A76, AG13 and 303 |
| BHX1-1025-PC | 10 mm | 2.2 - 2.5 mm | BR1025, CR1025 and MS920SE |
| BHX1-1225-PC | 12 mm | 2.0 - 2.5 mm | BR1220, BR1225, CR1220, CR1225, DL1225, ECR1220, ECR1225, ML1220 and VL1220 |
| BHX1-1620-PC | 16 mm | 2.0 - 3.2 mm | BR1620, BR1632, CR1620, CR1632, DL1620, DL1632, ECR1620, ECR1632, LIR1620 and LIR1632 |
| BHX1-1632-PC | 16 mm | 2.0 - 3.2 mm | BR1620, BR1632, CR1620, CR1632, DL1620, DL1632, ECR1620, ECR1632, LIR1620 and LIR1632 |
| BHX1-5.8-PC | 16 mm | 5.4 - 6.0 mm | V80H or CP1654 and F5 ibutton |
| BHX1-2032-PC | 20 mm | 2.0 - 3.2 mm | BR2032, CR2032, DL2032, ECR2032, LIR2032 and most 2025 cells |
| BHX2-2032-PC | 20 mm | 5.4 - 6.4 mm | BR2032, CR2032, DL2032, ECR2032 and LIR2032 |
| BHX1-2325-PC | 23 mm | 2.0 - 3.2 mm | BR2320, BR2325, BR2330, CR2320, CR2325, CR2330, LIR2320, LIR2325, LIR2330, VL-2320, VL-2325 and VL-2330 |
| BHX1-2430-PC | 24 mm | 2.0 - 3.2 mm | CR2430, DL2430, ECR2430 and LIR2430 |
| BHX1-2450-PC | 24 mm | 4.7 - 5.3 mm | BR2450, CR2450, DL2450 ECR2450 and LIR2450 |
| | | | |



Insert Coin Celll into the Tray



BHX1-2450-PC



Glide the Tray into the Retainer



Click Closed to Lock

Individual drawings of our products are available online at www.fuseholders.com



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,不仅具备钮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钮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,允许多个钮扣电池的串联式连接,适用于更高电压的设备。滑动式系列的钮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。

电池扣,咔嗒一 具, MEMORY PROTECTION DESIGNATION DESIGNATION

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

滑动式系列钮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。

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。

Surface Mount Glider Tape Reels



| Surface Mount Glider Tape and Reel Part Number | Accepts Coin Cell Number | Glider Tray Separate Part Number |
|--|--------------------------|----------------------------------|
| BRX1-1632-SM (retainer only) | BR1632, CR1632 | BRX1-0005 |
| BRX1-2032-SM (retainer only) | BR2032, CR2032, DL2032 | BRX1-0003, Tray for BRX1-2032-SM |
| BRX1-2450-SM (retainer only) | BR2450, CR2450, DL2450 | BRX1-0002, Tray for BRX1-2450-SM |
| BRX1-2477-SM (retainer only) | BR2477, CR2477, DL2477 | BRX1-0001, Tray for BRX1-2477-SM |



BRX1-2032-SM



429

BRX1-2450-SM





BRX1-2477-SM w. BRX1-0001

Lithium Coin Cell Negative Contacts







BK-2982

1/2AA-Cell Holders







6S-1/2AA



815-0931 with cover without cover



BH1/2AA-SM

2/3A or 123A-Cell Holders



N-Cell Holders

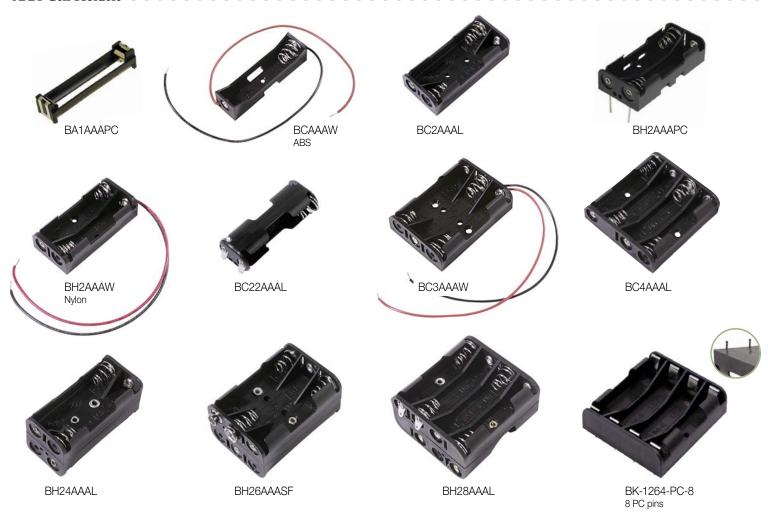


6 Volt Holders



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

AAA-Cell Holders



AAA Covered Battery Holders



AAAA Battery Holders











BK-18650-PC4



Our lithium-ion 18650 holders and our 14250 holders are designed for cells with built-in protection circuit modules (PCMs). Standard lithium-ion 18650 and 14250 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 lithium-ion cells with built-in PCMs, which are available from several well-known companies.







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 1.5 mm。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)的掛載點,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3000 mAha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1.5 mm 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認定のプラスティック筐体は、軽量化を実現しながら、電子装置に通常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 × 21 mm(長さ×幅)、厚さは22 mm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2400~3000 mAh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。

Individual drawings of our products are available online at www.batteryholders.com





A-Cell Holders

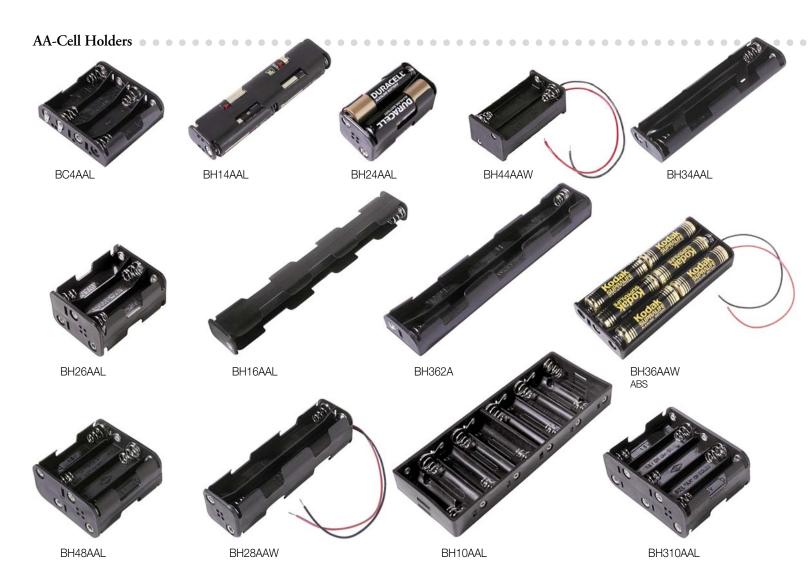


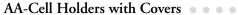
AA-Cell Holders



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









AA Spring-Less Holders











w. 2 PC pins



BA2AAPC







BA3AAPC w. ABG-47





BK-1280-PC6

w. 2 PC pins



w. 2 PC pins





AA Retainer Straps









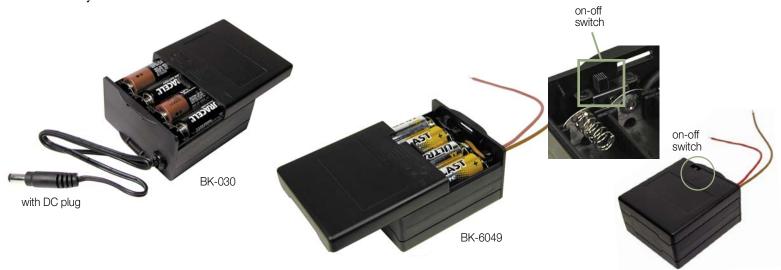
Individual drawings of our products are available online at www.batteryholders.com



Ultra-reliable Holders with Dual Pressure Contacts



8 AA Battery Pack



Mylar Battery Insulators



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

Individual drawings of our products are available online at www.batteryholders.com

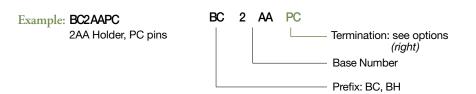




C-Cell Holders



Part No. Ordering Information



Termination options:

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

Individual drawings of our products are available online at www.batteryholders.com







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

9 Volt Snaps

9 Volt Snaps

Printed Circuit 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.

Heavy Duty 9 Volt Snap

9 Volt Snaps

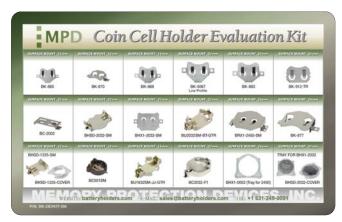


Development Kits

MPD was the original patentee and inventor of holders for lithium coin cell batteries back in 1980. Now with over 30 years of experience behind us we have introduced Snap Dragon, Mini's, Gliders, Retainers, and Ultra Low Profile holders all of which have dramatically increase the reliability of coin cell holders. Our designs have advanced battery holder technologies and are widely used in thousands of everyday products.



MPD offers typical sets of battery holders and battery retainers as development tools that assists OEMs in their ability to create new products over a wide variety of industries. Our holders, with their advanced functionalities, enrich the possibilities to design products that need to function in other than normal conditions, such as, within constricted spaces or under adverse environmental conditions. The kits provide the hardware that you need to speed up prototyping and time to evaluate your new product design allowing the opportunity to flush out features that conflict with, or detract from, your product's intended purpose.



The mixed assortment of batteryholders and retainers shown here, are a couple of MPD's typical evaluation kits that we've created to expand your product design possibilities.





P/ N BK-DEVKIT-PC
Thru-Hole Contacts Sample Kit

MPD continues to provide innovative solutions in response to the ever-increasing demand to meet the evolving needs of industry. Take advantage and see how our new designs can benefit you in the development of your new products. Call us to recieve your development kit.

| MPD P/N | Sample Kit Description |
|--------------|--|
| BK-DEVKIT-SM | SMD batteryholders and contacts sample kit |
| BK-DEVKIT-PC | Thru-hole batteryholders and contacts sample kit |

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



Battery Contacts

AAAA cell Contacts























BK-6112

ABG-02

BK-6113

ABG-96 POS

ABG-96 NEG BK-6175 1144-06-01-G 1116-1

ABG-147 ABG-165

surface mounting- off board

表面贴装 表面実装

AAA cell Contacts















SN-T7-01A

SN-T7-01B

SN-T7-02A

BK-5003

BK-82

BK-6178

BK-6179













SN-T7-05A

SN-T7-06A

BK-202

BK-204

BK-6180

BK-6181

AA cell Contacts





BK-209



BK-228



SN-T5-1



SN-T5-2









BK-57-TR

SN-T5-3

SN-T5-4





BK-628

C cell Contacts







D cell Contacts

BK-874







SN-T8-1



Contact Springs

BCAAA













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.







BK-6002 BK-6005

BK-6009

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.



BK-6001







BK-6003

BK-6007 B

BK-6004 w. 3AG Fuse

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.









BK-6008

BK-6011

BK-6012

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.





BK-6010

BK-6013

Fuse Clips and Fuse Holders

| BK-6001 | Snap-in 3AG, PC clip for 1/4" diameter fuse |
|---------|---|
| BK-6002 | Snap-in 2AG, PC clip for 5mm 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-6007 | Traditional 3AG, PC clip for 1/4" diameter fuse |
| BK-6009 | PC clip for 5 mm diameter fuse |

Automotive Blade Fuse Clips

| BK-6006 | Fuse clip for .205" x .025" standard blade fuses |
|---------|---|
| BK-6008 | Fuse clip for .110" x 032" mini blade fuses |
| BK-6010 | Fuse holder for .205" x .025" standard blade fuses |
| BK-6011 | Fuse vertical holder for .10" x .032" mini vertical blade |
| BK-6012 | Fuse clip for .205" x .025" standard blade fuses |
| BK-6013 | Fuse holder for .110" x" 032" mini blade fuses |

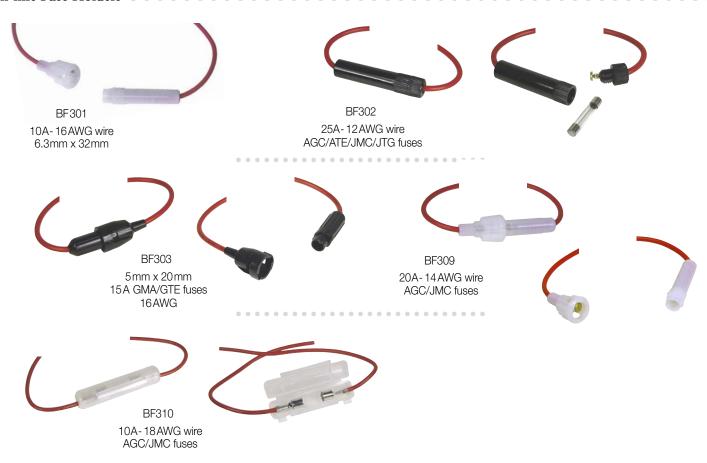
In-line Fuse Holders



In-line Fuse Holders

| BF301 | In-line fuse holder, 10 A-16 AWG wire, add your own 6.35 x 30 mm fuses |
|-------|--|
| BF302 | In-line fuse holder, 25 A-12 AWG wire, AGC/ATE/JMC/JTG |
| BF303 | In-line fuse holder, 15A-16AWG wire, add your own 5 x 20 mm fuses |
| BF309 | In-line fuse holder, 20 A-14 AWG wire, AGC/JMC fuses |
| BF310 | In-line fuse holder, 10 A-18 AWG wire, AGC/JMC fuses |

In-line Fuse Holders



In-line Blade Fuse Holders

Automotive and Marine Fuse Holders

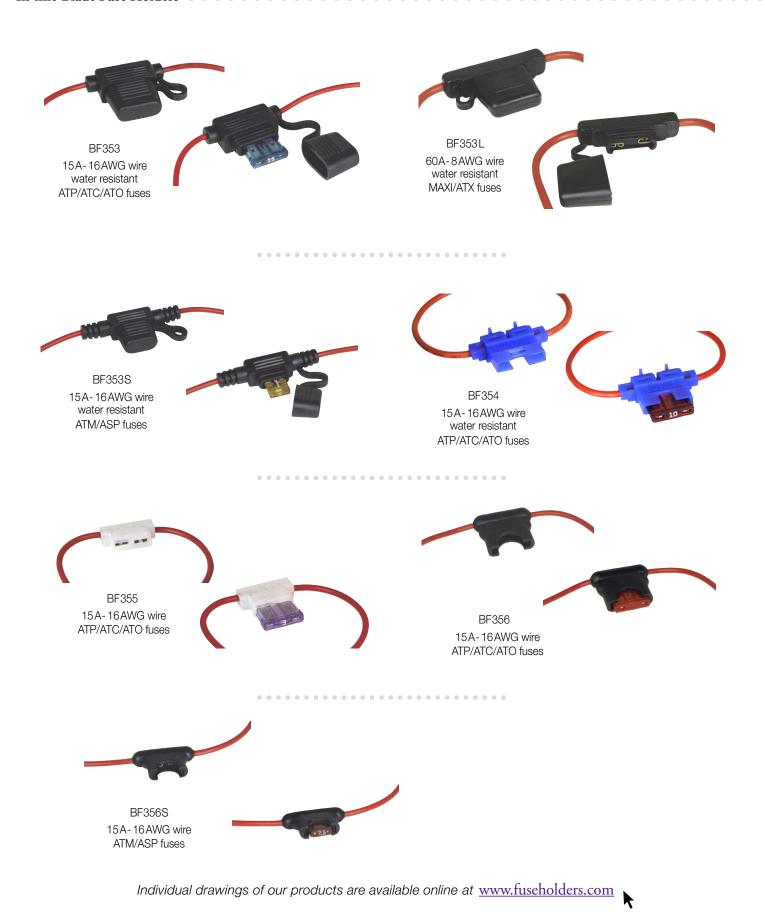
Blade fuse holders are a reliable and cost-effective solution to protect equipment and electrical applications from damage caused by blown circuits. Fuses are an ideal alternative to circuit breakers because of their small size and ability to protect multiple circuits within a small space. MPD has a wide variety of automotive and marine fuse holders that you can choose from.



In-line Blade Fuse Holders

| BF351 | 25A-12AWG wire- water resistant- ATP/ATC/ATO fuses |
|--------|--|
| BF352 | 15A-16AWG wire- ATP/ATC/ATO fuses |
| BF353 | 15A-16AWG wire- water resistant- ATP/ATC/ATO fuses |
| BF353L | 60 A-8 AWG wire- water resistant- MAXI/ATX fuses |
| BF353S | 15A-16AWG wire- water resistant- ATM/ASP fuses |
| BF354 | 15A-16AWG wire- water resistant- ATP/ATC/ATO fuses |
| BF355 | 15A-16AWG wire- ATP/ATC/ATO fuses |
| BF356 | 15A-16AWG wire-ATP/ATC/ATO fuses |
| BF356S | 15A-16AWG wire- ATM/ASP fuses |
| | |







| Global Catalog Distributors | - M. II . I | (000) 6 11 1555 | |
|---|---|----------------------------------|---|
| Digi-Key | Worldwide | (800) 344-4539 | www.digikey.com/us/en/International/global.html |
| Online Components | Online | (888) 906-8217 | www.onlinecomponents.com |
| North American Distributors | Canada (Mantraal OC) | E14 740 7040 | |
| ElectroSonic | Canada (Montreal QC) | 514-748-7942 | www.e-sonic.com |
| ElectroSonic ElectroSonic | Canada (Markham, ON) Canada (Vancouver, BC) | 905-946-0500 | www.e-sonic.com |
| nventus Power | Mexico (Tijuana) | 604-273-2911 (52) 6642314832 | www.e-sonic.com |
| Master Electronics | Mexico (Tijuana) Mexico (Zapopan) | (33) 21534181 | www.inventuspower.com www.masterelectronics.com |
| | | • • | |
| Custom Power LLC | USA (Fountain Valley, CA) | 1-800-432-3385 | www.custompower.com |
| Excel Components & Supply Inventus Power | USA (Holtsville, NY) | 1-631-475-1100 1-630-410-7900 | www.excelcomp.com |
| Master Electronics | USA (Woodridge IL) | 1-602-267-1111 | www.inventuspower.com |
| Master Electronics Master Electronics | USA (Phoenix AZ) USA (Eden Prairie ,MN) | 1-952-944-2151 | www.masterelectronics.com www.masterelectronics.com |
| | , , | | |
| Master Electronics | USA (Tampa, FL) | 1-813-814-2900 | www.masterelectronics.com |
| Master Electronics Master Electronics | USA (Santa Clara, CA) USA (Bohemia, NY) | 1-408-970-8090 1-631-434-9394 | www.masterelectronics.com www.masterelectronics.com |
| Master Electronics | | | |
| | USA (Redmond, WA) | 1-425-821-5454 | www.masterelectronics.com |
| Master Electronics | USA (Santa Monica, CA) | 1-310-452-1229 | www.masterelectronics.com |
| Master Electronics | USA (Miami, FL) | 1-305-638-2000 | www.masterelectronics.com |
| Progressive Technologies | USA (Pilot Mountain, NC) | 1-336-368-1380 | www.protechnologies.com |
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| HT Componenti Elettronici srl | Italy (Firenze) | (39) 055430310 | it.kompass.com/c/ht-componenti-elettronici-srl/it0179298/ |
| Nedelko | Netherlands (Barendrecht) | (31) 180645400 | www.nedelko.nl |
| Quartz Store Chain | Russian Federation (Moscow) | (7)-495-963-61-20 | www.quartz1.com |
| Flexitron | Sweden (TRANÅS) | (46) 087328560 | www.oemelectronics.se/leverantorer/mpd |
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| QuadRep | Philippines (Las Piñas City) | (63) 28052879 | www.quadrep.com.sg |
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| QuadRep | Singapore (Singapore) | (65) 63461933 | www.quadrep.com.cn |
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