


# AUTOMOTIVE BLADE FUSE CLIP & HOLDERS

**Underwriters Laboratories, Inc.**  
**Recognized Component Program —**  
 **UL File Number E354010**

UL file number E354010 has been assigned to Keystone Electronics' automotive fuse clip and holders. (Refer to pages 40-43) Indicating recognition by Underwriters Laboratories Inc. that they are in compliance with their component program.

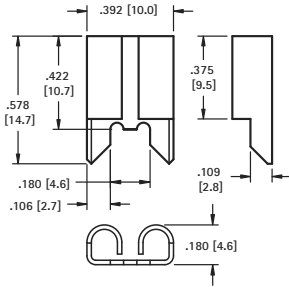
- Clips and holders available for Mini, standard, low profile & Maxi Auto fuses
- Horizontal and vertical fuse clips and holder options
- Holds fuse securely, even after multiple insertions
- THM components maintain position during wave soldering
- SMT components available packed on tape and reel for automated assembly

## "MAXI" AUTOMOTIVE FUSE CLIP & HOLDER

**FOR .312 (7.9) × .032 (.80) MAXI BLADE FUSES**

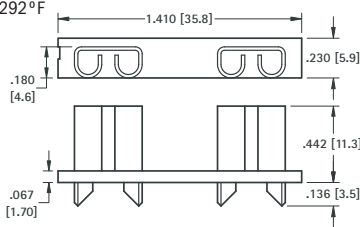
For Littelfuse Maxi 297 series/Bussmann Max series or equivalent

- Thru hole PC mountable, maintains position during wave soldering
- Holder design prevents solder wicking
- Withstands the rigors of shock and vibration
- Holds fuse securely, even after multiple insertions

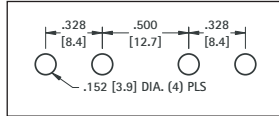


### SPECIFICATIONS

**Contacts:** .020 (.51) Copper, Tin-Nickel Plate  
**Insulator:** Glass filled Nylon, UL Rated 94V-0  
**UL Current Rating:** 50 Amps @ 500V AC  
**UL Temperature Rating:** -58°F to +292°F (-50°C to +145°C)



### Mounting Detail For Two Clips



**CAT. NO. 3555**

**CAT. NO. 3555-2**

## MODULAR AUTOMOTIVE BLADE FUSE HOLDERS

**FOR .205 (5.2) × .025 (.64) STANDARD BLADE FUSES**

For Littelfuse ATOF 257 series/Bussmann ATC series or equivalent

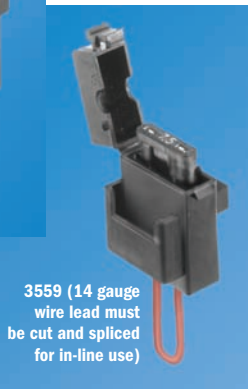
### SPECIFICATIONS

**Contacts:** Brass, Tin Plate  
**Body:** Nylon  
**Current Rating:** 30 Amps @ 500V AC (Non-UL Rated)  
**Temperature Rating:** -58°F to +292°F (-50°C to +145°C)

- Designed for standard auto blade fuses
- Fully insulated compact design
- Mounts easily in pre-drilled or punched hole
- Holder has pocket to hold spare fuse
- Safety lever release clip will not open under shock or vibration
- Fuses are installed and removed easily
- May be used individually or easily interlocked for multiple mounting



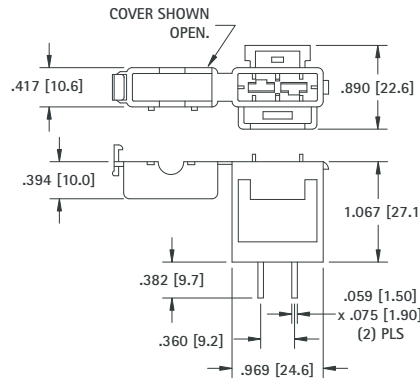
3560 (Shown with two 3560 holders, interlocked)



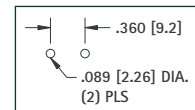
3559 (14 gauge wire lead must be cut and spliced for in-line use)

**CAT. NO. 3560 (PC Mount)\***

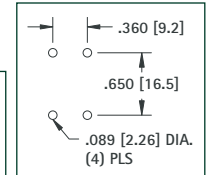
**CAT. NO. 3559 (In Line)\***



### Mounting Detail



### Mounting Detail For Two Holders

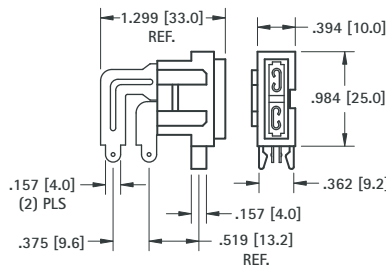


**CAT. NO. 3558\***

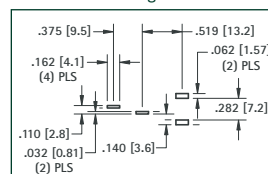
### SPECIFICATIONS

**Contacts:** Brass, Tin Plate  
**Body:** Nylon  
**Current Rating:** 30 Amps @ 500V AC (Non-UL Rated)  
**Temperature Rating:** -58°F to +292°F (-50°C to +145°C)

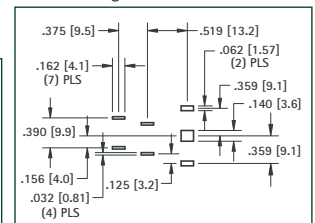
- Fully insulated fuse mount
- Designed for standard auto blade fuses
- Mounts easily in punched hole
- Fuses are installed and removed easily
- May be used individually or easily interlocked for multiple mounting



### Mounting Detail



### Mounting Detail For Two Holders



\*Modular Fuse Holders are not UL recognized

"AUTO" FUSE CLIPS & HOLDERS

## FOR .205 (5.2) × .025 (.64) STANDARD BLADE FUSES

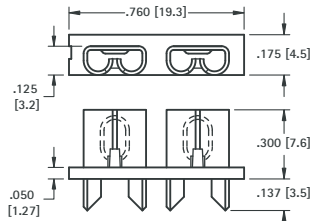
For Littelfuse ATOF 257 series/Bussmann ATC series or equivalent

- Holds fuse securely, even after multiple insertions
- Thru hole-mount, maintains position during wave soldering
- Withstands the rigors of shock and vibration
- Holder design prevents solder wicking

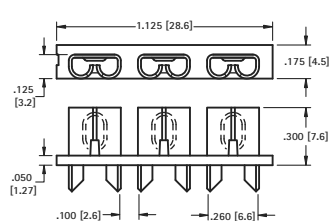
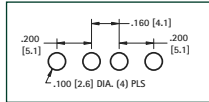
### VERTICAL FUSE ENTRY

#### SPECIFICATIONS

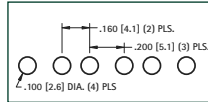
**Contacts:** .016 (.41) Brass, Tin-Nickel Plate  
**Insulator:** Nylon, UL Rated 94V-0  
**UL Current Rating:** 20 Amps @ 500V AC  
**UL Temperature Rating:** -58°F to +292°F (-50°C to +145°C)



Mounting Detail For Two Clips



Mounting Detail For Two Clips



3522-2

3522-3

CAT. NO. 3522-2

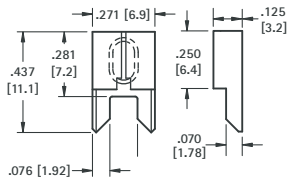
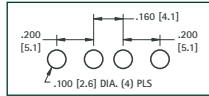
CAT. NO. 3522-3

### VERTICAL ENTRY

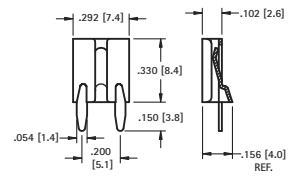
#### SPECIFICATIONS

**Contacts:** .016 (.41) Brass  
**UL Current Rating:** 30 Amps @ 500 VAC

Mounting Detail For Two Clips



### LOW INSERTION FORCE



CAT. NO. 3522 Tin-Nickel Plate

CAT. NO. 3573 Matte Tin Plate

### 2 IN 1 FUSE HOLDER

For Littelfuse ATOF 257 series/Bussmann ATC series, Littelfuse Low Profile Mini 897 series or equivalents

- Low insertion force
- Fuse holder fully insulates clips to protect fuse from shorting
- Holder assures proper spacing and reduces assembly time
- Thru hole PC mountable, maintains position during wave soldering

### UNIVERSAL CLIP

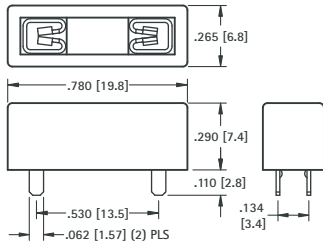
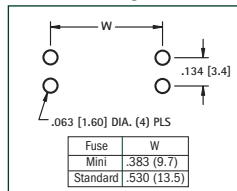
For Littelfuse ATOF 257 series/Bussmann ATC series, Littelfuse Mini 297 or 997 series/Bussmann ATM series, Littelfuse Low Profile Mini 897 series or equivalents

- Accepts most Auto-Blade Fuses
- Low insertion force
- Thru hole PC mountable, maintains position during wave soldering

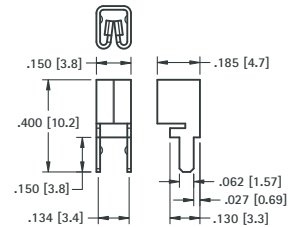
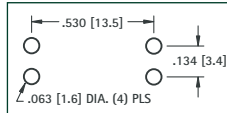
#### SPECIFICATIONS

**Contacts:** .016 (.41) Brass, Tin-Nickel Plate  
**Insulator:** Nylon 4/6, UL Rated 94V-0  
**UL Current Rating:** 30 Amps @ 500V AC  
**UL Temperature Rating:** -58°F to +292°F (-50°C to +145°C)

Mounting Detail



Mounting Detail



CAT. NO. 3557 - Top Entry

CAT. NO. 3577 - Bottom Entry

CAT. NO. 3557-2

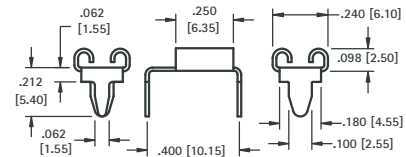
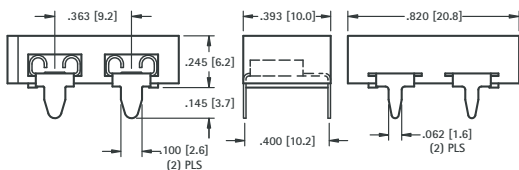
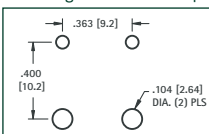
### HORIZONTAL FUSE ENTRY

- Designed for low height clearance applications
- Fuse will be inserted parallel to board
- Thru hole mount, maintains position during wave soldering
- Fuse holder fully insulates clips to protect fuse from shorting
- Holder assures proper spacing and reduces assembly time
- Polarized legs assure proper orientation of clips onto board

#### SPECIFICATIONS

**Contacts:** .012 (.30) Brass, Nickel Plate  
**Insulator:** Nylon, UL Rated 94V-0  
**UL Temperature Rating:** -58°F to +292°F (-50°C to +145°C)

Mounting Detail For Two Clips



CAT. NO. 3550-2 UL Current Rating: 20 Amps @ 500V AC

UL Current Rating: 30 Amps @ 500V AC CAT. NO. 3550

# "MINI" AUTOMOTIVE FUSE CLIPS & HOLDERS



For .110 (2.8) x .032 (.80) MINI BLADE FUSES

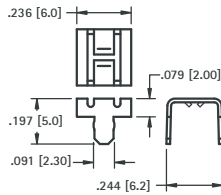
For Littelfuse Mini 297 or 997 series/Bussmann ATM series or equivalent

## VERTICAL FUSE ENTRY

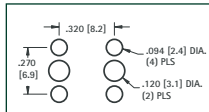
### Thru Hole Mount



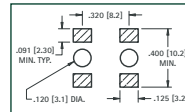
- Low Profile



#### Mounting Detail For Two Clips



#### Pad Layout For Two Clips

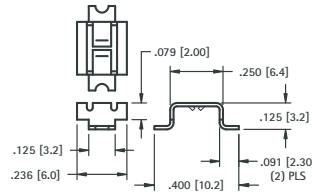


AVAILABLE ON TAPE AND REEL

### Surface Mount



- Low Profile



CAT. NO. 3563 (Bulk)

CAT. NO. 3563TR (Tape & Reel)

Tape & Reel Spec's: 24mm wide; 12mm pitch; 13 inch reel (1500 pieces per reel)

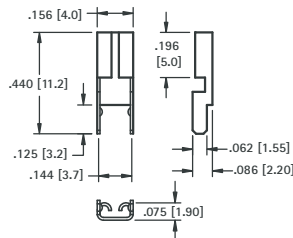
CAT. NO. 3564

## SPECIFICATIONS

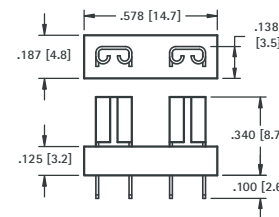
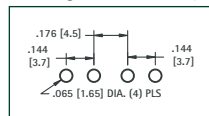
Material: .012 (.30) Brass

Insulator: Nylon, UL Rated 94V-0

UL Temperature Rating: -58°F to +292°F (-50°C to +145°C)



#### Mounting Detail For Two Clips



CAT. NO. 3544 Tin-Nickel Plate

UL Current Rating: 30 Amps @ 500V AC

UL Current Rating: 20 Amps @ 500V AC

CAT. NO. 3544-2 Tin Plate

## LOW PROFILE MINI FUSE HOLDER

For Littelfuse Low Profile Mini 897 series or equivalent

- Low insertion force
- Thru hole PC mountable, maintains position during wave soldering
- Fuse holder fully insulates clips to protect fuse from shorting
- Holder assures proper spacing and reduces assembly time

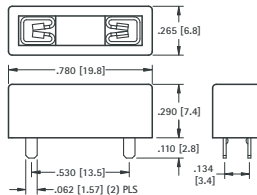
## SPECIFICATIONS

Contacts: .016 (.41) Brass, Tin-Nickel Plate

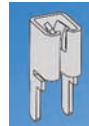
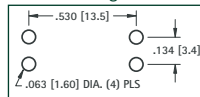
Insulator: Nylon 4/6, UL Rated 94V-0

UL Current Rating: 30 Amps @ 500V AC

UL Temperature Rating: -58°F to +292°F (-50°C to +145°C)

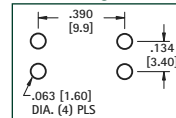


#### Mounting Detail



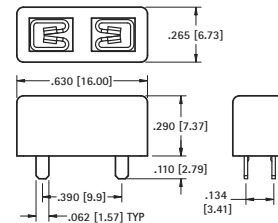
Refer to page 41 for Cat. No. 3557 Clip details

#### Mounting Detail



## MINI FUSE HOLDER

For Littelfuse Mini 297 or 997 series/Bussmann ATM or equivalents



CAT. NO. 3557-2

CAT. NO. 3568

## HORIZONTAL FUSE ENTRY

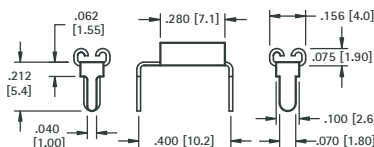
For Littelfuse Mini 297 or 997 series/Bussmann ATM series or equivalent

## SPECIFICATIONS

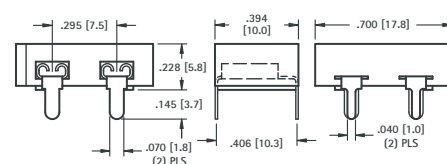
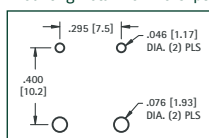
Contacts: .012 (.30) Brass

Insulator: Nylon 6/6, UL Rated 94V-0

UL Temperature Rating: -58°F to +292°F (-50°C to +145°C)



#### Mounting Detail For Two Clips



CAT. NO. 3549 Nickel Plate

UL Current Rating: 30 Amps @ 500V AC

UL Current Rating: 20 Amps @ 500V AC

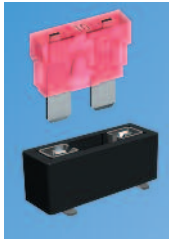
CAT. NO. 3549-2 Tin Plate



# SMT "AUTO" BLADE FUSE HOLDERS

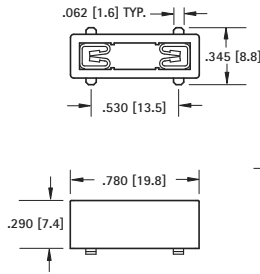
- Compatible with most vacuum and mechanical pick and place assembly systems.
- Fully insulated clips to protect fuses against shorting.
- One piece assembly reduces assembly time
- Withstands shock and vibration.

**AVAILABLE ON TAPE AND REEL**



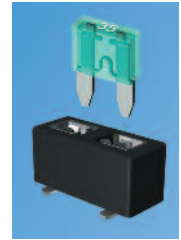
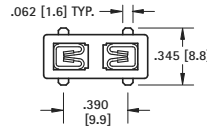
## 2 in 1 FUSE HOLDER

**For Standard:** Littelfuse: ATOF series/ Bussmann ATC series.



## MINI FUSE HOLDER

**For Low Profile:** Littelfuse: 891 series/ Bussmann ATM-LP series



**For Mini:** Littelfuse: MIN series/Bussmann ATM series or equivalent

### SPECIFICATIONS

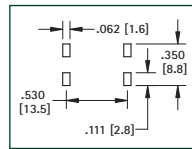
**Contacts:** .016 (.41) Brass, Matte Tin Plate  
**Insulator:** High Temperature Nylon 46, UL 94V-0  
**UL Temperature Rating:** -58°F to +292°F (-50°C to +145°C)  
**UL Current Rating:** 20 Amps @ 500V AC

**CAT. NO. 3587** (Bulk)

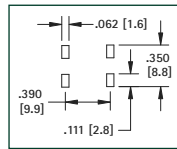
**CAT. NO. 3587TR** (Tape & Reel)

**Tape & Reel Spec's:** 32mm wide, 16mm pitch, 13 inch reel (500 pieces per reel)

### Mounting Detail



### Mounting Detail



### SPECIFICATIONS

**Contacts:** .016 (.41) Brass, Matte Tin Plate  
**Insulator:** High Temperature Nylon 46, UL 94V-0  
**UL Temperature Rating:** -58°F to +292°F (-50°C to +145°C)  
**UL Current Rating:** 20 Amps @ 500V AC

**CAT. NO. 3588** (Bulk)

**CAT. NO. 3588TR** (Tape & Reel)

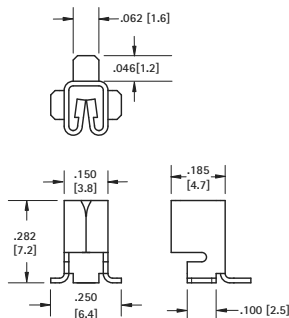
**Tape & Reel Spec's:** 32mm wide, 16mm pitch, 13 inch reel (500 pieces per reel)

# SMT "AUTO" BLADE FUSE CLIPS

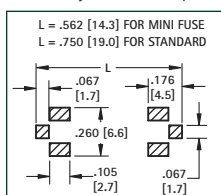
- Compatible with most vacuum and mechanical pick and place assembly systems.
- Accepts standard and mini blade automotive blade fuses.
- Clip with Matte-Tin plate is ideal for low temperature soldering applications, for other temperature sensitive components.
- Clips with Tin-Nickel plate are ideal for lead free, high temperature soldering applications.

## VERTICAL ENTRY

**For Mini:** Littelfuse: MIN series/Bussmann ATM series.  
**For Standard:** Littelfuse: ATOF series/Bussmann ATC series.  
**For Low Profile:** Littelfuse: 891 series/Bussmann ATM-LP series



### Pad Layout For Two Clips



### SPECIFICATIONS

**Material:** .016 (.41) Brass, Tin-Nickel Plate  
**UL Current Rating:** 30 Amps @ 500V AC

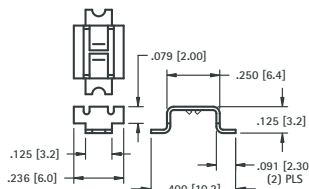
**CAT. NO. 3586** (Bulk)

**CAT. NO. 3586TR** (Tape & Reel)

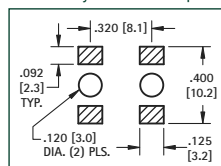
**Tape & Reel Spec's:** 16mm wide, 12mm pitch, 13 inch reel (750 pieces per reel)

## VERTICAL ENTRY

**For Mini:** Littelfuse: MIN series/Bussmann ATM series or equivalent



### Pad Layout For Two Clips



### SPECIFICATIONS

**Material:** .016 (.41) Brass, Matte Tin Plate  
**UL Current Rating:** 15 Amps @ 500V AC

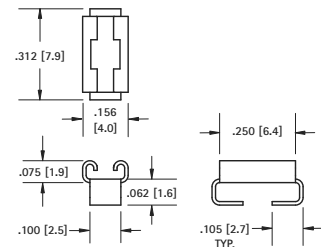
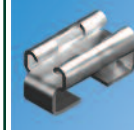
**CAT. NO. 3563** (Bulk)

**CAT. NO. 3563TR** (Tape & Reel)

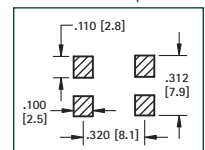
**Tape & Reel Spec's:** 24mm wide, 12mm pitch, 13 inch reel (1500 pieces per reel)

## HORIZONTAL ENTRY

**For Mini:** Littelfuse: MIN series/Bussmann ATM series or equivalent



### Mounting Detail For Two Clips



### SPECIFICATIONS

**Material:** .012 (.30) Brass, Tin-Nickel Plate  
**UL Current Rating:** 20 Amps @ 500V AC

**CAT. NO. 3569** (Bulk)

**CAT. NO. 3569TR** (Tape & Reel)

**Tape & Reel Spec's:** 24mm wide, 8mm pitch, 13 inch reel (1000 pieces per reel)