27E488 Product Details

No Image Available

27E488

TE Internal Number: 2-1419106-0

✔ Active

Relay Sockets and Accessories

🍃 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:
- Socket
- K10 Series
- Socket Type = Panel Mount
- 2 Poles
- Terminal Configuration = Solder

Documentation & Additional Information

Product Drawings:
- None Available

Catalog Pages/Data Sheets:
- K10 Sockets & Accessories (PDF, English)

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- None Available

CAD Files:
- None Available

Additional Information:
- Product Line Information

Additional Product Images:
- Schematic
- Chassis Cutout

Related Products:
- Tooling

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:
- Product Type = Socket
- Series = K10
- Terminal Configuration = Solder

Body Features:
- Socket Type = Panel Mount

**Contact Features:**
- Number of Poles = 2

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

Other:
- Brand = Potter & Brumfield

Sockets & Accessories, K10 Relays

- ■ **Sockets for 2 pole relays with solder terminals**
- ■ **Solder, PCB or screw terminal sockets**
- ■ **Hold down springs**
- ■ **Plates and brackets permit various mounting options**
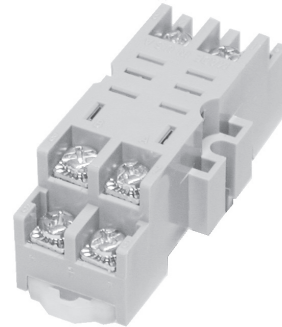
Approvals
UL E59244, CSA LR15734
Technical data of approved types on request
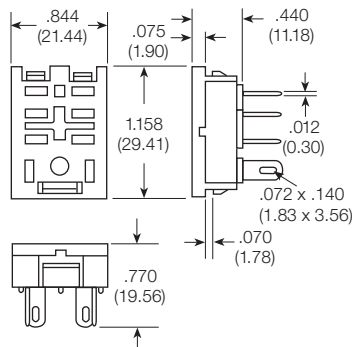
Technical Data

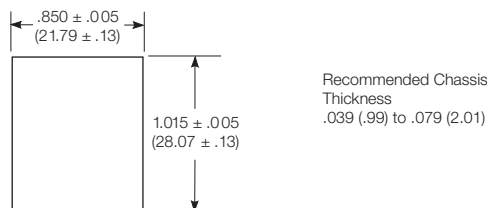|	
Socket contact material	Spring brass, tin plated
Socket body material	
Solder and PCB terminal models	Nylon
Screw terminal models	Glass-filled polyester
Maximum current	10A

Ordering Code

Product Code	Poles	Terminal type	Part number
27E488	2	solder terminals	2-1419106-0
27E489	2	PCB terminals	2-1419106-1

Dimensions

27E488 socket with solder terminals

27E489 socket with printed circuit terminals

Recommended chassis cutout for solder terminal socket 27E488

Recommended Chassis
Thickness
.039 (.99) to .079 (2.01)
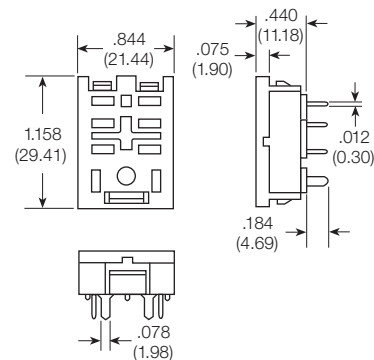
Caution: Printed circuit sockets are manufactured with "floating" (Loose) terminals. This permits them to align with holes in the circuit board and with the relay terminals. During the mounting and soldering of the socket, vertical float should be eliminated and the terminals seated on the board. (This may be accomplished by inserting a dummy relay in the socket.) Failure to eliminate float may cause fracture of the solder joint or separation of the copper conductor from the printed circuit board when a relay is inserted in the socket after soldering.

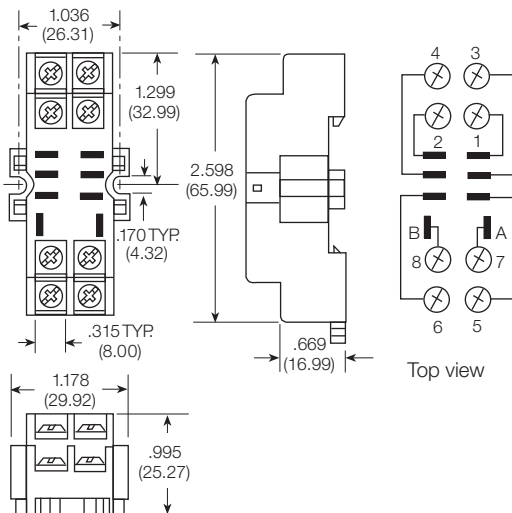PC board layout (bottom view) for PCB terminal socket 27E489
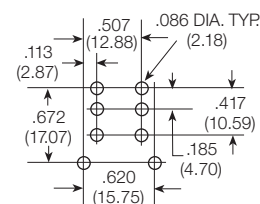
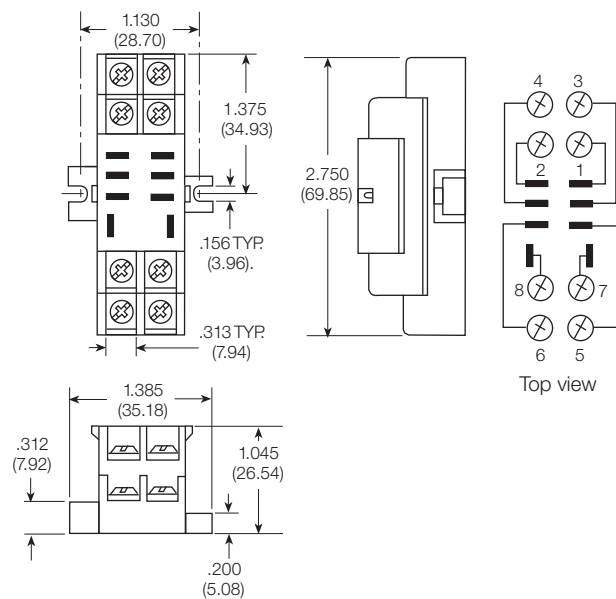## Sockets & Accessories, K10 Relays (Continued)

Ordering Code

Product Code	Terminal type	Mounting	Part number
27E895	screw terminals	DIN rail snap mount	2-1419106-7
27E487		Conventional	1-1419106-9

Dimensions and terminal location

Screw terminal, DIN rail, snap-mount socket 27E895

1.036 (26.31)
1.299 (32.99)
2.598 (65.99)
.170 TYP. (4.32)
.315 TYP. (8.00)
.669 (16.99)
1.178 (29.92)
.995 (25.27)

4 3
2 1
B A
8 7
6 5
Top view

Screw terminal socket 27E487

1.130 (28.70)
1.375 (34.93)
2.750 (69.85)
.156 TYP. (3.96)
.313 TYP. (7.94)
1.385 (35.18)
.312 (7.92)
1.045 (26.54)
.200 (5.08)

4 3
2 1
8 7
6 5
Top view

Ordering Code

Product Code	Description	Part number
20C217	Relay hold down spring - use with 27E488 and 27E489	1419111-2
20C426	Relay hold down spring - use with 27E487 and 27E895	5-1393159-1
37D633	Mounting strip - accepts eight 27E488	1419111-7
24A110	Mounting track	1419111-6
24A071	Steel mounting clip with #6-32 screw - use with 27E487 on 24A110 track	1419111-5
24A072	Plastic twist mounting clip - use with 27E487 on 24A110 track	5-1393159-4
40G432	Plastic insulator - use with 24A071 to make end clip for 24A110 track	9-1393159-5

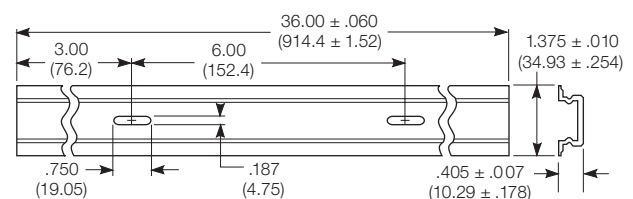All accessories must be ordered separately.

Dimensions

37D633 mounting strip

.629 (15.98)
1.388 (35.26)
1.323 (33.60)
1.388 (35.26)
.090 R. (2.29)
.25 (6.4)
.617 (15.67)
1.750 (44.45)
1.015 (25.78)
.090 (2.29)
.429 (10.90)
.16 (4.1)
.180 (4.57)
.858 (21.79)
.065 (1.65)
.32 (8.1)
.13 (3.3)
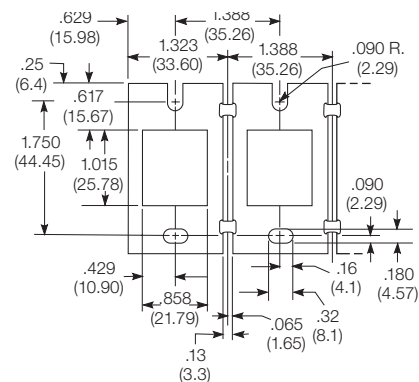
37D633 will mount eight solder terminal sockets in one length of aluminum strip measuring 10.97" x 2.25" x .062 (278.6 x 57.15 x 1.57)

24A110 DIN rail style mounting track

36.00 ± .060 (914.4 ± 1.52)
3.00 (76.2)
6.00 (152.4)
1.375 ± .010 (34.93 ± .254)
.750 (19.05)
.187 (4.75)
.405 ± .007 (10.29 ± .178)

24A110 mounting track is designed to accept snap-mount sockets, as well as other P&B screw terminal sockets. Track is made of lightweight, sturdy extruded aluminum and is shipped in three-foot (914cm) lengths with mounting holes on six-inch (152mm) centers. Track can be cut to shorter lengths or used end-to-end.

Track and mounting accessories

24A110
40G432
24A072
24A071