



Designers' Choice

BATTERY CONTACTS

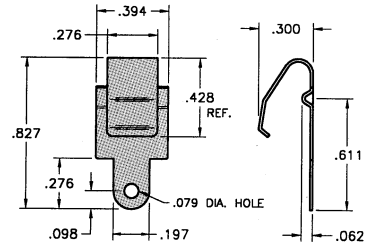
BATTERY SPRING & BUTTON CONTACTS

- Economical and reliable contacts are ideal for molded cases with self contained battery compartments
- Single and dual contact designs available for "A", "AA", "AAA", "AAAA" & "N" size batteries
- "Solder tab" design for either wire lead or PC mounting
- Unique spring contacts adjust to variations in battery lengths
- Reliable spring contacts assure low contact resistance and a dependable connection
- Space saving, economical, excellent mechanical construction

SPRING CONTACT FOR "A" • "AA" • "9V" SIZES

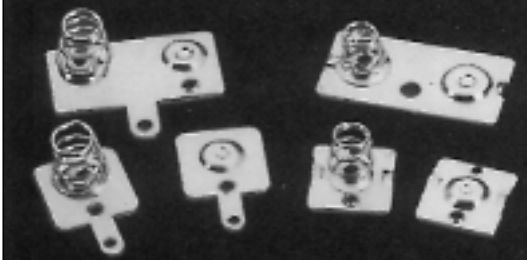


MATERIAL: .012 Phosphor Bronze, Nickel Plate



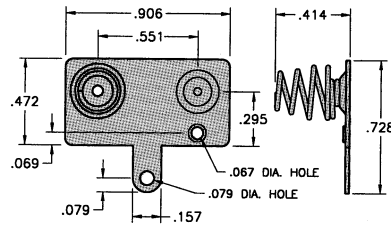
CAT. NO. 5209

BATTERY CONTACTS FOR "A" • "AA" SIZES



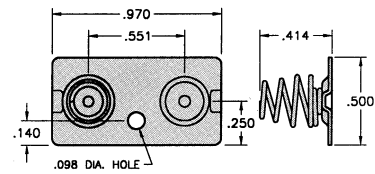
MATERIAL:
Plate: .020 Steel, Nickel Plate
Spring: Spring Steel, Nickel Plate

Dual Contact w/Tabs



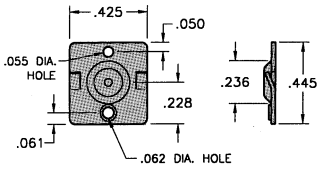
CAT. NO. 5211

Dual Contact



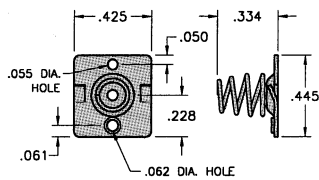
CAT. NO. 5212

(+) Positive Button



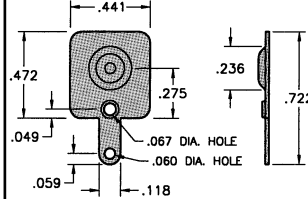
CAT. NO. 5224

(-) Negative Spring



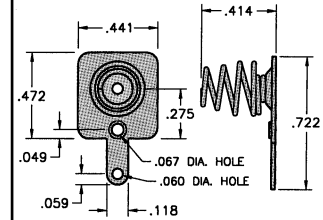
CAT. NO. 5202

(+) Positive Button w/Tabs



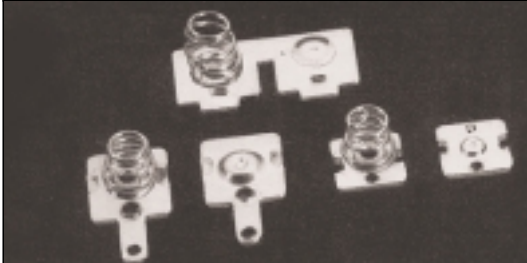
CAT. NO. 5223

(-) Negative Spring w/Tabs



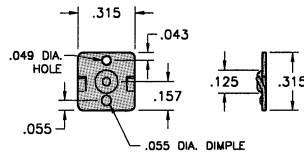
CAT. NO. 5201

BATTERY CONTACTS FOR "AAA" • "AAAA" • "N" SIZES



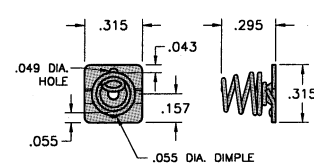
MATERIAL:
Plate: .020 Steel, Nickel Plate
Spring: Spring Steel, Nickel Plate

(+) Positive Button



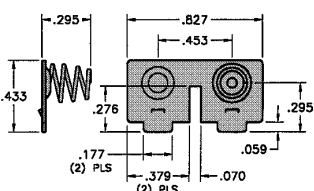
CAT. NO. 5225

(-) Negative Spring

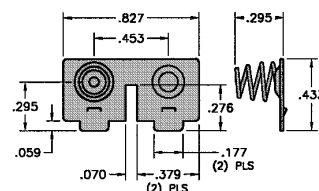


CAT. NO. 5203

Dual Contact

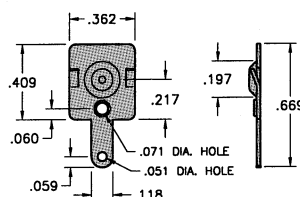


CAT. NO. 5214 (Left Side)



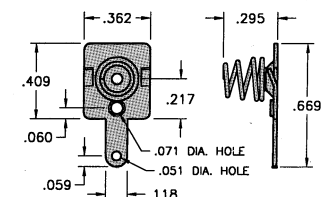
CAT. NO. 5213 (Right Side)

(+) Positive Button w/Tabs



CAT. NO. 5226

(-) Negative Spring w/Tabs



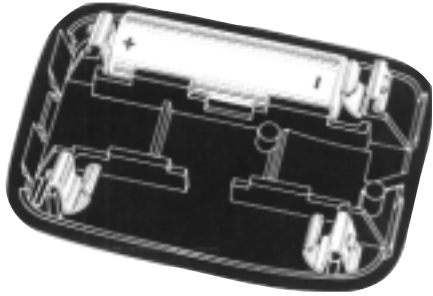
CAT. NO. 5204

BATTERY CONTACTS

Designers' Choice

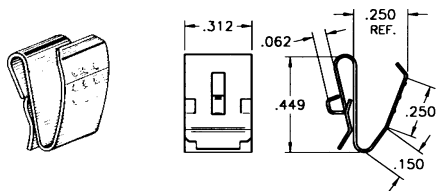


SNAP-ON CONTACTS FOR "A" • "AA" • "AAA" • "AAAA" • "N" SIZES



- Economical and reliable contacts are ideal for molded cases with self contained battery compartments
- Single & dual contact designs available for "A" • "AA" • "AAA" • "AAAA" • "N" size batteries
- Solder "ear" to facilitate soldering of wire lead
- Unique spring tension contact adjusts to variations in battery length
- Reliable spring tension contacts assure low contact resistance
- Clips easily onto .060 to .070 thick panel edges
- Sharp barbs securely anchor contact in place

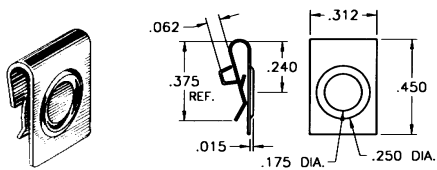
For "A" • "AA"



CAT. NO. 209

MATERIAL
.012 Spring Steel,
Nickel Plate

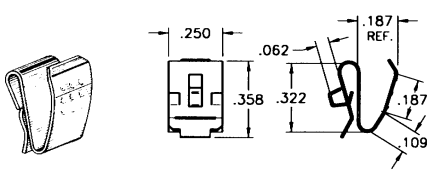
For "A" • "AA"



CAT. NO. 228

MATERIAL
.010 Spring Steel,
Nickel Plate

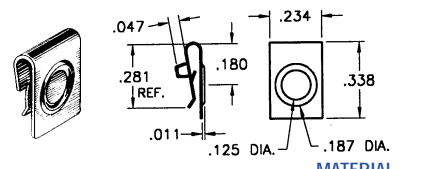
For "AAA" • "AAAA" • "N"



CAT. NO. 204

MATERIAL
.010 Spring Steel,
Nickel Plate

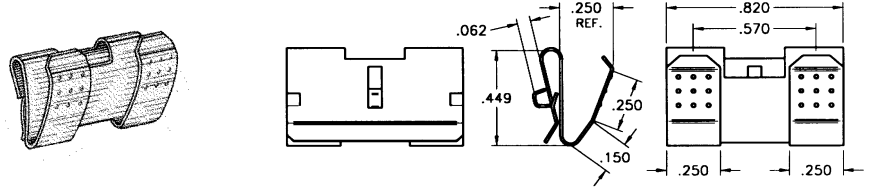
For "AAA" • "AAAA" • "N"



CAT. NO. 238

MATERIAL
.010 Spring Steel,
Nickel Plate

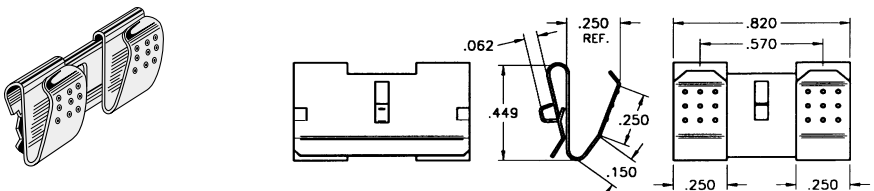
For "A" • "AA"



CAT. NO. 210

MATERIAL: .012 Spring Steel, Nickel Plate

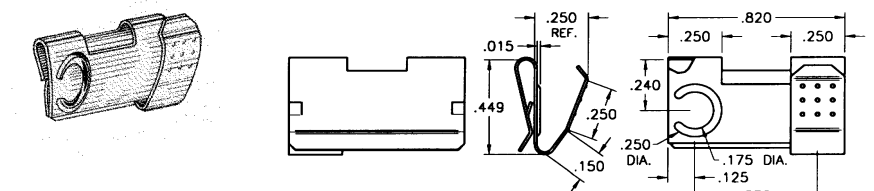
For "A" • "AA"



CAT. NO. 288

MATERIAL: .012 Spring Steel, Nickel Plate

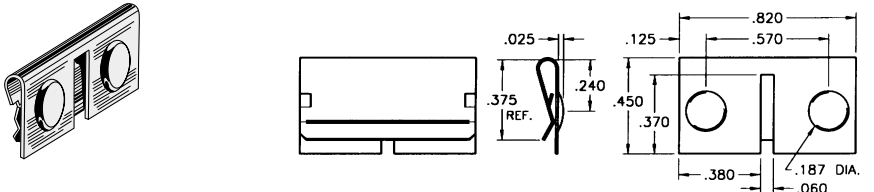
For "A" • "AA"



CAT. NO. 290 - Left (shown)
CAT. NO. 291 - Right

MATERIAL: .012 Spring Steel, Nickel Plate

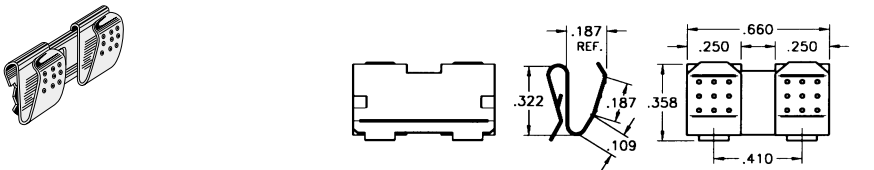
For "A" • "AA"



CAT. NO. 292

MATERIAL: .010 Spring Steel, Nickel Plate

For "AAA" • "AAAA" • "N"



CAT. NO. 202

MATERIAL: .010 Spring Steel, Nickel Plate

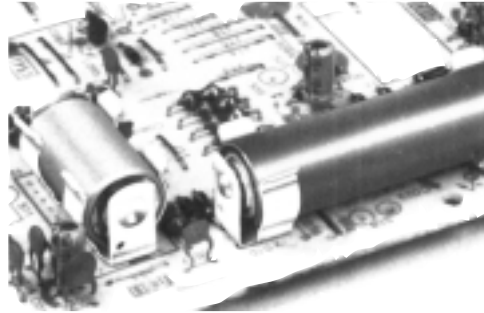


Designers' Choice

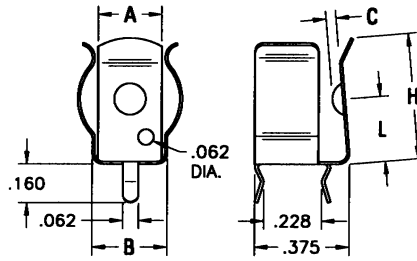
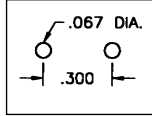
BATTERY CLIPS & CONTACTS

SNAP-IN PC BATTERY CLIPS FOR "A" • "AA" • "AAA" • "AAAA" • "N" SIZES

- Available for "A" • "AA" • "AAA" • "AAAA" • "N" size batteries
- Mounts securely to the PC board with advanced "Snap-In" design for thru hole mounting
- "Snap-In" clip holds firmly for wave soldering
- Reliable spring tension assures low contact resistance
- Low profile, economical design
- Retains battery securely to withstand shock and vibration



Mounting Detail



MATERIAL: Spring Steel, Nickel Plate

CAT. NO.	BATTERY SIZE	BATTERY DIA.	A	B	C	H	L	MAT'L THICK
52	"A" • "AA"	No Ears	.250	—	.040	.500	.260	.010
92	"A" • "AA"	.531-.665	.312	.375	.060	.593	.359	.012
2915	"A" • "AA"	.531-.665	.312	.375	.060	.593	.359	.015
82	"AAA" • "N"	.375-.460	.250	.300	.040	.500	.260	.010
51	"AAAA"	.300-.350	See drawing below					.010

New



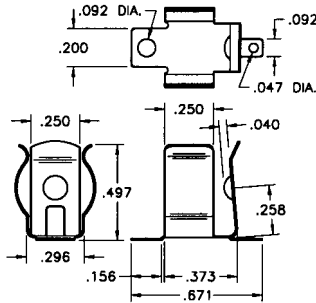
No Ears

SURFACE MOUNT BATTERY CLIP

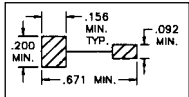
For "AAA" • "N"



- Low profile for densely packed PCBs
- "Flow-Hole" SMT solder tail design for increased joint strength
- Retains cell securely, withstands shock and vibration
- All conductive polystyrene carrier tape meets ANSI/EIA -481 standard



Pad Layout



MATERIAL: .010 Spring Steel, Tin Plate
Tape & Reel Specs: 32mm wide; 16mm pitch; 13 inch reel, (300 pieces per reel)

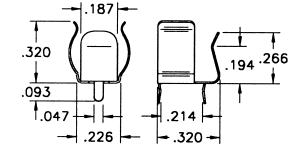
CAT. NO. 55 (Bulk)

CAT. NO. 55TR (Tape and Reel)

"AAAA"

MATERIAL: .010 Spring Steel, Nickel Plate

CAT. NO. 51



Mounting Detail



ECONOMY CLIPS FOR "AA" • "C" • "D" SIZES

Designed for mounting in self-contained, non-metallic battery compartments. Reliable spring tension assures low contact resistance. Recessed contact holds battery in place. All clips have anti-rotation tab.

MATERIAL: .016 Spring Steel, Nickel Plate

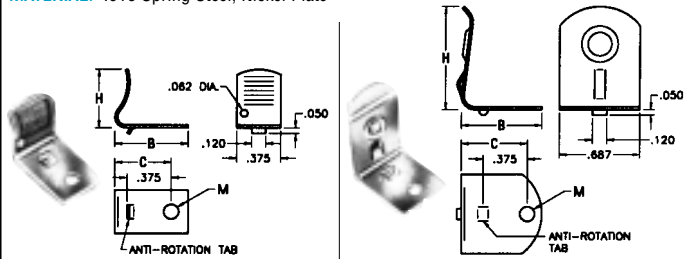
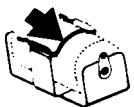


FIG. 1

FIG. 2

CAT. NO.	FIG. NO.	B	C	H	M MTHG. HOLE	CELL SIZE
206	1	.625	.480	.500	.128	AA
207	2	.687	.547	.875	.128	C
208	2	.750	.562	1.260	.128	D

BATTERY RETAINER CLIPS



- Prevents battery from loosening in battery holder
- Retainer clip slips on the ears of the battery holder clip
- Manufactured from Spring Steel, Nickel plate

CAT. NO. 61

Retainer for "AA" or cells with diameters of .532" to .562". Used with Keystone Battery Clips Cat. No. 91, 92, 92-015, 95, 99 and 100.

CAT. NO. 62

Retainer for "C" cells or similar size batteries to 1.032" diameter. Used with Keystone Battery Clips Cat. No. 86, 87, 93 and 222.

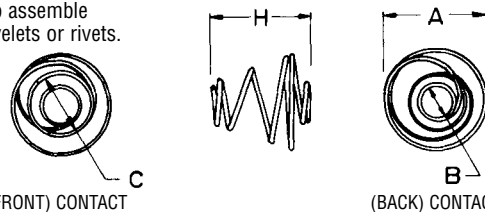
CAT. NO. 63

Retainer for "D" cells or similar size batteries to 1.343" diameter. Used with Keystone Battery Clips Cat. No. 88, 89 and 94.

BATTERY SPRING CONTACTS

For "A" • "AA" • "C" • "D" Sizes

Easy to assemble with eyelets or rivets.



CAT. NO.	H	A	B	C	MATERIAL
211 ("A" • "AA")	.290	.335	.100	.140	.025 Dia. Spring Steel, Nickel Plate
211-D ("C" • "D")	.850	.650	.162	.300	.040 Dia. Spring Steel, Nickel Plate