

### 97-487/488 COIN BATTERY APPLICATIONS

These contacts are surface mount soldered to a PC board. Separately mounted contacts can be positioned to accommodate a wide range of battery sizes. The coin battery is captivated by the device housing and held in contact. These contacts are provided with gold plating as standard.

Typical applications for the 97-487/488 contacts are low powered portable devices, such as pocket organizers, portable medical devices and any device that uses coin batteries.

### 97-489 BATTERY PACK CONTACTS

These contacts are soldered onto a PC board and protrude through cutouts in a plastic housing. Contact is made as the prismatic battery pack mates with the housing and pushes the contacts back into the cutouts.

The contacts are provided with nickel plating as standard. Gold plating is available.

Typical applications for the 97-489 contacts are portable devices with removable battery packs, such as video cameras, radios, power tools, etc.

### 97-490 AA/AAA BATTERY CONTACT APPLICATIONS

These contacts mount onto a PC board and protrude into a cutout at the end of a battery well. Backup ribs must be provided in the plastic molding. The contacts are provided with nickel plating as standard. Gold plating is optionally available.

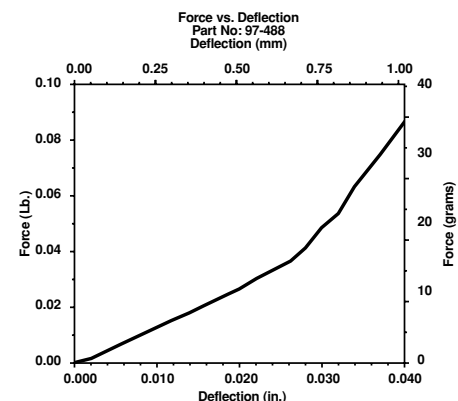
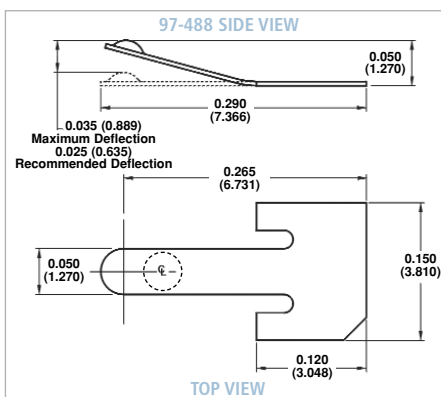
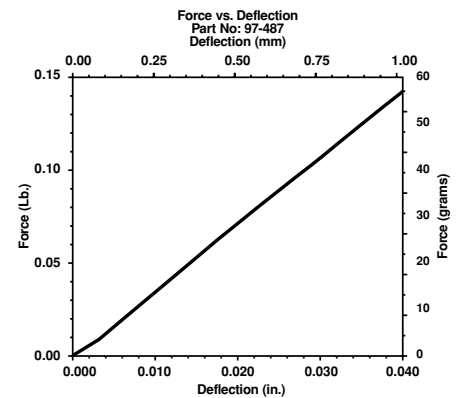
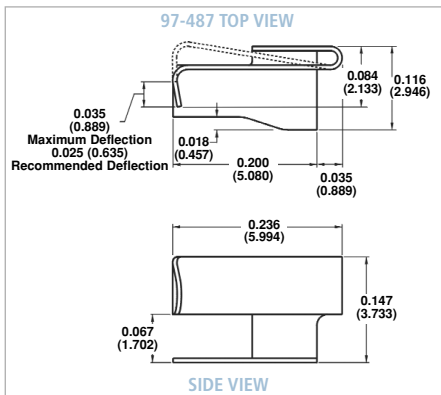
Built-in stop protects over-compression damage. Applications would include any device using AA or AAA batteries, particularly devices with high mechanical and electrical performance such as medical, GPS and surveying instruments.

Laird Technologies announces the addition of a battery contact product line. These high-performance battery contacts are suitable for coin battery applications, battery pack contact applications and AA/AAA battery applications.

Supplied in heat treated beryllium copper, the contacts offer superb contact force and a large compression range. Heat treatment of beryllium copper significantly reduces the material's internal stress, thereby allowing a wide range of compression to accommodate variations in battery size and placement.

- All contacts are surface mounted and require solder pads, except for 97-490 which is thru-pin mounted and requires mount holes
- Available in tape and reel packaging for high volume pick-and-place assembly
- Available in a variety of plated finishes for galvanic compatibility
- Custom designs can be developed by calling our application engineers

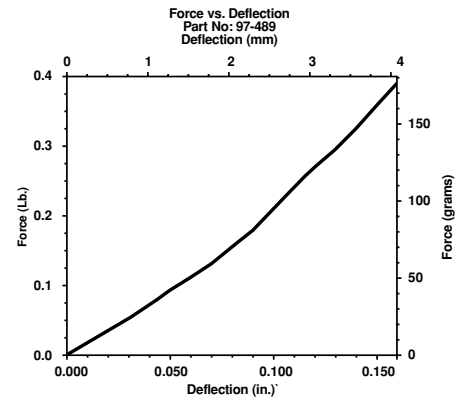
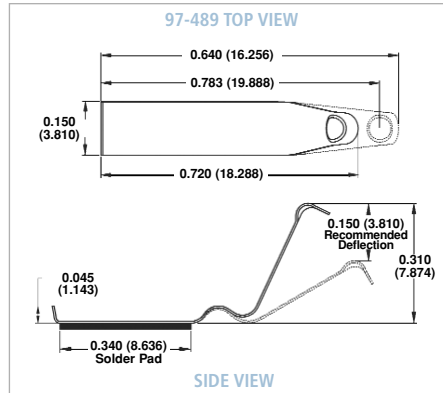
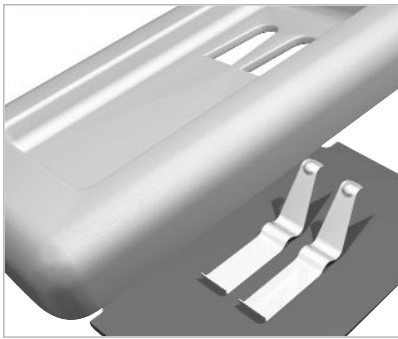
### 97-487/97-488 COIN BATTERY APPLICATIONS



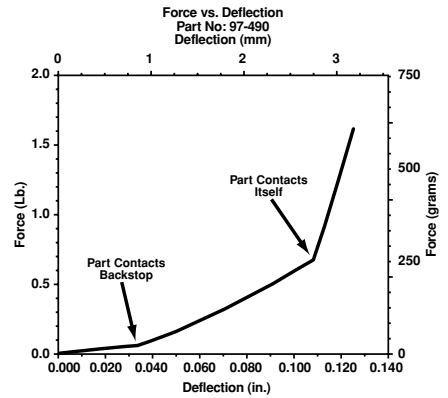
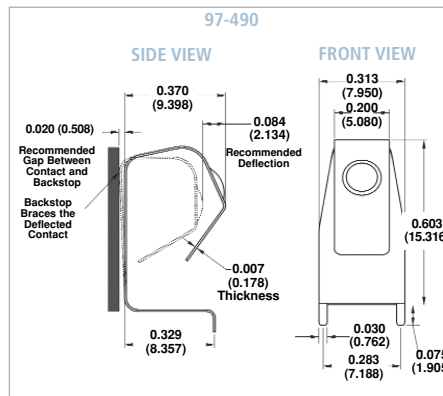
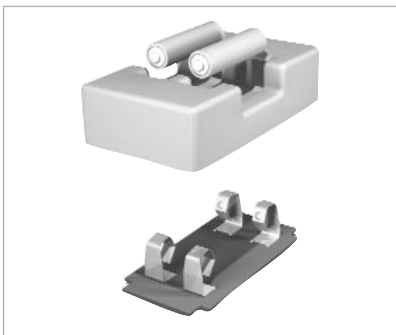
All dimensions shown are in inches (millimeters) unless otherwise specified.



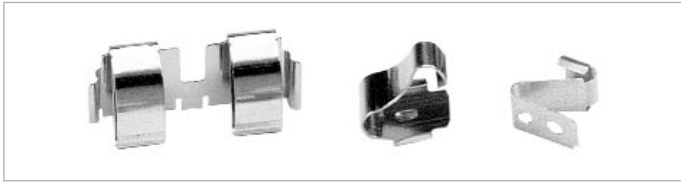
**97-489 BATTERY PACK CONTACTS**



**97-490 AA/AAA BATTERY CONTACT APPLICATIONS**



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**STANDARD PRECISION ELECTRONIC CONTACTS**

Laird Technologies' standard precision electronic contacts ground, carry current and signals, and interconnect boards and devices. We offer a wide choice of plating options to allow for the maximum electrical current carrying performance. We have a wide array of designs in standard format that are ready for production. Installed costs are lowered with our tape and reel packaging format.

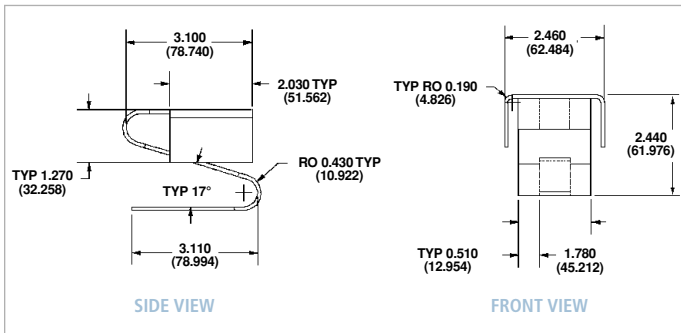
**STANDARD PRECISION ELECTRONIC CONTACTS MATERIAL VARIATIONS**

CONTACTS	MATERIAL	AVAILABLE PLATINGS	TYPICAL APPLICATIONS	PARTS PER REEL
BMIC-001	0.100 mm BeCu	Nickel, tin, gold	Grounding, energy carrying	3000
BMIC-004	0.100 mm BeCu	Nickel, gold	Grounding, energy carrying	1400
BMIC-007-01	0.130 mm BeCu	Copper, tin	Grounding, energy carrying	2300
BMIC-010-*	0.200 mm Spring Steel	Tin	Standoff, support	3500

Material properties are for reference only. Product testing by purchaser is recommended to confirm. Laird Technologies assumes no liability for product failure unless specifically stated in writing.

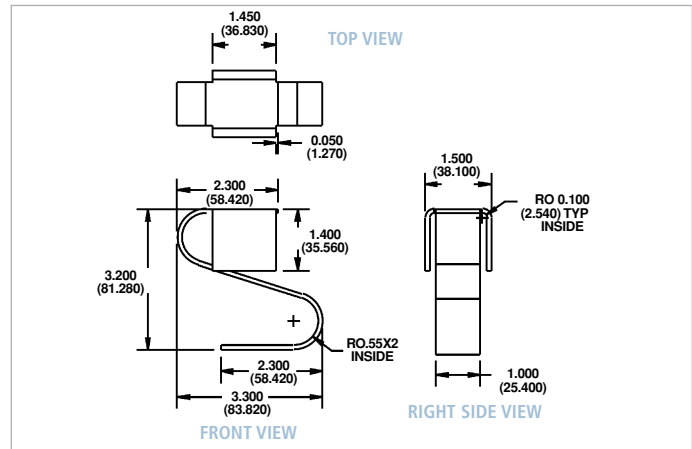
**PART NO. BMIC-001**

CONTACTS	MATERIAL	AVAILABLE PLATINGS	TYPICAL APPLICATIONS	PARTS PER REEL
BMIC-001	0.100 mm BeCu	Nickel, tin, gold	Grounding, energy carrying	3000



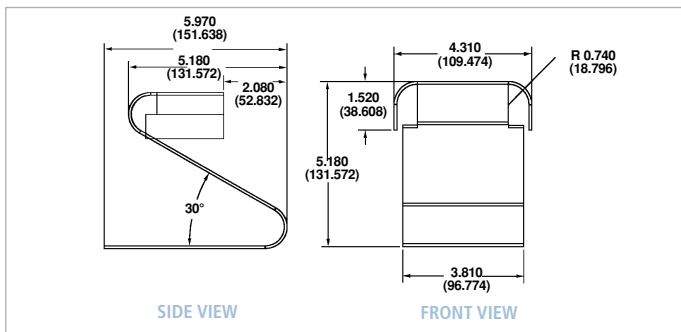
**PART NO. BMIC-007-01**

CONTACTS	MATERIAL	AVAILABLE PLATINGS	TYPICAL APPLICATIONS	PARTS PER REEL
BMIC-007-01	0.130 mm BeCu	Copper, tin	Grounding, energy carrying	2300



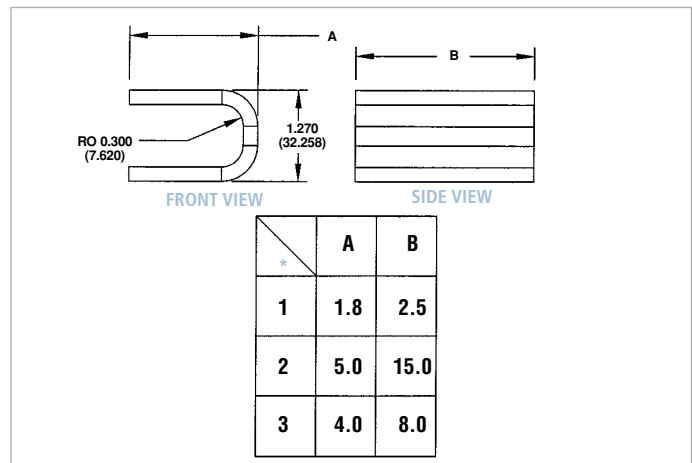
**PART NO. BMIC-004**

CONTACTS	MATERIAL	AVAILABLE PLATINGS	TYPICAL APPLICATIONS	PARTS PER REEL
BMIC-004	0.100 mm BeCu	Nickel, gold	Grounding, energy carrying	1400



**PART NO. BMIC-010-\***

CONTACTS	MATERIAL	AVAILABLE PLATINGS	TYPICAL APPLICATIONS	PARTS PER REEL
BMIC-010-*	0.200 mm Spring Steel	Tin	Standoff, support	3500



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