

## Data sheet Housing C12

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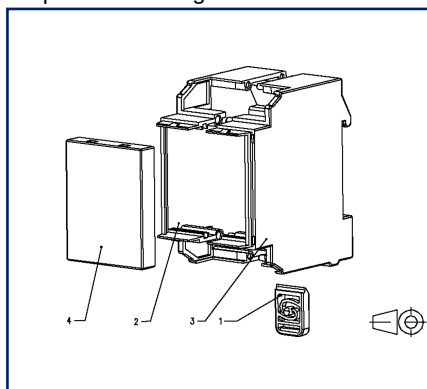
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### Illustrations

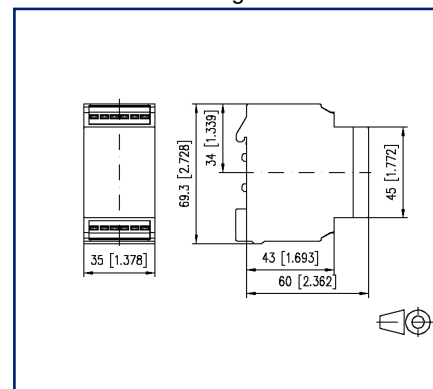


Illustration shows variants of the housing

Exploded drawing



Dimensional drawing



See enlarged drawings at the end of document

### Product specification

- DIN rail housing C12
- housing width 35 mm
- cap dimension 45 mm
- suitable for mounting on TH35 rail acc. to IEC 60715
- 2 x 6 connection poles
- screw and spring clamp solutions
- housing is supplied in single parts



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### Technical Data

General information The technical values refer to the completely assembled condition.

#### Housing

##### Dimensions

|                                                           |                                   |
|-----------------------------------------------------------|-----------------------------------|
| Dimension (W x H x D)                                     | 35 mm x 69.3 mm x 60 mm           |
| Dimension (W x H x D)                                     | 1.378 in. x 2.728 in. x 2.362 in. |
| Number of connection poles                                | 2 x 6 connection poles            |
| Mounting style                                            | Standard rail TH35                |
| Protection category - housing (acc. to IEC 60529)         | IP40                              |
| Protection category - terminal blocks (acc. to IEC 60529) | IP20                              |

#### Material

##### Color

|               |                   |
|---------------|-------------------|
| housing color | gray              |
| Cover color   | gray, transparent |
| Bolt color    | black             |

##### Material

|                                           |                    |
|-------------------------------------------|--------------------|
| Material - Housing                        | PA 6.6 UL 94 V-0   |
| UL file number material housing           | E307234, E86034    |
| Material - transparent cover              | PC UL 94 V-2       |
| UL file number material transparent cover | E41613             |
| Material - gray cover                     | PC (polycarbonate) |
| Material - bolt                           | POM UL 94 HB       |
| UL file number material bolt              | E42337             |

##### Flammability class

|                                                      |    |
|------------------------------------------------------|----|
| Flammability class acc. to UL 94 - housing           | V0 |
| Flammability class acc. to UL 94 - transparent cover | V2 |
| Flammability class acc. to UL 94 - gray cover        | V2 |
| Flammability class acc. to UL 94 - bolt              | HB |

#### Thermal aging resistance housing material

##### RTI Elec acc. to UL 746B

|                                    |                 |
|------------------------------------|-----------------|
| Temperature °F (max.) - housing    | 130 °C / 266 °F |
| Temperature °F (max.) - cover (PC) | 125 °C / 257 °F |
| Temperature °F (max.) - bolt       | 110 °C / 230 °F |



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### Technical Data

#### Thermal aging resistance housing material

acc. to ISO 75-1, -2

|                                        |                 |
|----------------------------------------|-----------------|
| Temperature °F (1.8 MPa) - housing     | 85 °C / 185 °F  |
| Temperature °F (0.45 MPa) - housing    | 185 °C / 365 °F |
| Temperature °F (1.8 MPa) - cover (PC)  | 125 °C / 257 °F |
| Temperature °F (0.45 MPa) - cover (PC) | 137 °C / 279 °F |
| Temperature °F (1.8 MPa) - bolt        | 104 °C / 219 °F |
| Temperature °F (0.45 MPa) - bolt       | 160 °C / 320 °F |

#### Classifications

|          |          |
|----------|----------|
| ETIM 5.0 | EC001031 |
| ETIM 6.0 | EC001031 |
| ETIM 7.0 | EC001031 |
| ETIM 8.0 | EC001031 |

## Suitable terminal block

| P/N             | Designation                                      |
|-----------------|--------------------------------------------------|
| 31071106        | RT02506HBLC Type 071, 6-pole                     |
| 31071106-000101 | RT02506HBLC0101 Type 071 special version, 6-pole |
| AJT0DA8813-5100 | AJT0DA, C6 UTP, black                            |
| AJT0DA8813-5150 | AJT0DA, C6 FTP, black                            |
| AJT0DA8813-5200 | AJT0DA, C6 UTP, white                            |
| AJT0DA8813-5250 | AJT0DA, C6 FTP, white                            |
| AJT1DA8813-5100 | AJT1DA, C6 <sub>A</sub> UTP, black               |
| AJT1DA8813-5150 | AJT1DA, C6 <sub>A</sub> FTP, black               |
| AJT1DA8813-5200 | AJT1DA, C6 <sub>A</sub> UTP, white               |
| AJT1DA8813-5250 | AJT1DA, C6 <sub>A</sub> FTP, white               |
| SR25506HBNC     | SR25506HBNC, 6-pole                              |
| ST25506HBNN     | ST25506HBNN, 6-pole                              |

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### Consisting of

| P/N       | Designation                            | Numbering |
|-----------|----------------------------------------|-----------|
| 381002-2  | Bolt C housing, black                  | 1         |
| 381012-10 | Half of housing C12 left, gray, 35 mm  | 2         |
| 381013-10 | Half of housing C12 right, gray, 35 mm | 3         |
| 381014-16 | Cover C12, transparent, 35 mm          | 4         |
| 381015-10 | Cover C12, gray, 35 mm                 | 4         |

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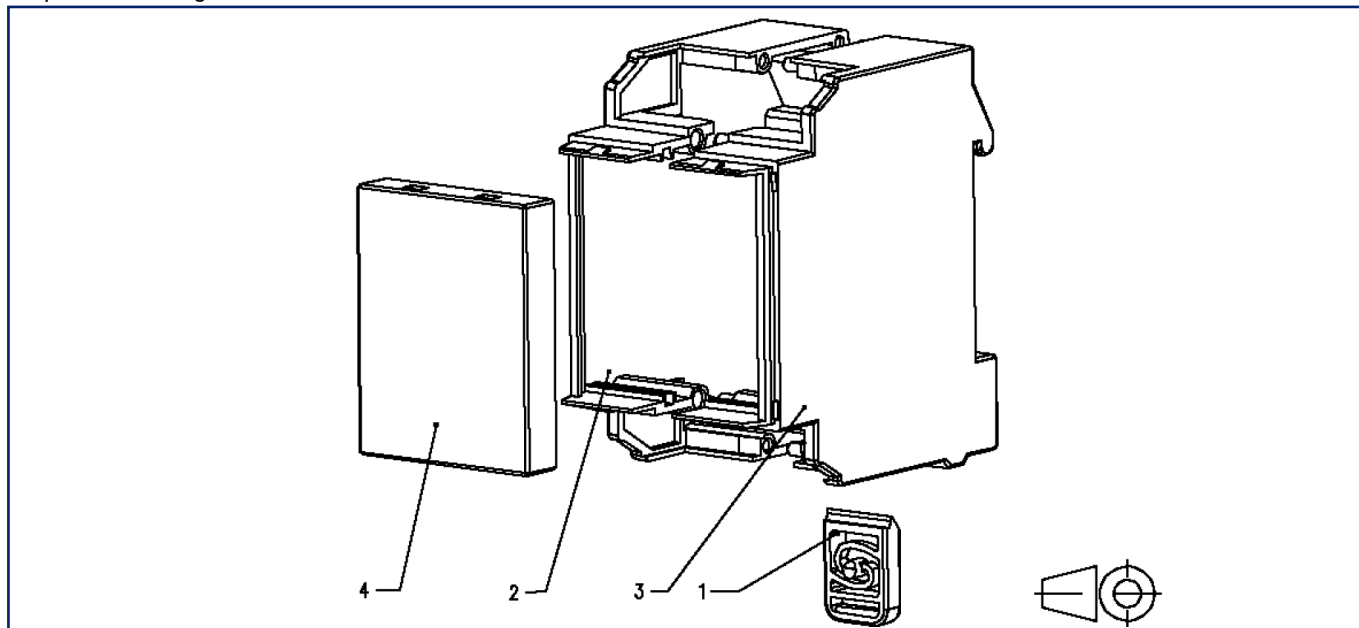
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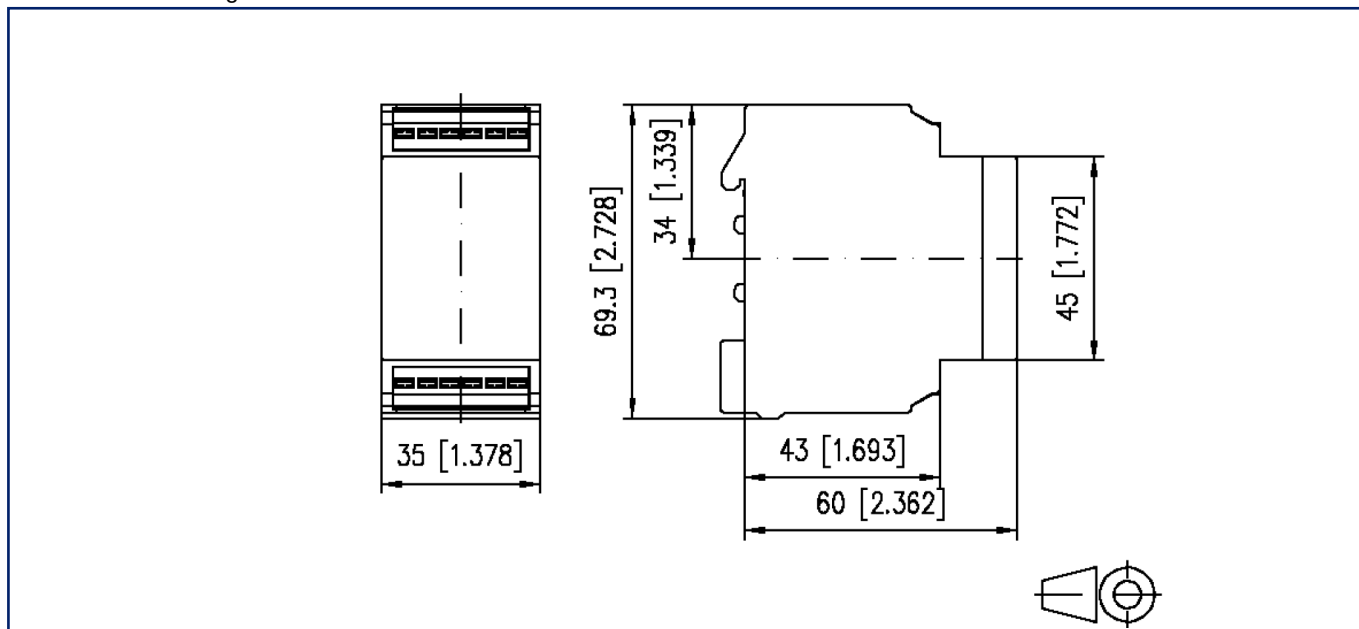
### Illustrations

Exploded drawing



Housing is supplied in single parts

Dimensional drawing



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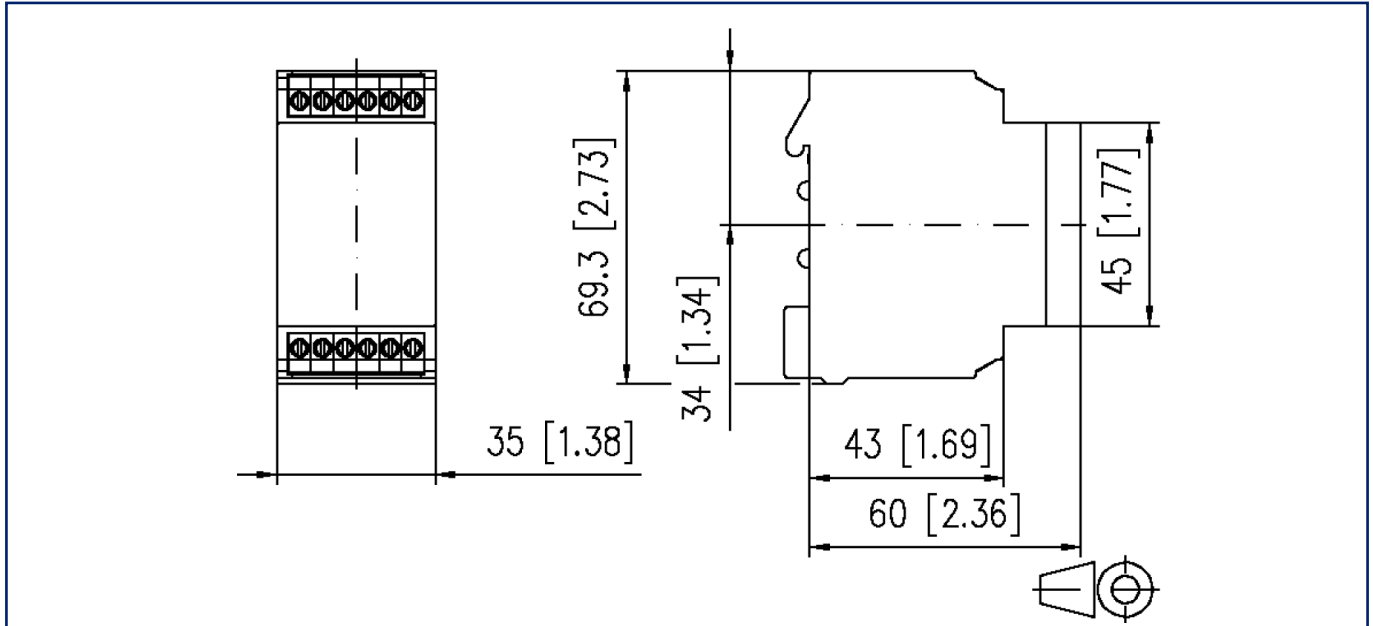
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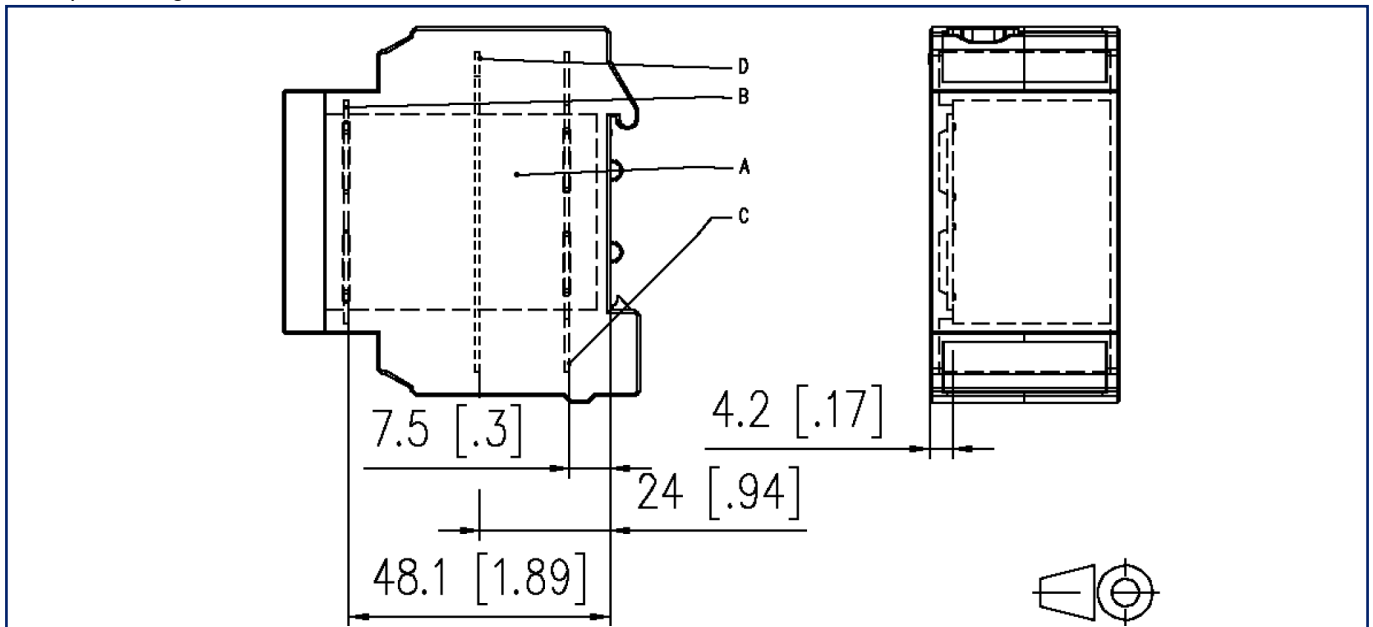
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### Illustrations

#### Dimensional drawing



#### PCB positioning



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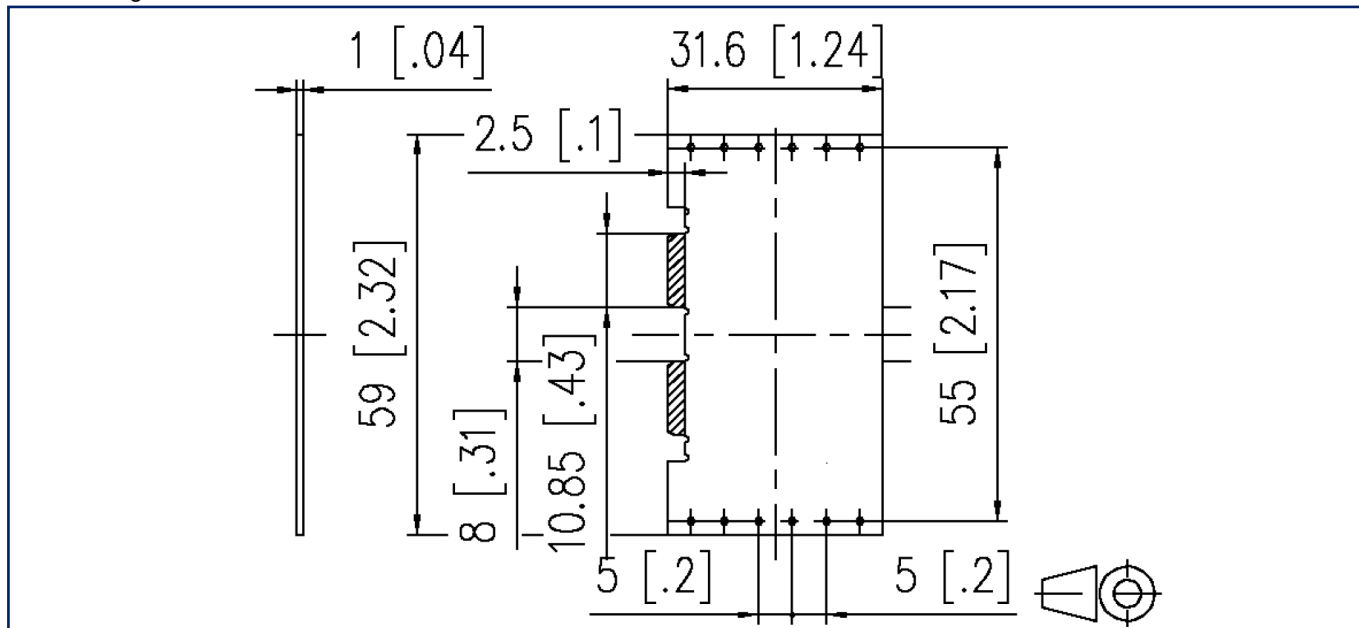
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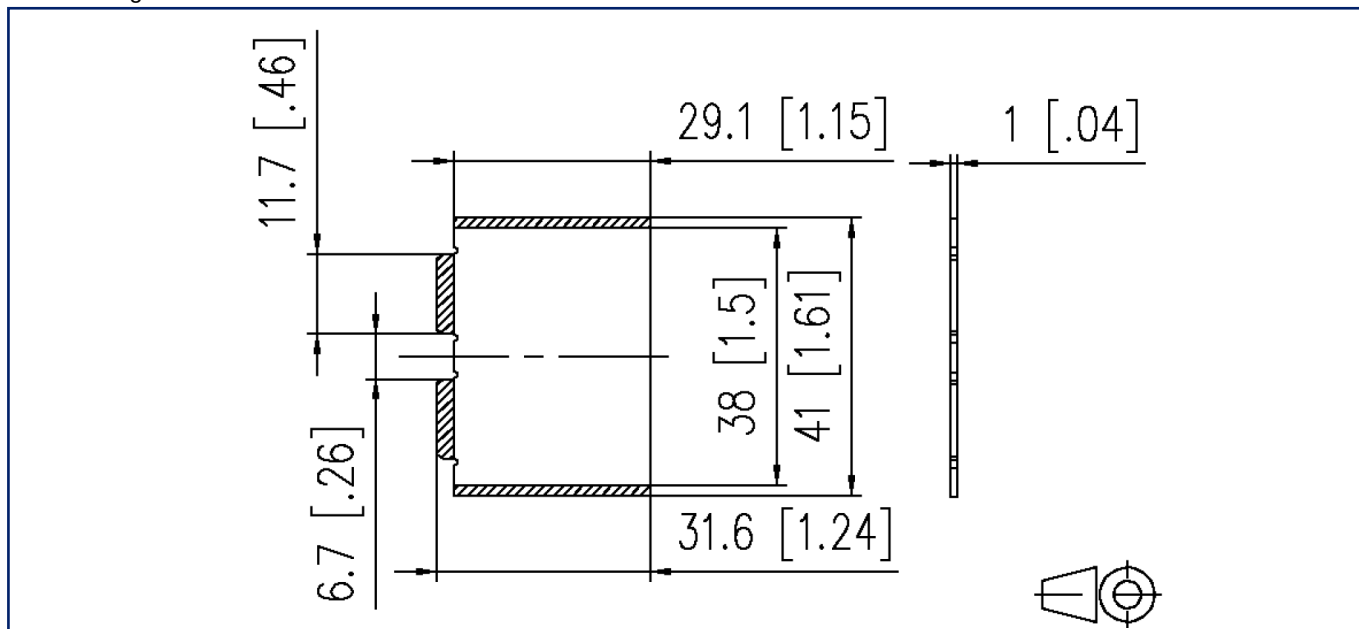
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### Illustrations

PCB cutting below



PCB cutting above





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## Data sheet Housing C12

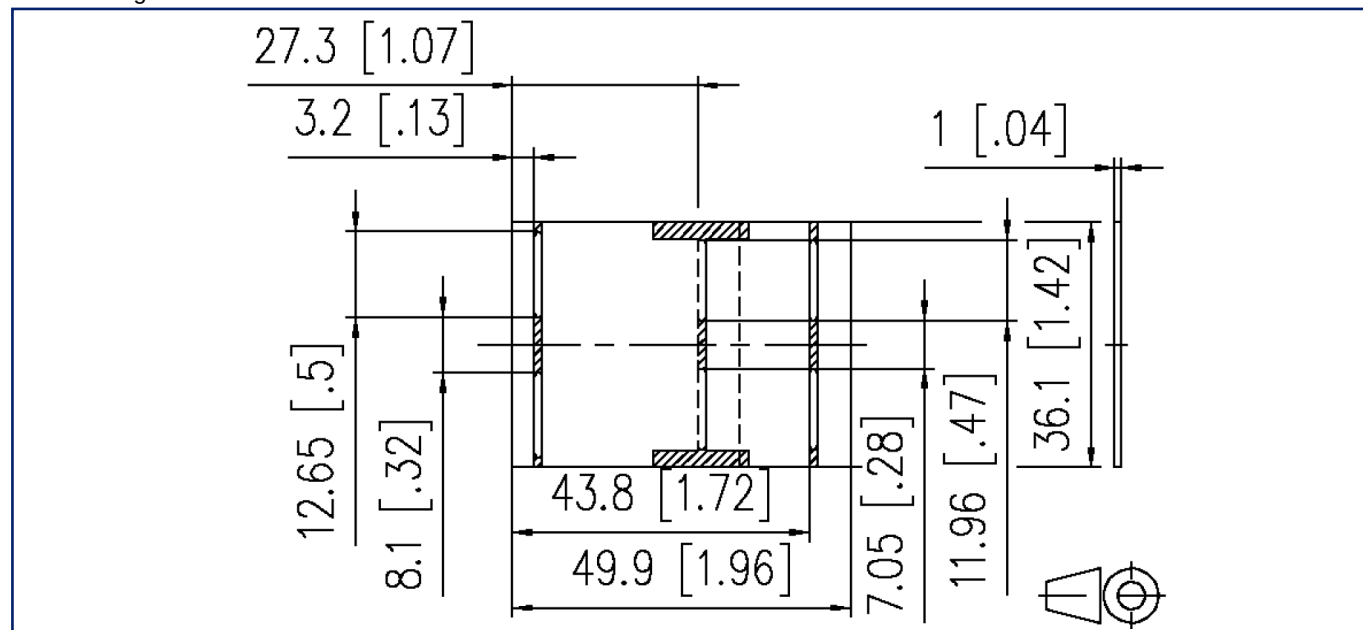
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### Illustrations

PCB cutting vertical



PCB cutting middle

