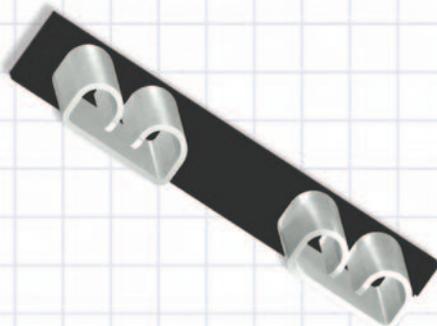
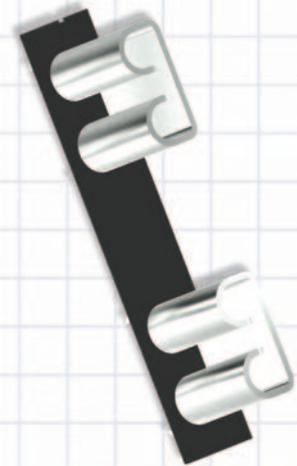
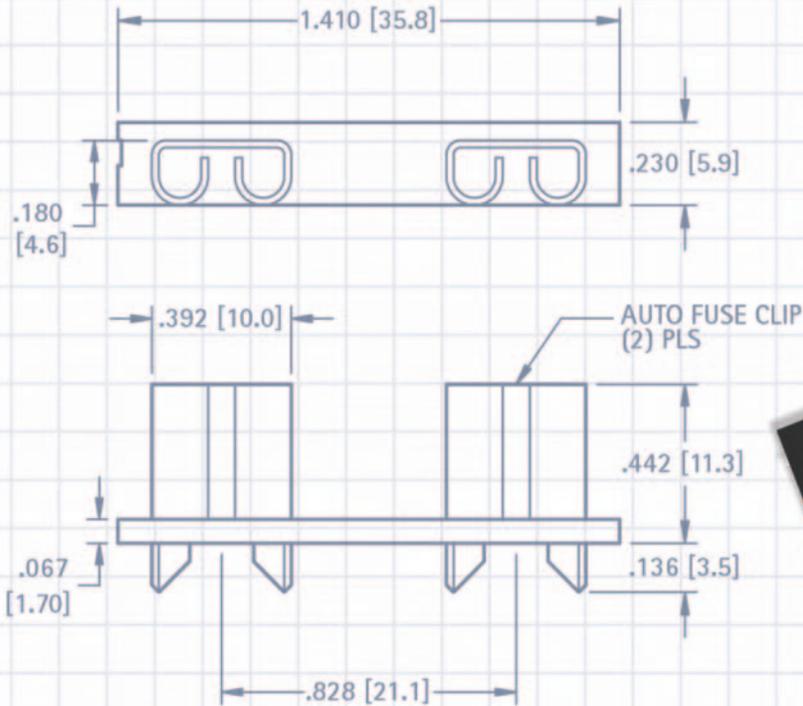


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FUSE CLIPS & HOLDERS

Our comprehensive line of fuse clips, contacts and holders are ideally suited for use in today's industrial, electronic and automotive devices. Applications include:

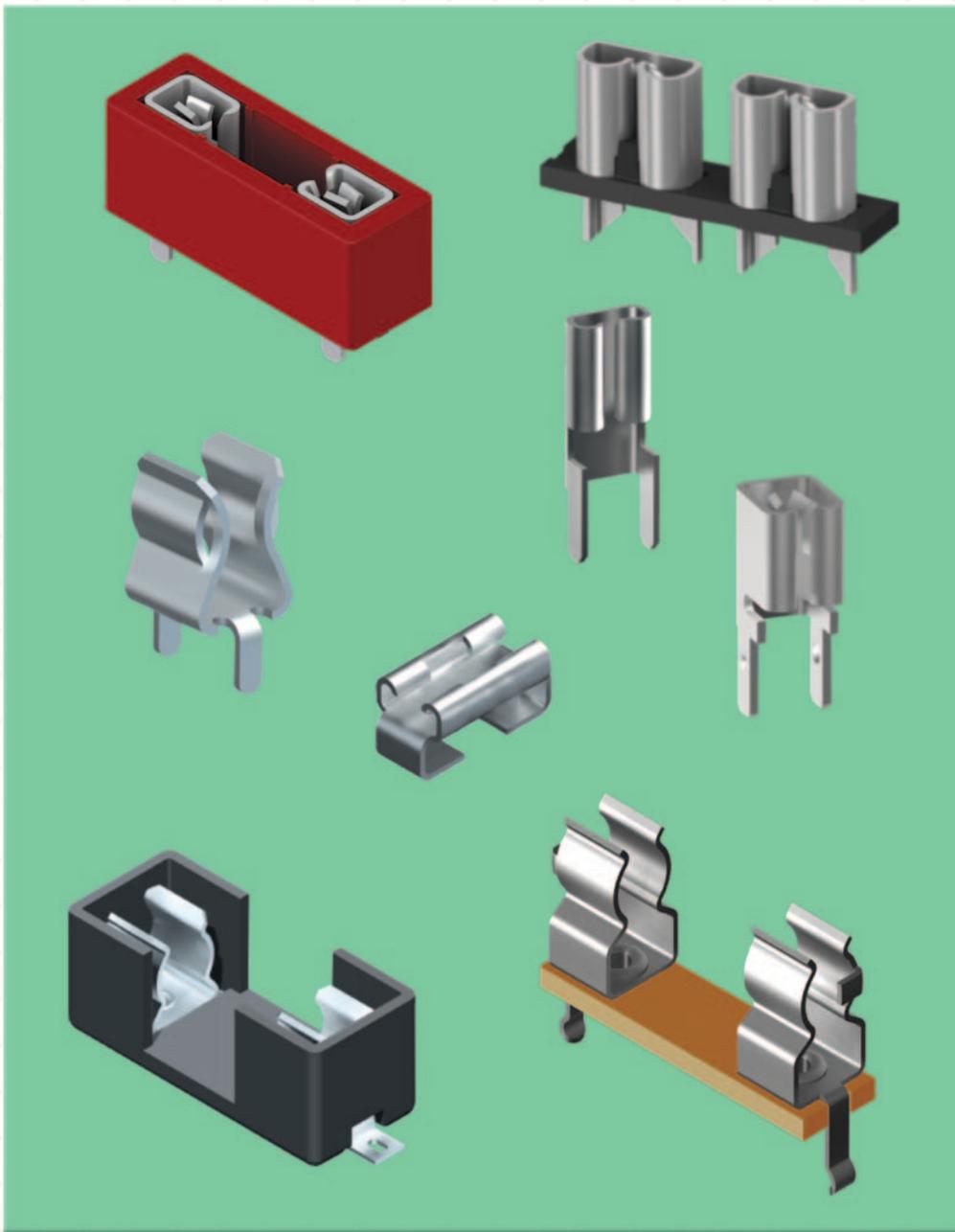
- Delicate microcircuitry
- Consumer Electronics
- Telecom and Datacom devices
- Mini, Low Profile, Standard & Maxi Blade Automotive Fuses
- High Shock and Vibration applications
- High Amperage applications
- Solar and Wind applications
- UL approved devices

Our quality system is ISO 9001:2015 certified. Our products are in compliance with the RoHS and REACH directives. We provide 3D modeling, CAD and other application-engineering support for modifications, special designs or assembly requirements to assist you in choosing the right Keystone product for your application.

DATE

DESCRIPTION

REV.



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-------------------------------	----

MOUNTING DETAILS.....54-56



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 44-47) Indicating recognition by Underwriters Laboratories Inc. that they are in compliance with their component program.

- Clips & holders available for Mini, Standard, Low Profile & Maxi Auto Blade 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 on tape and reel for automated assembly

“MAXI” AUTOMOTIVE FUSE CLIP & HOLDER

SPECIFICATIONS

Contacts: 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)

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

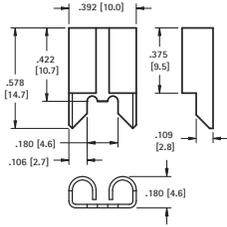
For Littelfuse Maxi 299 series/Bussmann Max series or equivalent

- 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

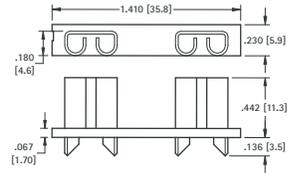
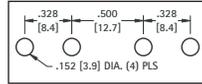
VERTICAL INSERTION



CAT. NO. 3555



Mounting Detail For Two Clips

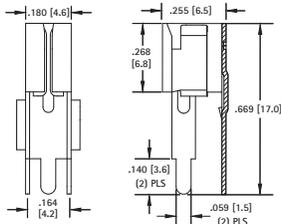


CAT. NO. 3555-2

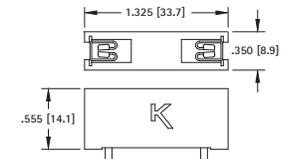
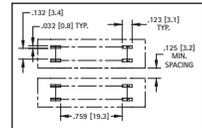
LOW INSERTION THM



CAT. NO. 3581-1



Mounting Detail

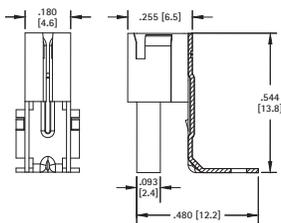


CAT. NO. 3581

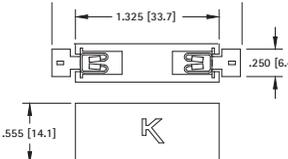
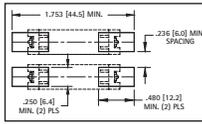
LOW INSERTION SMT



CAT. NO. 3582-1



Mounting Detail



CAT. NO. 3582

MODULAR AUTOMOTIVE BLADE FUSE HOLDERS

VERTICAL ENTRY – FOR .205 (5.2) × .025 (.64) STANDARD BLADE FUSES

For Littelfuse ATOF 287 series/Bussmann ATC series or equivalent

SPECIFICATIONS

Contacts: Brass, Tin Plate
Body: Nylon 6/6
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

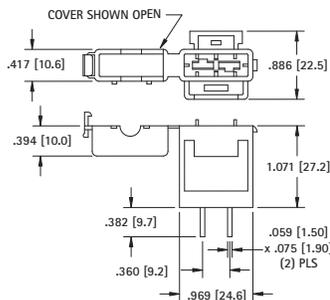
VERTICAL



3560 (Shown with two 3560 holders, interlocked)

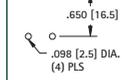
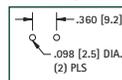
CAT. NO. 3560 (PC Mount)*

CAT. NO. 3559 (In Line)*



Mounting Detail For Two Holders

Mounting Detail

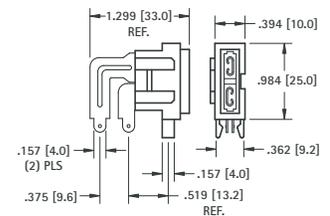


3559 (14 gauge wire lead must be cut and spliced for in-line use)

HORIZONTAL

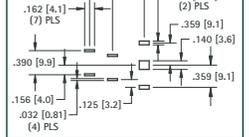
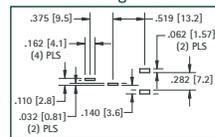


CAT. NO. 3558*



Mounting Detail For Two Holders

Mounting Detail



*Modular Fuse Holders are not UL recognized

“AUTO” FUSE CLIPS & HOLDERS

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

For Littelfuse ATOF 287 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

SPECIFICATIONS

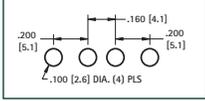
Contacts: .016 (.41) Brass, Tin-Nickel Plate
Insulator: Glass filled Nylon, UL Rated 94V-0

UL Current Rating: 20 Amps @ 500V AC
UL Temperature Rating: -58°F to +292°F (-50°C to +145°C)

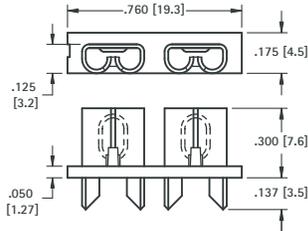


3522-2

Mounting Detail For Two Clips

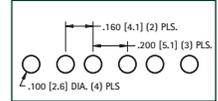


CAT. NO. 3522-2



3522-3

Mounting Detail For Two Clips



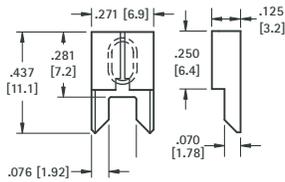
CAT. NO. 3522-3

VERTICAL ENTRY

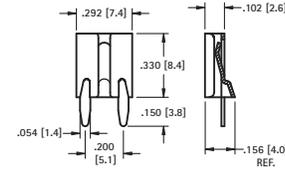
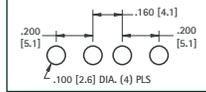
SPECIFICATIONS

UL Current Rating: 30 Amps @ 500V AC

LOW INSERTION FORCE



Mounting Detail For Two Clips



CAT. NO. ON TAPE
BULK & REEL*
3573 3573-R

*Reel Spec's: 24" diameter (4000 pieces per reel)

Material: .016 Brass, Matte-Tin Plate

CAT. NO. 3522

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

2 IN 1 FUSE HOLDER

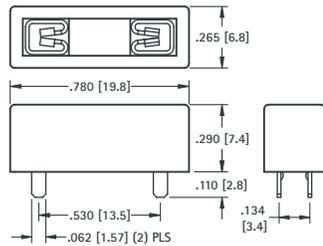
For Littelfuse ATOF 287 series/Bussmann ATC series, Littelfuse Low Profile Mini (LP) series or equivalents

- 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 287 series/Bussmann ATC series, Littelfuse Mini 297 or 997 series/Bussmann ATM series, Littelfuse Low Profile Mini (LP) series or equivalents

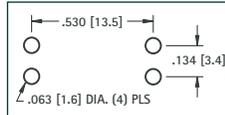
- Accepts most Auto-Blade Fuses
- Low insertion force
- Thru hole PC mountable, maintains position during wave soldering



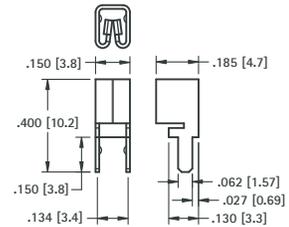
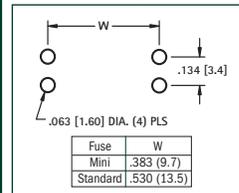
SPECIFICATIONS

Contacts: .016 (.41) Brass, Tin-Nickel Plate
Insulator: Nylon 46, 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.	COLOR	FUSE REF.
3557-2	Black	-
3557-10	Red	10 Amp
3557-15	Blue	15 Amp
3557-20	Yellow	20 Amp

All colors UL rated for 30 Amp.

CAT. NO. 3557 - Top Entry

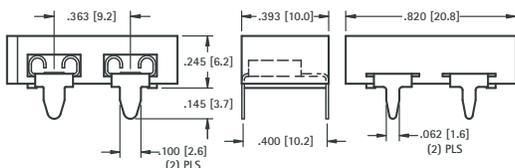
CAT. NO. 3577 - Bottom Entry

HORIZONTAL FUSE ENTRY

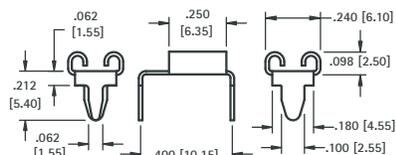
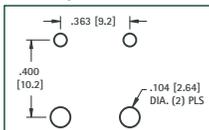
- Designed for low height clearance applications
- Fuse will be inserted parallel to board
- Thru hole mount, maintains position during wave soldering
- Fuse holder fully insulates clips to protect fuse from shorting
- Holder assures proper spacing and reduces assembly time
- Polarized legs assure proper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

SPECIFICATIONS

Contacts: .012 (.30) Brass
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. 3550-2 Tin Plate

UL Current Rating: 20 Amps @ 500V AC

UL Current Rating: 30 Amps @ 500V AC

CAT. NO. 3550 Tin-Nickel Plate



"MINI" AUTOMOTIVE FUSE CLIPS & HOLDERS



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

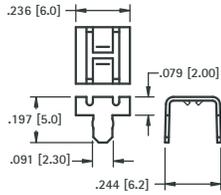
For Littelfuse Mini 297 or 997 series/Bussmann ATM series or equivalent

VERTICAL FUSE ENTRY

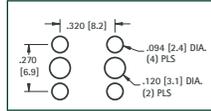
Thru Hole Mount



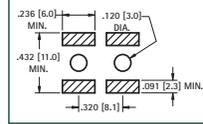
- Low Profile



Mounting Detail For Two Clips



Pad Layout For Two Clips



AVAILABLE ON TAPE AND REEL

Surface Mount



- Low Profile

CAT. NO. 3583 (Bulk)

CAT. NO. 3583KTR (Tape & Reel)

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

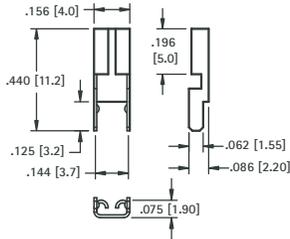
CAT. NO. 3564

SPECIFICATIONS

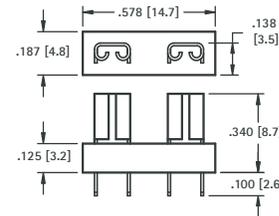
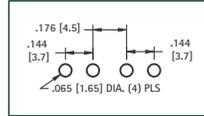
Material: .012 (.30) Brass

Insulator: Glass filled 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 (LP) 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

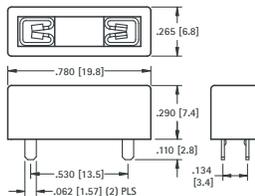
SPECIFICATIONS

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

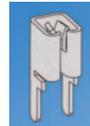
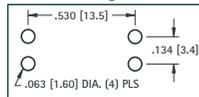
Insulator: Nylon 46, UL Rated 94V-0

UL Current Rating: 30 Amps @ 500V AC

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

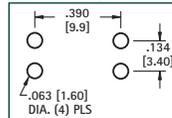


Mounting Detail



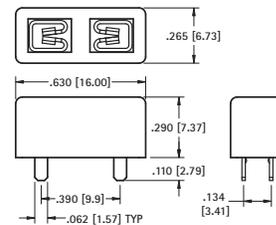
Refer to page 47 for Cat. No. 3557 Clip details

Mounting Detail



MINI FUSE HOLDER

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



CAT. NO.	COLOR	FUSE REF.
3557-2	Black	-
3557-10	Red	10 Amp
3557-15	Blue	15 Amp
3557-20	Yellow	20 Amp

All colors UL rated for 30 Amp.

CAT. NO.	COLOR	FUSE REF.
3568	Black	-
3568-10	Red	10 Amp
3568-15	Blue	15 Amp
3568-20	Yellow	20 Amp

All colors UL rated for 30 Amp.

HORIZONTAL FUSE ENTRY

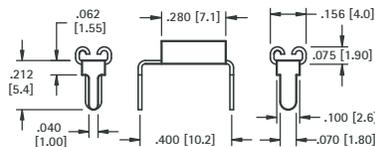
For Littelfuse Mini 297 or 997 series/Bussmann ATM series or equivalent

SPECIFICATIONS

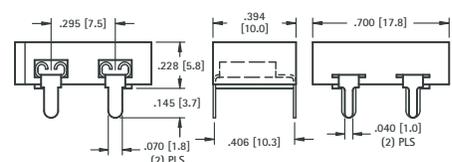
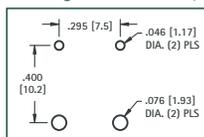
Contacts: .012 (.30) Brass

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

*Cat. No. 3544-2 & Cat. No. 3549-2 are not UL listed

"AUTO" FUSE CLIPS & HOLDERS



5mm x 20mm FUSE HOLDERS

5mm & 3AG FUSE HOLDERS



SPECIFICATIONS:
Base & Cover: PA9T, UL94V-0
Clips: Brass, Tin Plate
Rated: 10Amps @500 V AC

CAT. NO. 4528

CAT. NO. 4518 - Cover

CAT. NO. 4528TR (Tape & Reel)

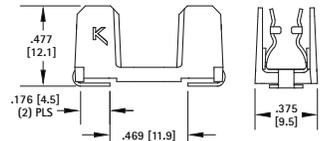
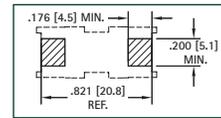
Tape & Reel Spec's: 1.732 (44.0) Wide, .630 (16.0) pitch; 400 pieces per reel

SMT

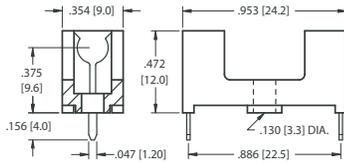
AVAILABLE ON TAPE AND REEL

- Designed for automated assembly processing
- Reflow solder compatible
- Low profile, space saving design
- Flame Retardant
- Not UL rated

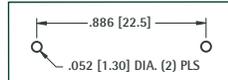
Mounting Detail



SLIM LINE



Mounting Detail



- Optional cover with window protects and insulates fuse
- Flame Retardant
- Not UL rated

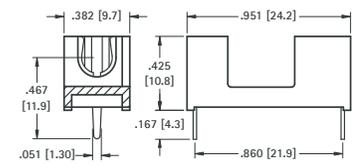
CAT. NO. 4628 - Holder

CAT. NO. 4628C - Cover only (with window)

SPECIFICATIONS
Base & Cover: Nylon, 6/6
UL Rated 94V-0
Clips: Brass, Tin Plate
Rated: 5 Amps @ 250V AC



LOW PROFILE



Mounting Detail



- Low profile, space saving design
- Optional cover protects and insulates fuse
- Flame Retardant
- Not UL rated

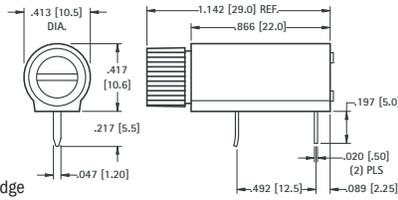
CAT. NO. 4527 - Holder

CAT. NO. 4527C - Cover only

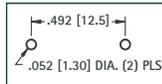
SPECIFICATIONS
Base & Cover: Nylon, 6/6
UL Rated 94V-0
Clips: Brass, Tin Plate
Rated: 5 Amps @ 250V AC



FULLY INSULATED



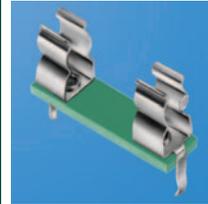
Mounting Detail



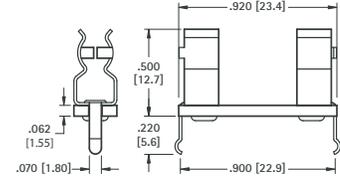
- Supplied unassembled
- Shock resistant
- Fuse can be accessed from board edge
- Fuse is completely enclosed, protecting use from shorting and breaking
- Not UL rated

CAT. NO. 4525

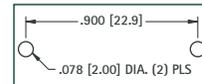
SPECIFICATIONS
Base: PBT
Contacts: Brass, Tin Plate
Rated: 10 Amps @ 250V AC



PC SNAP-IN



Mounting Detail



- Snap-in design for wave soldering
- Flame Retardant
- Optional cover protects and insulates fuse - Cat. No. 3527C

CAT. NO. 3527 - Holder

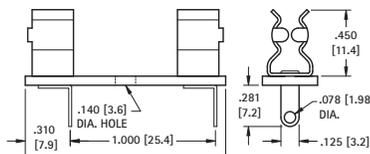
SPECIFICATIONS
Base: G10, UL Rated 94V-0
Clips: Brass, Tin Plate
UL Rated: 6.3 Amps @ 250V AC

3AG FUSE HOLDERS

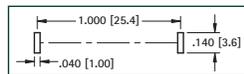
TERMINATION LUGS CAN BE USED WITH WIRES OR PC MOUNT

SPECIFICATIONS
Base: GPO-3, UL Rated 94V-0
Clips: Brass, Tin Plate
UL Rated: 15 Amps @ 500V AC

PRESS-FIT, IDEAL FOR WAVE SOLDERING

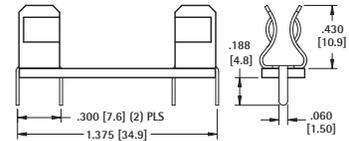


Mounting Detail



CAT. NO. 3526

Optional cover available - Cat. No. 4245C



Mounting Detail

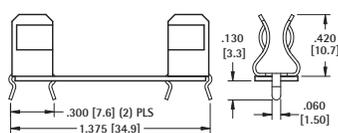


CAT. NO. 4245

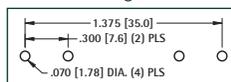
Optional cover available - Cat. No. 4245C



SNAP-IN DESIGN ASSURES STABILITY DURING WAVE SOLDERING



Mounting Detail



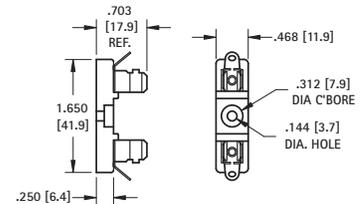
SPECIFICATIONS
Base: G10, UL Rated 94V-0
Clips: Brass, Tin Plate
UL Rated: 15 Amps @ 500V AC

CAT. NO. 4250

Optional cover available - Cat. No. 4245C



MOLDED CASE



SPECIFICATIONS
Base: LCP, UL Rated 94V-0
Clips: Brass - Nickel Plated
UL Rated: 15 Amps @ 250 V AC

CAT. NO. 3523

Optional cover available - Cat. No. 4245C

Mounting Hole: .144 (3.7) Dia.

- 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

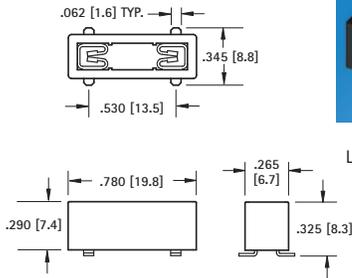
SPECIFICATIONS

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

AVAILABLE ON TAPE AND REEL

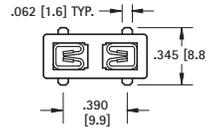


2 in 1 FUSE HOLDER



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

MINI FUSE HOLDER

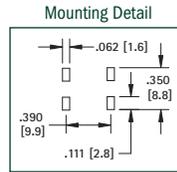
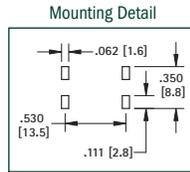


For Mini: Littelfuse:
 MIN series/Bussmann
 ATM series or equivalent

CAT. NO. BULK	ON TAPE & REEL	COLOR	FUSE REF.
3587	3587TR	Black	-
3587-10	3587-10TR	Red	10 Amp
3587-15	3587-15TR	Blue	15 Amp
3587-20	3587-20TR	Yellow	20 Amp

All colors UL rated for 20 Amp.

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



CAT. NO. BULK	ON TAPE & REEL	COLOR	FUSE REF.
3588	3588TR	Black	-
3588-10	3588-10TR	Red	10 Amp
3588-15	3588-15TR	Blue	15 Amp
3588-20	3588-20TR	Yellow	20 Amp

All colors UL rated for 20 Amp.

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
- KTR parts have Kapton Tape added to top service for vacuum pick & place

- 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

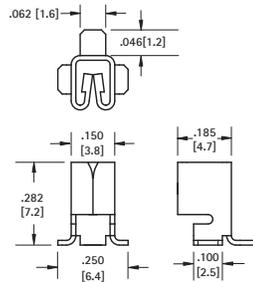
- Clips with Tin-Nickel plate are ideal for lead free, high temperature soldering applications

AVAILABLE ON TAPE AND REEL

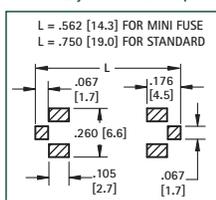
VERTICAL ENTRY



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)

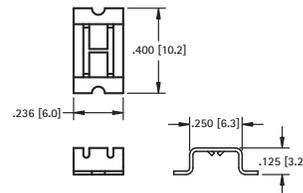
CAT. NO. 3586KTR (Tape & Reel)

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

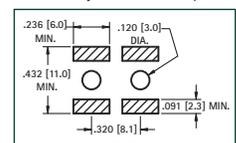
VERTICAL ENTRY



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. 3583

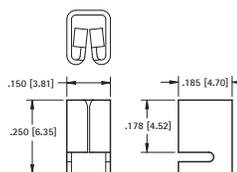
CAT. NO. 3583KTR (Tape & Reel)

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

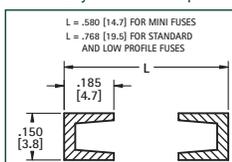
VERTICAL ENTRY



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: .018 (.41) Brass, Matte Tin Plate
UL Current Rating: 20 Amps @ 500V AC

CAT. NO. 3584* (Bulk)

CAT. NO. 3584KTR* (Tape & Reel)

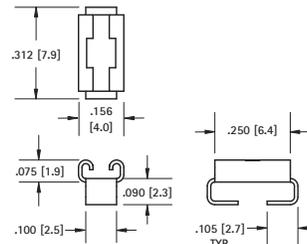
Tape & Reel Spec's: 16mm wide, 12mm pitch, 13 inch reel (750 pieces per reel)

* Cat. No. 3584 is not UL Listed

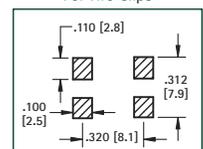
HORIZONTAL ENTRY



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



Mounting Detail For Two Clips



SPECIFICATIONS

Material: .012 (.30) Brass, Matte Tin 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)

MIDGET, SPF (5AG) FUSE HOLDER



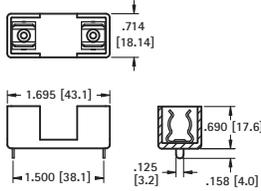
- Designed for SPF (Solar Protection Fuse)
- Optional cover will protect and insulate fuse
- Flame resistant

SPECIFICATIONS

Base & Cover: Nylon 46, UL Rated 94V-0 **UL Rated:** 30 Amps @ 500V AC
Clips: .030 (.76) Brass, Matte Tin Plate **UL Operating Temp. Range:** -58°F to +292°F (-50°C to +145°C)

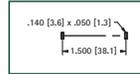


3576 (THM)

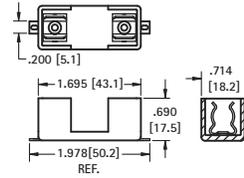
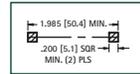


Optional Cover **Cat. No. 3576C** fits Cat. No. 3576 & 3574

Mounting Detail



Mounting Detail



3574 (SMT)



CAT. NO. 3576 - Holder

CAT. NO. 3576C - Cover only

CAT. NO. 3574 - Holder

CAT. NO. 3576C - Cover only

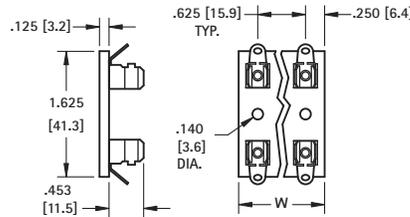
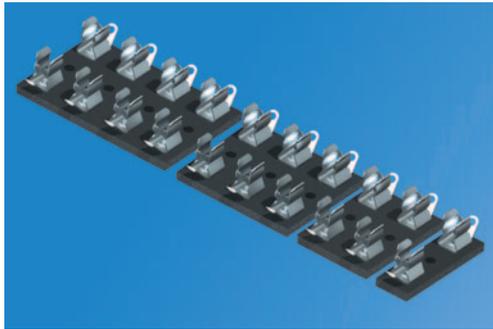
3AG FUSE BLOCKS

- Available with fiberglass or phenolic base
- Fuse clips riveted to base for rugged applications

SPECIFICATIONS

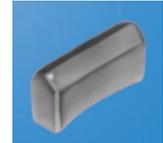
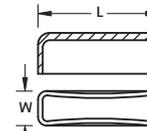
Phenolic Base: XP, Black UL Rated 94-HB
Fiberglass Base: GPO-3 UL Rated 94 V-0
Clips: .020 (.51) Brass - Nickel Plated
Rated: 15 Amps @ 500V AC
Operating Temp. Range: -58°F to +292°F (-50°C to +145°C)

BLACK PHENOLIC	FIBER-GLASS	HOLDS NO. OF FUSES	W
CAT. NO. 3536*	CAT. NO. 3540*	1	.500 (12.7)
3537*	3541*	2	1.125 (28.6)
3538*	3542*	3	1.750 (44.5)
3539*	3543*	4	2.375 (60.3)

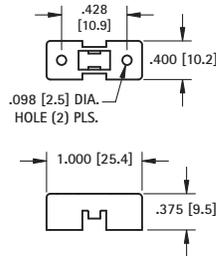


FUSE COVERS

- Made from flame retardant material
- Protects fuse from shorting and minor bumps



Can be used with clips or fuse holders



Can be used with clips 3512, 3512P, 3517 and 3518

MATERIAL: ABS, UL Rated 94V-0

CAT. NO.	FUSE SIZE
3517C	5mm x 20mm

MATERIAL: PVC, UL Listed 94V-0

CAT. NO.	FUSE SIZE	L	W	H
3527C	5mm x 20mm	.945 (24.0)	.314 (8.0)	.512 (13.0)
3521C	2AG	.787 (20.0)	.295 (7.5)	.452 (11.5)
4245C	3AG	1.319 (33.5)	.472 (12.0)	.591 (15.0)

SUBMINIATURE FUSE HOLDERS

- Reliable spring tension assures low contact resistance
- Fuse holders allow for quick changing of subminiature fuses
- Ideal for high density circuit board applications

SPECIFICATIONS

Base: Thermoplastic, UL Rated 94V-0
Springs: Beryllium Copper, Gold Plate

Pins: Brass, Tin Plate
Current Rating: 5 Amps @ 250V AC

.335 (8.5) x .158 (4.0) FUSE

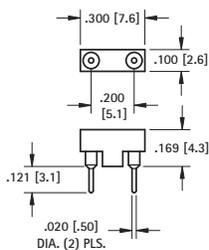
For Littelfuse 392/395 Type TE5®
 Bussmann: PC Series or equivalent

.335 (8.5) DIA. FUSE

For Littelfuse 370 Type TR5®
 Bussmann: BK-EFF series or equivalent

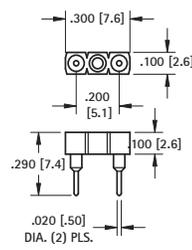


STURDI-MOUNT



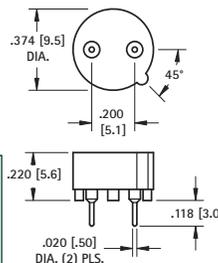
CAT. NO. 3552*

LOW PROFILE



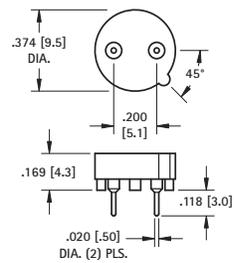
CAT. NO. 3553*

STURDI-MOUNT



CAT. NO. 3556*

LOW PROFILE



CAT. NO. 3554*

*3AG Fuse Blocks & Subminiature Fuse Holders are not UL recognized



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



UL file number E354010 has been assigned to Keystone Electronics' fuse clips and holders with end stops. (Refer to pages 48-51) Indicating recognition by Underwriters Laboratories Inc. that they are in compliance with their component program.

- Available for 5mm, 1AG, 2AG, 3AG, 5AG, 7AG & 8AG sizes
- Low profile, space saving
- Low contact resistance
- Withstands shock and vibration
- Rated 6.3 to 30 Amps
- Custom designs and modifications available to your specifications

PC THRU MOUNT TYPES

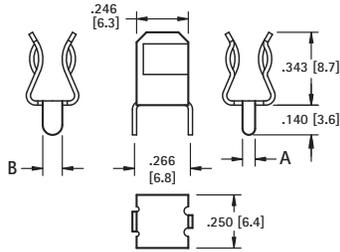
- Snap-fit design enhances assembly and PC retention for wave soldering
- Available with orientation legs to assure proper PC installation
- Available with or without end stops

SURFACE MOUNT & RIVET TYPES

- KTR parts have Kapton Tape added to top service for vacuum pick & place

Refer to pages 54-56 for Fuse Clip Layout and Mounting Details

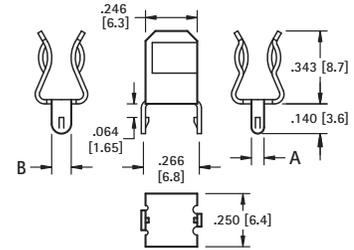
2AG, 5mm PC Clips



MATERIAL:
 .020 (.51) Brass, Tin Plate
UL Current Rating: 15 Amps

CAT. NO.	A	B
3517	.060 (1.5)	.060 (1.5)
3518P	.060 (1.5)	.093 (2.4)

With or Without Orientation Legs
 Optional cover available - **Cat. No. 3517C**



• With snap-in PC legs
MATERIAL:
 .020 (.51) Brass, Tin Plate
UL Current Rating: 15 Amps

CAT. NO.	A	B
3512	.060 (1.5)	.060 (1.5)
3512P	.060 (1.5)	.093 (2.4)

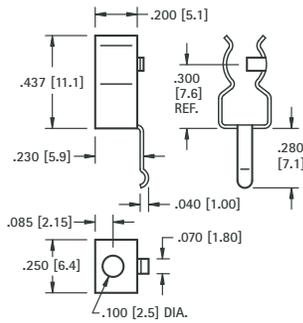
With or Without Orientation Legs
 Optional cover available - **Cat. No. 3517C**

FUSE CLIPS



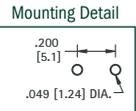
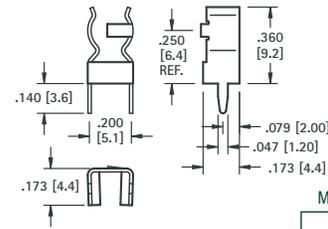
MATERIAL:
 .016 (.41) Brass, Tin Plate
UL Current Rating: 6.3 Amps

CAT. NO. 3520



MATERIAL:
 .016 (.41) Brass, Tin Plate
UL Current Rating: 15 Amps

CAT. NO. 3519



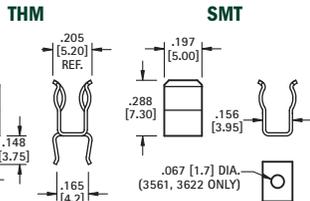
2AG or 5mm



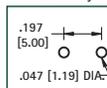
MATERIAL: .016 (.41) Brass, Tin Plate
UL Current Rating: 15 Amps

CAT. NO.	ON TAPE BULK	ON TAPE & REEL	PC LEGS	END STOP
3521	—	—	YES	YES
3621	—	—	YES	NO*
3561	3561KTR	—	NO	YES
3622	3622KTR	—	NO	NO*

Tape & Reel Spec's: 16m wide, 12mm pitch, 13 inch reel (500 pieces per reel)



Mounting Detail
 Cat. No. 3521 & 3621 Only

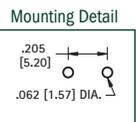
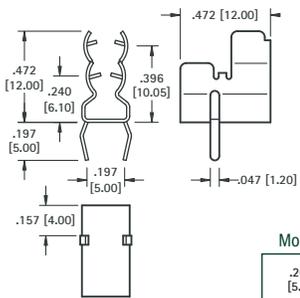


5mm/3AG



MATERIAL:
 .016 (.41) Brass, Tin Plate
UL Current Rating: 15 Amps

CAT. NO. 3562

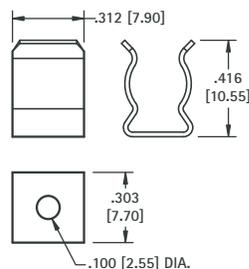


4AG (9/32 Dia.)



MATERIAL:
 .020 (.51) Brass, Nickel Plate
UL Current Rating: 15 Amps

CAT. NO. 3565 (Without End Stops)*

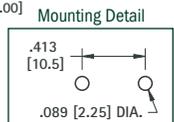
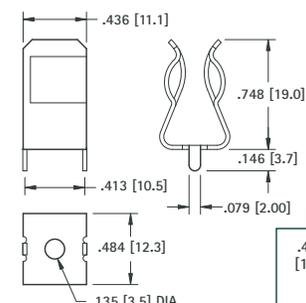


5AG (13/32 Dia.) - Solar Protection Fuse



MATERIAL:
 .030 (.76) Brass, Tin Plate
UL Current Rating: 30 Amps

CAT. NO. 3566

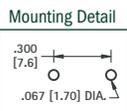
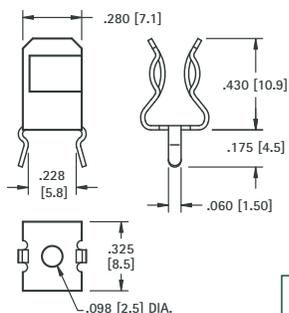


*Fuse clips without end stops are not UL recognized

Refer to pages 54-56 for Fuse Clip Layout and Mounting Details

1AG, 3AG, 7AG, 8AG THRU HOLE MOUNT TYPES

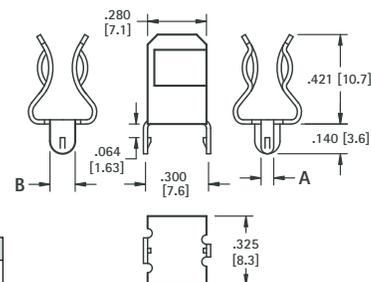
WITH SNAP-IN PC LEGS



MATERIAL:
.020 (.51) Brass, Tin Plate
UL Current Rating: 15 Amps

CAT. NO. 3513

WITH SNAP-IN PC LEGS

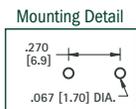
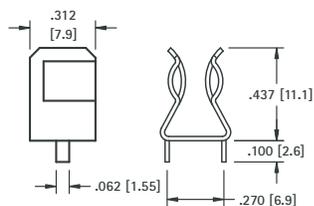


MATERIAL:
.020 (.51) Brass, Tin Plate
UL Current Rating: 15 Amps

CAT. NO.	A	B
3515	.060 (1.5)	.060 (1.5)
3515P	.060 (1.5)	.093 (2.4)
3516P	.060 (1.5)	.120 (3.0)

With or Without Orientation Legs

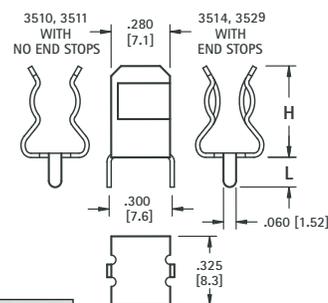
WITH STRAIGHT PC LEGS



MATERIAL:
.020 (.51) Brass, Tin Plate
UL Current Rating: 15 Amps

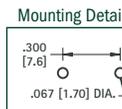
CAT. NO. 3530

WITH STRAIGHT PC LEGS

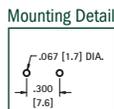
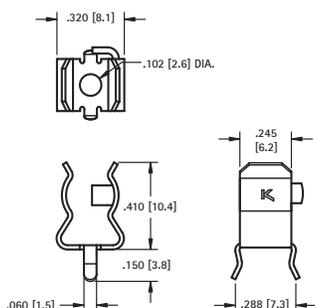


MATERIAL:
.020 (.51) Brass, Tin Plate
UL Current Rating: 15 Amps

CAT. NO.	H	L	END STOPS
3510	.421 (10.7)	.140 (3.6)	NO*
3529	.421 (10.7)	.140 (3.6)	YES
3511	.430 (10.9)	.250 (6.4)	NO*
3514	.430 (10.9)	.250 (6.4)	YES



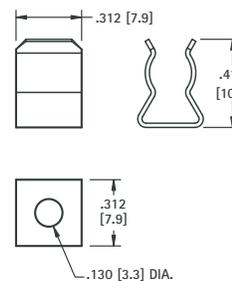
SNAP-IN WITH END STOP



MATERIAL:
.020 (.51) Brass, Nickel Plate
UL Current Rating: 20 Amps

CAT. NO. 3500

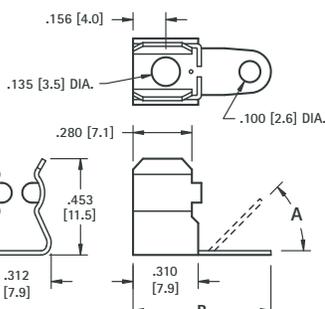
SMT & RIVET MOUNT, LOW PROFILE



MATERIAL:
.020 (.51) Brass, Nickel Plate
UL Current Rating: 15 Amps

CAT. NO. 3531 (Without End Stops)*

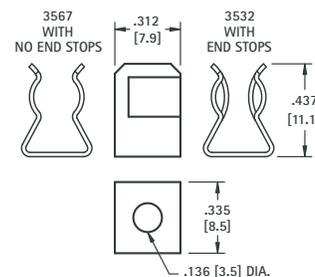
SMT & RIVET MOUNT WITH LUG



MATERIAL:
.020 (.51) Brass, Nickel Plate
Current Rating: 15 Amps

CAT. NO.	A	B
3533	Flat	.656 (16.7)
3535	45°	.562 (14.3)
3570	-	NO TAB

SMT & RIVET MOUNT



MATERIAL:
.020 (.51) Brass, Nickel Plate
UL Current Rating: 15 Amps

CAT. NO.	END STOPS
3532	YES
3567	NO*

*Fuse clips without end stops are not UL recognized



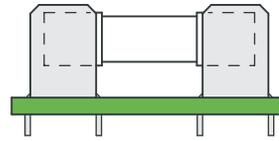
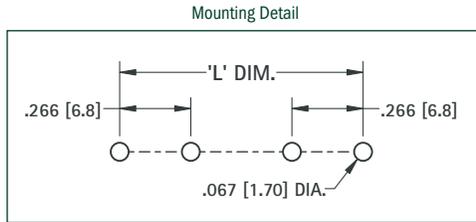
REFER TO PAGE 52 FOR PART DETAILS

NOTE: ALL MOUNTING DIMENSIONS ARE FOR REFERENCE ONLY. PLEASE VERIFY YOUR FUSE LAYOUT PRIOR TO FABRICATION.

FUSE CLIP LAYOUT & MOUNTING DETAILS



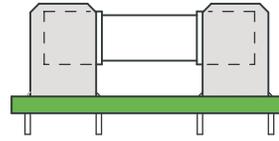
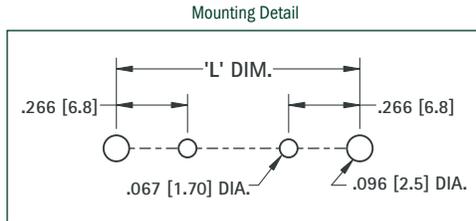
3517



CAT. NO. 3517	
FUSE SIZE	L DIM.
5mm × 20mm	.910 (23.1)
2AG	.723 (18.1)



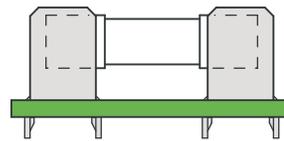
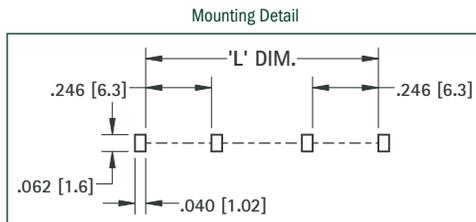
3518P



CAT. NO. 3517	
FUSE SIZE	L DIM.
5mm × 20mm	.910 (23.1)
2AG	.723 (18.1)



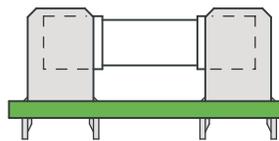
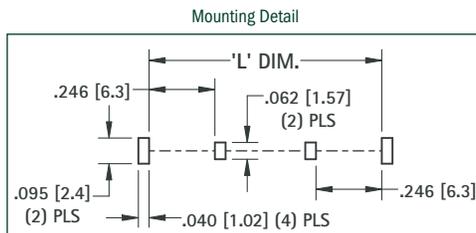
3512



CAT. NO. 3512	
FUSE SIZE	L DIM.
5mm × 20mm	.910 (23.1)
2AG	.723 (18.1)



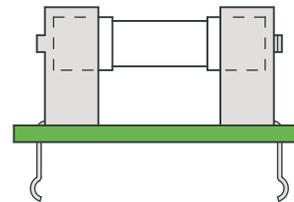
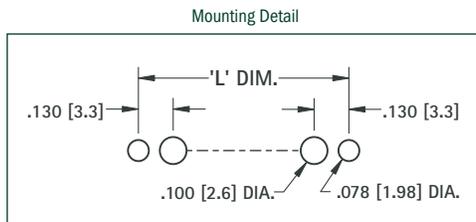
3512P



CAT. NO. 3512P	
FUSE SIZE	L DIM.
5mm × 20mm	.910 (23.1)
2AG	.723 (18.1)



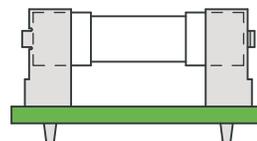
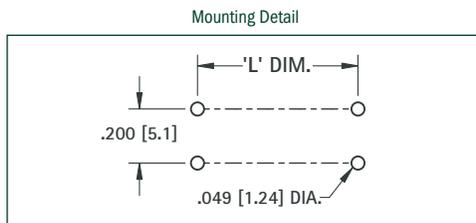
3520



CAT. NO. 3520	
FUSE SIZE	L DIM.
5mm × 20mm	.910 (23.1)
2AG	.705 (17.9)



3519



CAT. NO. 3519	
FUSE SIZE	L DIM.
5mm × 20mm	.910 (23.1)
2AG	.453 (11.5)

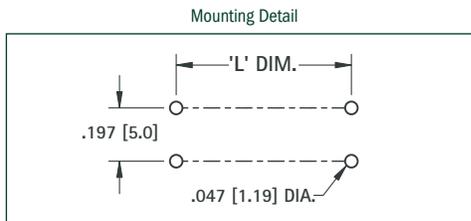
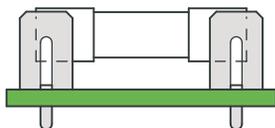
REFER TO PAGE 52 FOR PART DETAILS

NOTE: ALL MOUNTING DIMENSIONS ARE FOR REFERENCE ONLY. VERIFY YOUR FUSE LAYOUT PRIOR TO FABRICATION.

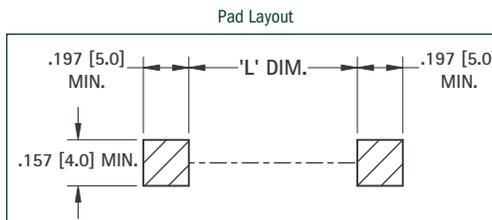
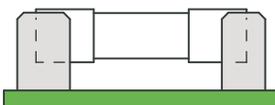


FUSE CLIP LAYOUT & MOUNTING DETAILS

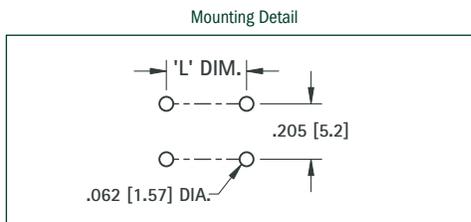
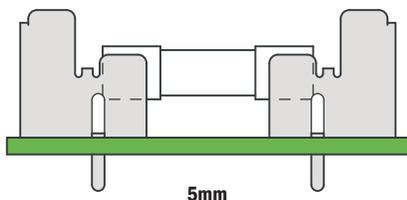
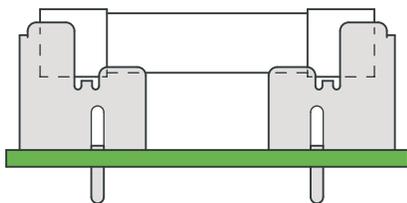
CAT. NO. 3521, 3621	
FUSE SIZE	L DIM.
2AG	.514 (13.1)
5mm × 20mm	.710 (18.0)



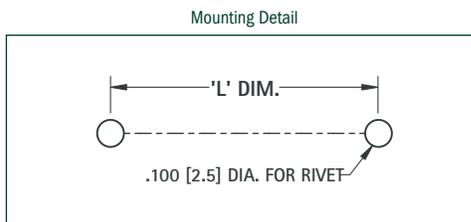
CAT. NO. 3561, 3622	
FUSE SIZE	L DIM.
2AG	.354 (9.0)
5mm × 20mm	.500 (12.7)



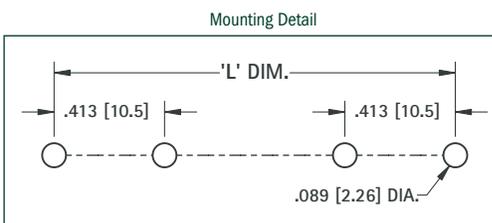
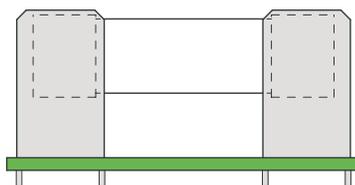
CAT. NO. 3562	
FUSE SIZE	L DIM.
5mm × 20mm	.820 (20.8)
3AG	



CAT. NO. 3565		
DESIGNATION	FUSE SIZE	L DIM.
4AG	.281 (7.1) × 1.250 (31.8)	1.000 (25.4)



CAT. NO. 3566		
DESIGNATION	FUSE SIZE	L DIM.
SM/SS	.406 (10.3) × 1.375 (34.9)	1.515 (38.5)
5AG	.406 (10.3) × 1.500 (38.1)	1.640 (41.7)





REFER TO PAGE 53 FOR PART DETAILS

NOTE: ALL MOUNTING DIMENSIONS ARE FOR REFERENCE ONLY. PLEASE VERIFY YOUR FUSE LAYOUT PRIOR TO FABRICATION.

FUSE CLIP LAYOUT & MOUNTING DETAILS



3529

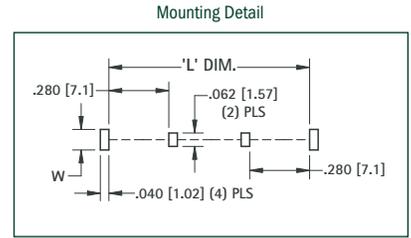
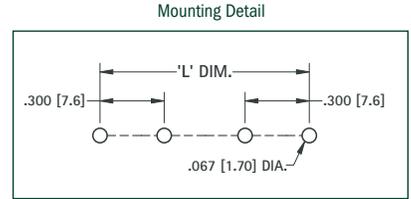
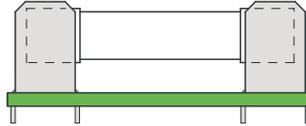
CAT. NO. 3510, 3511, 3513, 3514, 3529

DESIGNATION	FUSE SIZE	L DIM.
1AG	.250 (6.4) × .625 (15.9)	.750 (19.1)
7AG	.250 (6.4) × .875 (22.2)	1.000 (25.4)
8AG	.250 (6.4) × 1.000 (25.4)	1.125 (28.6)
3AG	.250 (6.4) × 1.250 (31.8)	1.375 (34.9)

CAT. NO. 3515, 3515P, 3516P

DESIGNATION	FUSE SIZE	L DIM.
1AG	.250 (6.4) × .625 (15.9)	.735 (18.7)
7AG	.250 (6.4) × .875 (22.2)	.985 (25.0)
8AG	.250 (6.4) × 1.000 (25.4)	1.100 (28.0)
3AG	.250 (6.4) × 1.250 (31.8)	1.360 (34.6)

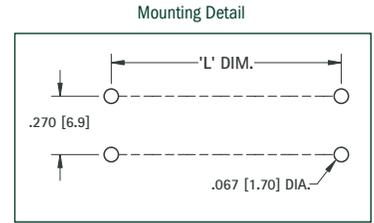
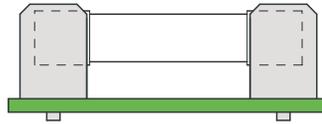
ORIENTATION LEGS	
CAT. NO.	W
3515	.062 (1.6)
3515P	.095 (2.4)
3516P	.122 (3.1)



3530

FOR CAT. NO. 3530

DESIGNATION	FUSE SIZE	L DIM.
1AG	.250 (6.4) × .625 (15.9)	.450 (11.4)
7AG	.250 (6.4) × .875 (22.2)	.700 (17.8)
8AG	.250 (6.4) × 1.000 (25.4)	.825 (21.0)
3AG	.250 (6.4) × 1.250 (31.8)	1.075 (27.3)



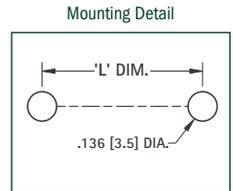
RIVET MOUNT



3535

FOR CAT. NO. 3531, 3533, 3535, 3570

DESIGNATION	FUSE SIZE	L DIM.
1AG	.250 (6.4) × .625 (15.9)	.450 (11.4)
7AG	.250 (6.4) × .875 (22.2)	.700 (17.8)
8AG	.250 (6.4) × 1.000 (25.4)	.825 (21.0)
3AG	.250 (6.4) × 1.250 (31.8)	1.075 (27.3)



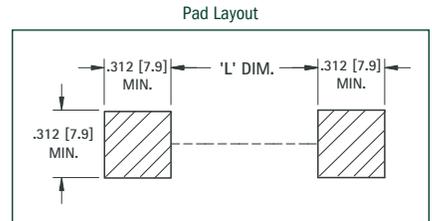
SURFACE MOUNT



3533

FOR CAT. NO. 3531, 3533, 3535, 3570

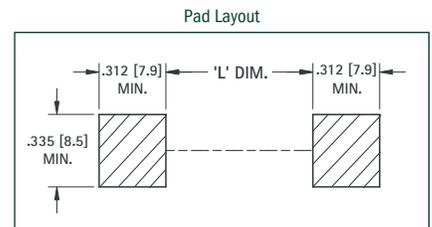
DESIGNATION	FUSE SIZE	L DIM.
1AG	.250 (6.4) × .625 (15.9)	.120 (3.0)
7AG	.250 (6.4) × .875 (22.2)	.365 (9.3)
8AG	.250 (6.4) × 1.000 (25.4)	.490 (12.4)
3AG	.250 (6.4) × 1.250 (31.8)	.740 (18.8)



3532

FOR CAT. NO. 3532, 3567

DESIGNATION	FUSE SIZE	L DIM.
1AG	.250 (6.4) × .625 (15.9)	.195 (5.0)
7AG	.250 (6.4) × .875 (22.2)	.445 (11.3)
8AG	.250 (6.4) × 1.000 (25.4)	.570 (14.5)
3AG	.250 (6.4) × 1.250 (31.8)	.820 (20.8)





A large grid of graph paper for taking notes, consisting of a uniform pattern of small squares.