



Press Release

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New latching lithium coin battery retainers from MPD

MPD's new editions to its widely regarded series of lithium coin cell retainers now feature locking tabs. These retainers offer great performance versus competing designs and at a very low acquisition cost. This makes them particularly suitable for consumer products, hand held devices, RFID, Bluetooth and other price sensitive applications. The part numbers are, BK-920, BK-921, BK-940, BK-941, BK-950 and BK-951. Please see the table below for details.

The lithium battery retainer has easy leads to solder and is made of nickel-plated phosphor bronze. Phosphor Bronze offers superb spring qualities with good elasticity, high fatigue and corrosion resistance, wide temperature range, is nonmagnetic (Nickel is magnetic) and excellent solderability. Its bifurcated contacts are optimized to keep a tight connection with the battery and of course have low electrical resistance. Shock and vibration resistant per EIA-364 assures designers of trouble-free use in coin cell applications. In this design, cells are easily changed without tools or instructions, with simple coin cell exchanges. P/N BK-920 for CR2032 cells is compact in size at 24.9 mm length by 19.3 mm width and under 3.6mm high.

- Packaged on tape and reel or bulk packaging.
- Low cost to acquire
- Bifurcated contacts
- Ultra light weight, 0.86g
- Low profile, <3.6mm H.
- Phos-Bronze with nickel plating

MPD'S 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 negative terminal.

P/N.	Termination.	Typical batteries.			
BK-920	SMT	CR2032	BR2032	DL2032	LIR2032
BK-921	PC Pins	“	“	“	“
BK-940	SMT	CR1225	BR1225	DL1225	LIR1225
BK-941	PC Pins	“	“	“	“
BK-950	SMT	CR2450	BR2450	DL2450	LIR2450
BK-951	PC Pins	“	“	“	“

Add suffix -TR for tape and reel packaging

Typical lithium coin cells used in the BK-920 retainer include the ever popular CR2032 cells as well as BR2032 and DL2032 batteries.

Rechargeable types include ML2032, VL2032 and LIR2032 batteries.

The BK-920 also accepts other types of batteries with a height of 3.2 mm.

Typically, CR2032 batteries offer 240 mAh and are targeted for applications like medical devices, security devices, fitness devices and consumer electronics.

Volume discounts are available, and delivery is normally from distributor stock or after a short waiting period.

