

P/N BA1AAAPC, AAA battery holder with ultra low profile

Memory Protection Devices introduces part number BA1AAAPC, an ultra low profile battery holder for AAA batteries. Since the battery is even with the underside of the battery holder, it adds no height to a AAA battery, sitting at <10.5 mm above board height. Dual printed circuit pins allow quick pcb mounting by wave soldering. Gang multiple units together thru the pcb for serial or parallel connectivity, making circuit designing easier.

The holders body is made using polypropylene which has high heat resistance and good stiffness. This type of polypropylene has a Vicat softening temperature of 155°C per ISO 306. It is FDA approved for repeated food contact per 21 CFR 177.1520 and does not support organic growth.

The choice of battery contact is often a price-driven decision. Spring contacts provide a good solution at a lower cost. However, there is a trade-off regarding the reliability of the electrical connection. Spring loaded batteries can shift and create an intermittent connection or become totally dislodged when subjected to shock and vibration.

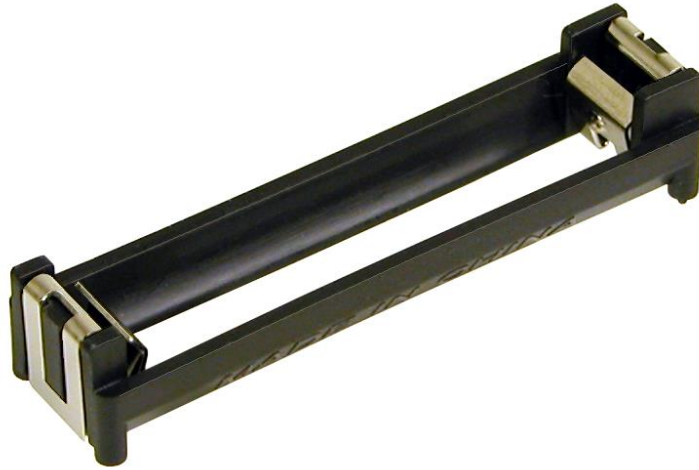
Our two pressure contact design is an alternative as they move with the battery to keep constant contact with cells. Passing standard shock, drop and vibration testing which gives flexibility in applications, placement and reliability. Stainless steel terminals offer a good balance of mechanical characteristics. It is a widely used material and has excellent corrosion resistance, high strength and ductility, plus resists oxidation at high temperatures. While light in weight at 2.5 grams, it's rugged enough for industrial applications.

Primary alkaline AAA batteries offer 1.5 volts, weigh around 11.5g and offer from 860 to 1200 mAh typically. AAA P/N's MN2400, UM-4, 24A, LR03, E92, 824, 4003 and AM4 are available worldwide.



MEMORY PROTECTION DEVICES, INC.

an ISO 9001:2000 company



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