

## Post Shunts

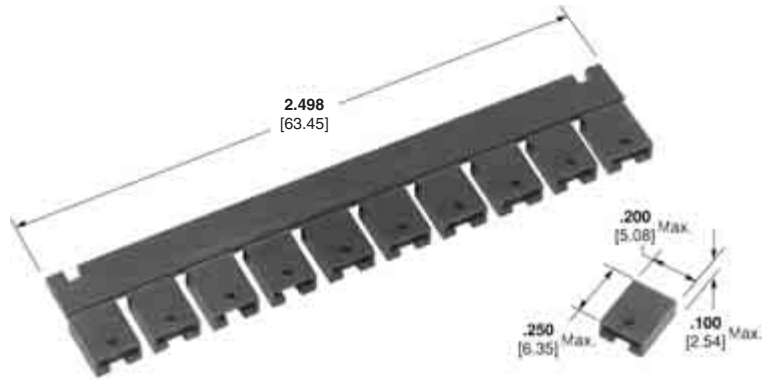
### Product Facts

- One-piece contact construction
- High normal forces
- 94V-0 rated housings
- Gold inlay, gold plate or tin plate over nickel
- Stackable
- Those post shunts indicated are recognized under the component program of Underwriters Laboratories Inc., File No. E28476 and certified by the Canadian Standards Association File No. LR 7189



### 2-Position, Low Profile Shunts

Economy Shunt  
.100 [2.54] Centerline



Configuration	Housing Color	Part Numbers			
		Gold Plate <sup>1</sup> .000015 [0.00038]	Gold Flash <sup>1</sup> .000005 [0.00013]	Tin Plate .000100 [0.00254]	Gold Plate .000030 [0.00076]
Strip of 10	Blue	382811-2	—	—	—
Strip of 10	Black	382811-6	382811-8	382811-5	2-382811-0
Strip of 10	Red	382811-9	—	—	—
Loose Piece	Black	1-382811-6	1-382811-8	—	—

<sup>1</sup>In contact area

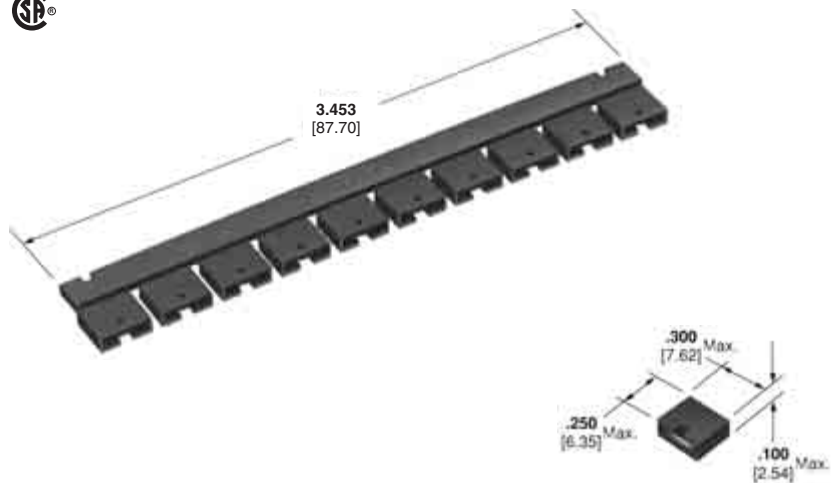
### Tandem Spring Shunts

- Two points of contact provide extra reliability
- Shunts accept posts as short as .175 [4.45]; posts bottom at .330 [8.38]

### 2mm Mini Shunts

- Stackable on 2mm contact centerline
- Low profile
- Available in strips of 10

Standard Housing Shunt  
.200 [5.08] Centerline



Configuration	Housing Color	Part Numbers		
		Gold Plate <sup>1</sup> .000015 [0.00038]	Gold Plate <sup>1</sup> .000030 [0.00076]	Tin Plate .000100 [0.00254]
Strip of 10	Black	531230-2	531230-3	531230-1

<sup>1</sup>In contact area

### Material and Finish — Low Profile and 2mm Shunts

**Housing** — Glass-filled thermoplastic, black, UL 94V-0 rated

**Contacts** — Beryllium copper or phosphor bronze, plated .000050 [0.00127] nickel underplate with gold plate in contact area or tin overall

### Material and Finish — Tandem Spring Shunts

**Housing** — Nylon, UL 94V-0 rated

**Contacts** — Phosphor Bronze

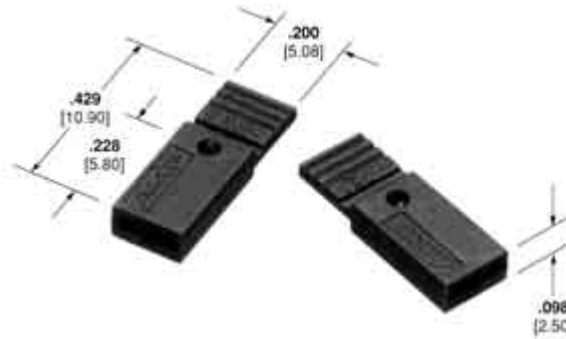
**Finish** — .000030 [0.00076] nickel underplate with gold inlay in the contact area or tin overall

**Note:** All part numbers are RoHS compliant.

**Post Shunts (Continued)**

**2-Position,  
Low Profile Shunts (Novo)**  
(Continued)

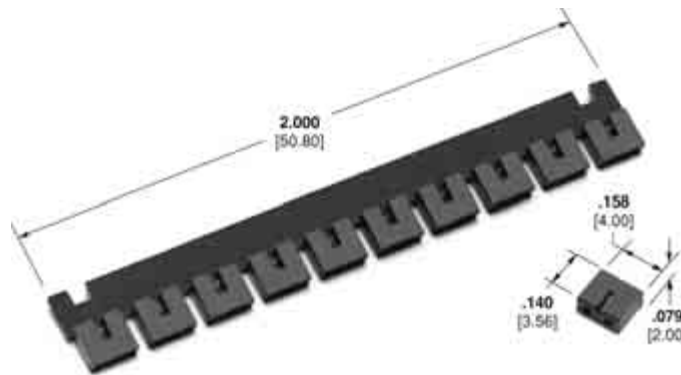
**Handle Shunt**  
**.100 [2.54] Centerline**



Housing Color	Loose Piece Part Numbers				Type
	Gold Plate <sup>1</sup> [0.00038]	Gold Plate <sup>1</sup> [0.00076]	Gold Plate <sup>1</sup> [0.00127]	Tin Plate [0.00254]	
Black	881545-1	881545-2	881545-3	4-881545-2	Open Top
Black	880584-1	880584-2	880584-3	880584-4	Closed Top

<sup>1</sup>In contact area

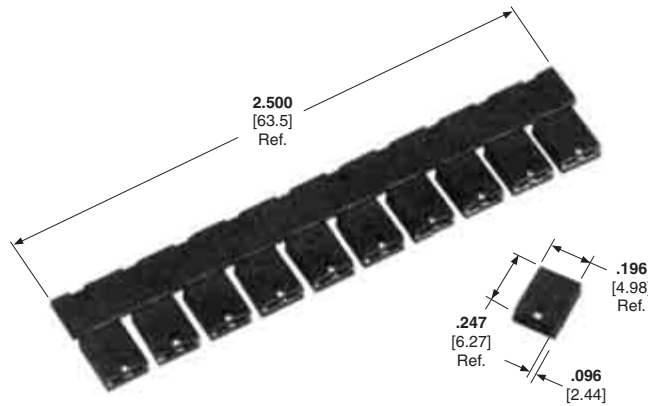
**2 mm Mini-Shunt**  
**.079 [2.00] Centerline**



Configuration	Housing Color	Part Numbers	
		Gold Plate <sup>1</sup> [0.00038]	Gold Plate <sup>1</sup> [0.00076]
Strip of 10	Black	382575-2	382575-3

<sup>1</sup>In contact area

**Dual Beam Shunt**



Configuration	Housing Color	Part Numbers		Type
		Gold Plate <sup>1</sup> [0.00038]	Gold Plate <sup>1</sup> [0.00076]	
Strip of 10	Black	390088-2	390088-1	Open Top
Strip of 10	Blue	390088-4	390088-3	Open Top
Strip of 10	Yellow	—	390088-5	Open Top

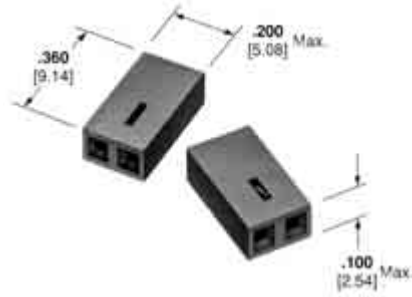
<sup>1</sup>In contact area

**Note:** All part numbers are RoHS compliant.

**Post Shunts (Continued)**

**Tandem Spring Shunt**

**.100 [2.54] Centerline**



Housing Color	Part Numbers	
	Gold Inlay <sup>1</sup>	TinPlate
	.000030 [0.00076]	.000100 [0.00254]
Black	530153-2	4-530153-1

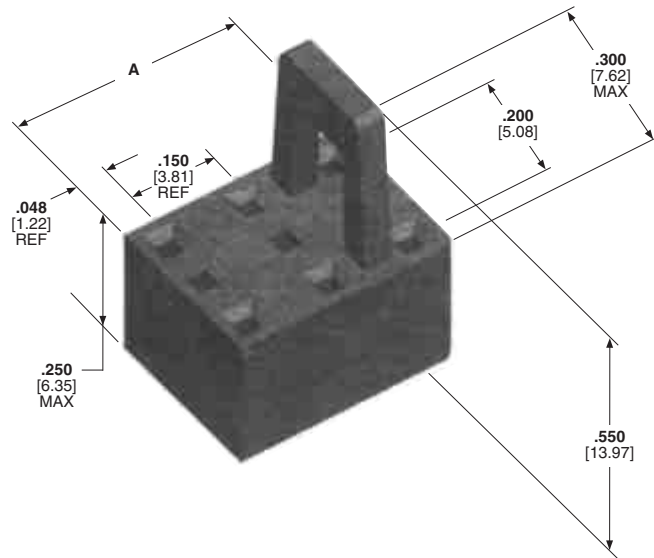
<sup>1</sup>In contact area

**Multiposition Shunts for .025 [0.64] Square Posts**

**.200 [5.08] Centerline**



**Housing** — Glass-filled polyester  
**Contacts** — Beryllium Copper  
**Finish** — .000030 [0.00076] gold in contact area over .000050 [0.00127] nickel on entire contact  
**Current Rating** — 2.5 amps



Size	Dimension A		Housing Color	Part Number
	inch	mm		
2x2	.246	6.25	Black	390102-1
2x2	.246	6.25	Red	390102-3
2x3	.396	10.01	Black	390102-2

**Note:** All part numbers are RoHS compliant.

## Performance Specifications

### Dual In-Line Package (DIP) Shunts — 7600 Series

#### Current Rating —

Standard pressure — 2 amperes for +20°C rise above ambient (one conductor per shunt)  
Machine insertable — 1 ampere for +20°C rise above ambient (one conductor per shunt)

**Insulation Resistance** —  $1 \times 10^{10}$  ohms min. at 100 VDC

**Dielectric Withstanding Voltage** — 500 VDC min.

**Capacitance** — 2 picofarads max. between adjacent straps

**Temperature Rating** — -55°C to +105°C

**Terminal Strength (Bend Test)** — Two 45° bend cycles per MIL-STD-202, Method 211, Condition B

#### Solder Bridging —

Cut straps can be reconnected by solder bridging. Solder bridging recommendations are:

- Use low temperature solder (60/40 tin/lead)
- Use solder tip approximately 1/32 [0.79] in diameter
- Do not let solder tip come in contact with plastic material

### Post Shunts

#### Current Rating —

3 amperes max. unless otherwise noted

**Temperature Rating** — -65°C to +105°C (gold) -40°C to +85°C (tin)

## Technical Documents

Various technical documents are available for your use:

**Product Specifications** describe technical performance characteristics and verification tests. They are intended for the Design, Component and Quality Engineer.

108-7533	Dual In-Line Package (DIP) Shunts
108-1445	2mm Mini Shunt
108-1476	Economy Shunt, Multiposition Shunt
108-1674	Dual Beam Shunt
108-9057	Low Profile Shunt
108-9062	Tandem Spring Shunt
108-37006	Novo Shunt with Handle

**Application Specifications** describe requirements for using the product in its intended application and/or crimping information. They are intended for the Packaging and Design Engineer and the Machine Setup Person.

114-1045	Tandem Spring Shunt
114-1054	Dual In-Line Package (DIP) Shunts
114-1059	Economy Shunt, Dual Beam Shunt, Low Profile Shunt, Multiposition Shunt
114-1074	2mm Mini Shunt

**Instruction Sheets** provide instructions for assembling or applying the product. They are intended for the Manufacturing Assembler or Operator.

408-7768	Dual In-Line Package (DIP) Shunts
408-3208	Tandem Spring Shunt
408-3230	Economy Shunt, Dual Beam Shunt, Low Profile Shunt
408-3251	Multiposition Shunt
408-3276	2mm Mini Shunt