

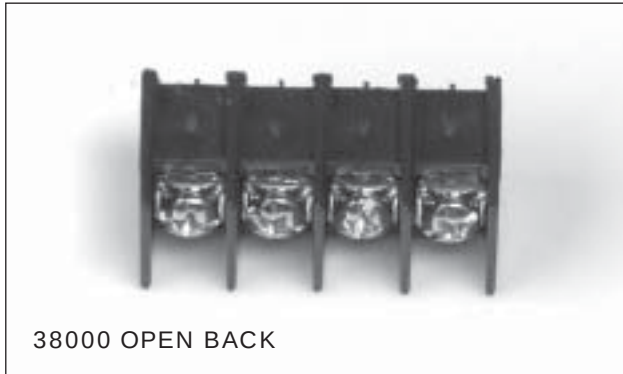
# Series 37000/38000 .375" (3/8") 9.52mm Center-to-Center Spacing

Single Row

BARRIER STYLE



37000 TRI BARRIER



38000 OPEN BACK

## Features:

- Complete line of .375" centerline terminal block styles. Terminal blocks come in surface mount, PC mount, panel mount, and feed-thru styles with a wide variety of top and bottom terminations available
- Compliant contact design virtually eliminates solder joint fractures due to pin twist
- Standoffs are molded into blocks to prevent trapping solder flux and to aid in the board cleaning process
- Broad wire range. The 37000/38000 Series terminal blocks will accommodate wire sizes up to 12AWG
- Full line of accessories complements the 37000/38000 Series terminal blocks, offering greater design flexibility
- All Curtis terminal blocks for electronic applications are made from self-extinguishing material rated 94V-0 by Underwriters Laboratories, Inc.
- Customized terminal blocks are available for special application by consulting any authorized Curtis distributor, Curtis representative, or by contacting the Curtis factory direct



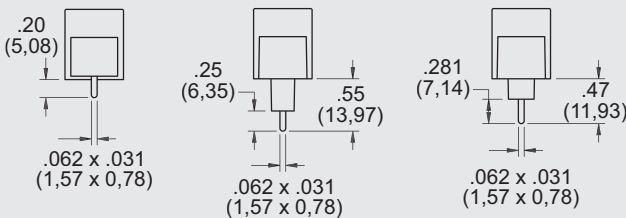
Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.



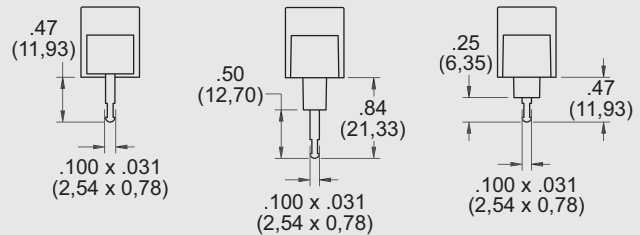
Guide No. 22.2 No. 158, Report No. LR39186-1.

## SERIES 38000 VARIATIONS

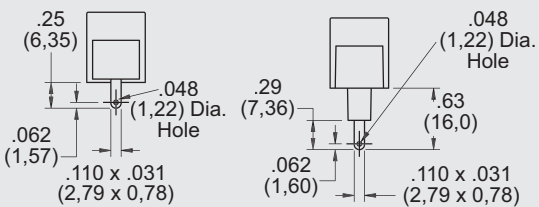
### 1 - Printed Circuit Pin



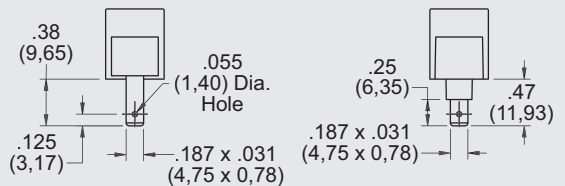
### 2 - Turret Type Solder Terminal



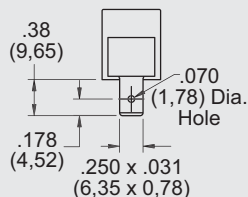
### 3 - .110" Quick Connect



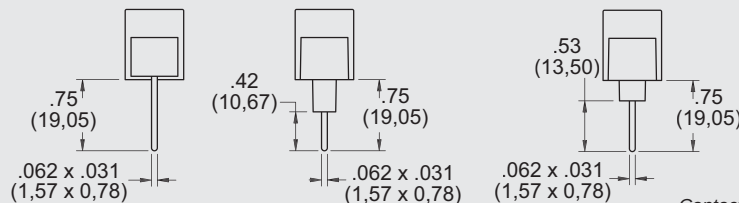
### 4 - .187" Quick Connect



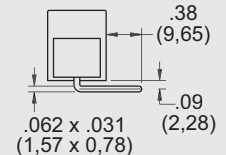
### 5 - .250" Quick Connect



### 6 - Wire Wrap/Printed Circuit Pin



### 7 - Wire Wrap/Right Angle Printed Circuit Pin



NOTE: Standard bend shown. Contact factory for other bend dimensions.

**Specifications:**

**Center-to-Center Spacing:** .375"  
(9.52mm)

**Wire Range:** No. 22AWG to No. 12AWG

**No. of Terminals:** 1 thru 26 (28 positions  
on surface mount without mounting  
ends)

**Voltage Rating:** 300V

**Tightening Torque:**

Wire Binding Screw 9 in.-lb.

Wire Clamp 9 in.-lb.

**Current Rating:** 20 amps

**Housing:**

Material Polypropylene

Continuous Use

Temp. (UL Index) 105°C

Flammability Rating 94V-0

Water Absorption  
(24 hrs. % wt. gain) .03%

Chemical Resistance Excellent

**Breakdown Voltage:**

3,000V Typ.

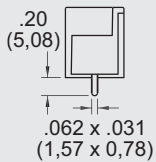
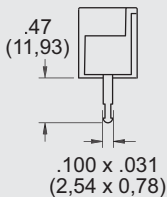
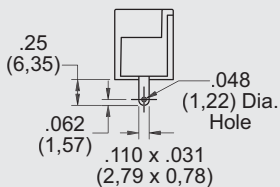
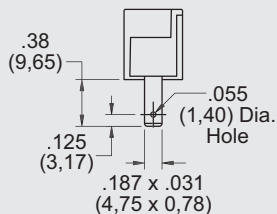
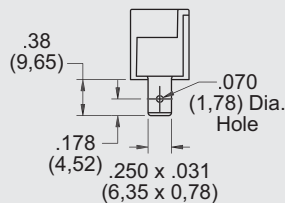
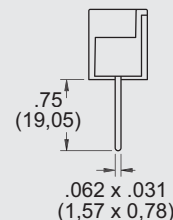
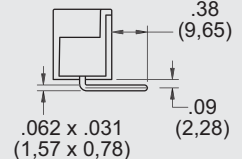
Terminal - Ground 4,700 Typ.

**Terminals:** Brass, Tin-plated

| Series 37000 and 38000<br>With Mounting Ends |                                       |                |                                        |                |                                |                | Without<br>Mounting<br>Ends    |                |
|----------------------------------------------|---------------------------------------|----------------|----------------------------------------|----------------|--------------------------------|----------------|--------------------------------|----------------|
| Number<br>of<br>Terminals                    | Dimensions                            |                |                                        |                |                                |                |                                |                |
|                                              | A ± .031 Overall<br>Dimensions (O.D.) |                | B ± .031 Mounting<br>Dimensions (M.D.) |                | C ± .031 Less<br>Mounting Ends |                | A ± .031 Less<br>Mounting Ends |                |
|                                              | Inches                                | Metric<br>(mm) | Inches                                 | Metric<br>(mm) | Inches                         | Metric<br>(mm) | Inches                         | Metric<br>(mm) |
| 1                                            | 1.200                                 | 30.48          | .750                                   | 19.05          | .450                           | 11.43          | —                              | —              |
| 2                                            | 1.575                                 | 40.01          | 1.125                                  | 28.58          | .825                           | 20.96          | .825                           | 20.96          |
| 3                                            | 1.950                                 | 49.53          | 1.500                                  | 38.1           | 1.200                          | 30.48          | 1.200                          | 30.48          |
| 4                                            | 2.325                                 | 59.06          | 1.875                                  | 47.63          | 1.575                          | 40.01          | 1.575                          | 40.01          |
| 5                                            | 2.700                                 | 68.58          | 2.250                                  | 57.15          | 1.950                          | 49.53          | 1.950                          | 49.53          |
| 6                                            | 3.075                                 | 78.11          | 2.625                                  | 66.68          | 2.325                          | 59.06          | 2.325                          | 59.06          |
| 7                                            | 3.450                                 | 87.63          | 3.000                                  | 76.2           | 2.700                          | 68.58          | 2.700                          | 68.58          |
| 8                                            | 3.825                                 | 97.16          | 3.375                                  | 85.73          | 3.075                          | 78.11          | 3.075                          | 78.11          |
| 9                                            | 4.200                                 | 106.68         | 3.750                                  | 95.25          | 3.450                          | 87.63          | 3.450                          | 87.63          |
| 10                                           | 4.575                                 | 116.21         | 4.125                                  | 104.78         | 3.825                          | 97.16          | 3.825                          | 97.16          |
| 11                                           | 4.950                                 | 125.73         | 4.500                                  | 114.3          | 4.200                          | 106.68         | 4.200                          | 106.68         |
| 12                                           | 5.325                                 | 135.26         | 4.875                                  | 123.83         | 4.575                          | 116.21         | 4.575                          | 116.21         |
| 13                                           | 5.700                                 | 144.78         | 5.250                                  | 133.35         | 4.950                          | 125.73         | 4.950                          | 125.73         |
| 14                                           | 6.075                                 | 154.31         | 5.625                                  | 142.88         | 5.325                          | 135.26         | 5.325                          | 135.26         |
| 15                                           | 6.450                                 | 163.83         | 6.000                                  | 152.4          | 5.700                          | 144.78         | 5.700                          | 144.78         |
| 16                                           | 6.825                                 | 173.36         | 6.375                                  | 161.93         | 6.075                          | 154.30         | 6.075                          | 154.31         |
| 17                                           | 7.200                                 | 182.88         | 6.750                                  | 171.45         | 6.450                          | 163.83         | 6.450                          | 163.83         |
| 18                                           | 7.575                                 | 192.41         | 7.125                                  | 180.98         | 6.825                          | 173.36         | 6.825                          | 173.36         |
| 19                                           | 7.950                                 | 201.93         | 7.500                                  | 190.5          | 7.200                          | 182.88         | 7.200                          | 182.88         |
| 20                                           | 8.325                                 | 211.48         | 7.875                                  | 200.03         | 7.575                          | 192.40         | 7.575                          | 192.41         |
| 21                                           | 8.700                                 | 220.98         | 8.250                                  | 209.55         | 7.950                          | 201.93         | 7.950                          | 201.93         |
| 22                                           | 9.075                                 | 230.51         | 8.625                                  | 219.08         | 8.325                          | 211.46         | 8.325                          | 211.46         |
| 23                                           | 9.450                                 | 240.03         | 9.000                                  | 228.6          | 8.700                          | 220.98         | 8.700                          | 220.98         |
| 24                                           | 9.825                                 | 249.56         | 9.375                                  | 238.13         | 9.075                          | 230.50         | 9.075                          | 230.51         |
| 25                                           | 10.200                                | 259.08         | 9.750                                  | 247.65         | 9.450                          | 240.03         | 9.450                          | 240.03         |
| 26                                           | 10.575                                | 268.61         | 10.125                                 | 257.18         | 9.825                          | 249.56         | 9.825                          | 249.56         |

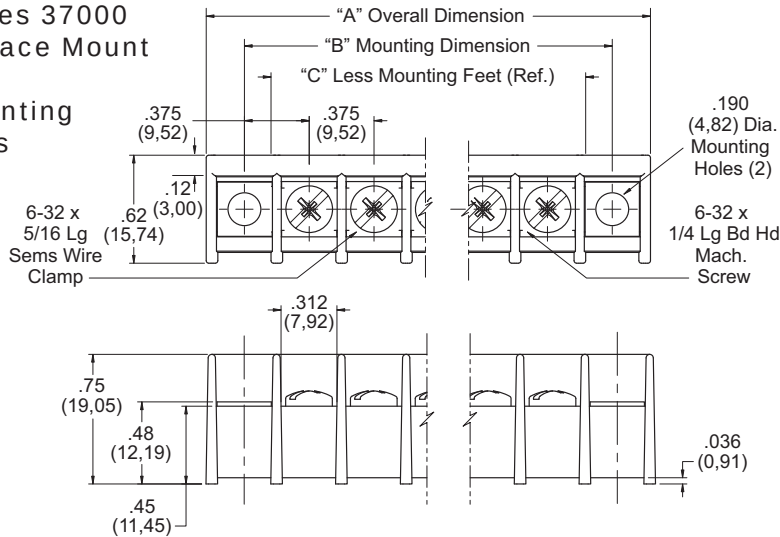
Dimensions shown are ± 0.030"

## SERIES 37000 VARIATIONS

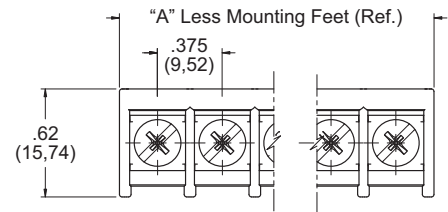
**1 – Printed Circuit Pin****2 – Turret Type Solder Terminal****3 – .110" Quick Connect****4 – .187" Quick Connect****5 – .250" Quick Connect****6 – Wire Wrap/Printed Circuit Pin****7 – Wire Wrap/Right Angle Printed Circuit Pin**

# Series 37000/38000

## Series 37000 Surface Mount with Mounting Ends



## Series 37000 Surface Mount without Mounting Ends



## How to Order T37 X X X XX X

### MOLDING DESIGN ]

- 0 = Surface Mount w/ Mounting Ends
- 1 = Surface Mount w/o Mounting Ends

### INSERT OR BOTTOM

#### TERMINATION DESIGN ]

- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Wire Wrap Pin
- 7 = Right Angle Printed Circuit

### [ SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- A-Z = Custom Configuration

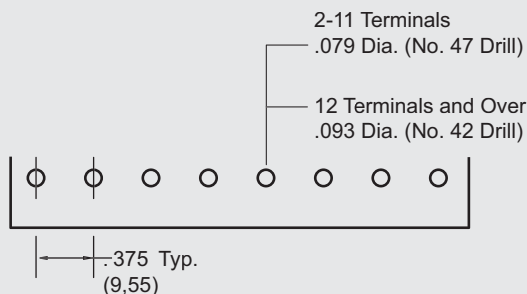
### [ NUMBER OF POSITIONS

- 1 thru 26, Available in One to Twenty-Six Positions (28 Surface Mounts without Mounting Ends)

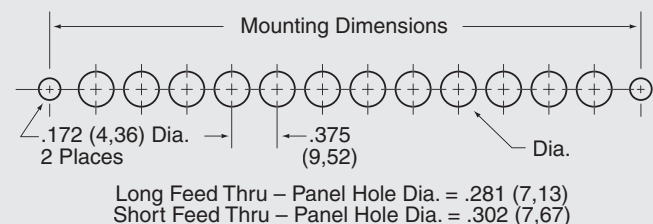
### [ HARDWARE OR TOP TERMINATION DESIGN

- 0 = Nickel Plated Steel Screw, Standard
- 1 = Wire Clamp Screws
- 2 = Nickel Plated Brass Screws
- 3 = Stainless Steel Screws
- 5 = Without Screws
- 6 = Quick Connects, Screw Type\*
- 8 = Captivated Screw

## PC BOARD DRILLING DIMENSIONS



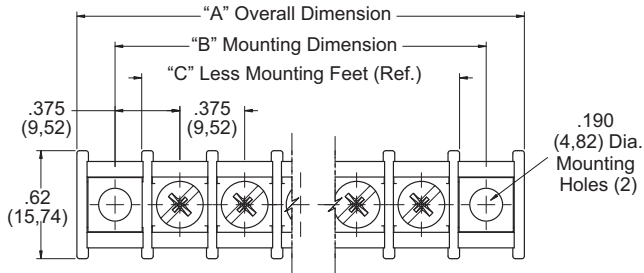
## RECOMMENDED PANEL CUTOUT DIMENSIONS



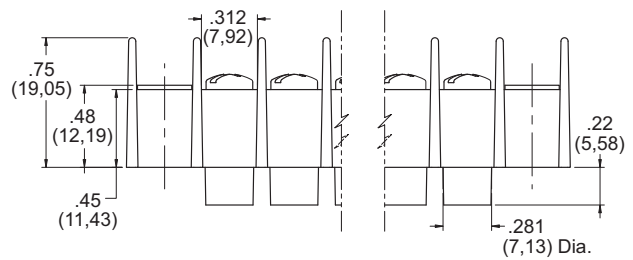
Single Row

BARRIER STYLE

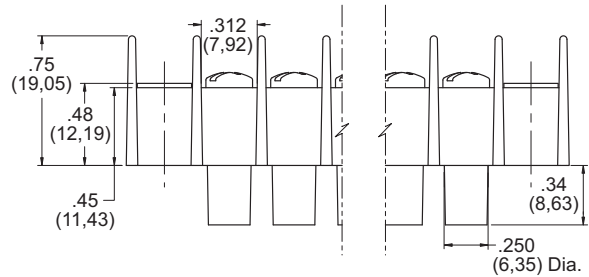
### Series 38000 Surface Mount without Mounting Ends



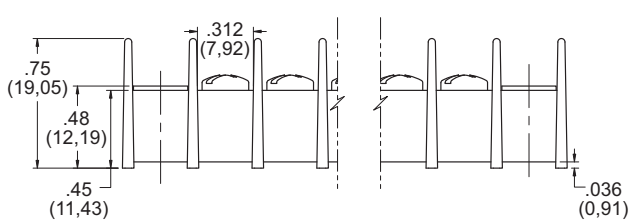
### Series 38000 Short Feed-Thru



### Series 38000 Long Feed-Thru



### Series 38000 Base Mount



## How to Order T38 X X X XX X

#### MOLDING DESIGN

- 0 = Surface Mount w/ Mounting Ends
- 1 = Surface Mount w/o Mounting Ends
- 2 = Insulated Feed Thru .250 Diameter w/ Mounting Ends
- 3 = Insulated Feed Thru .250 Diameter w/o Mounting Ends
- 4 = Insulated Feed Thru .281 Diameter w/ Mounting Ends
- 5 = Insulated Feed Thru .281 Diameter w/o Mounting Ends

#### INSERT OR BOTTOM

#### TERMINATION DESIGN

- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Wire Wrap Pin
- 7 = Right Angle Printed Circuit

#### SPECIALS OR OPTIONAL DESIGNS

- 0 = None
- A-Z = Custom Configuration

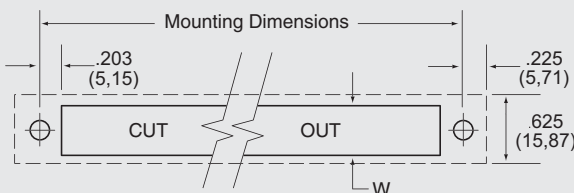
#### NUMBER OF POSITIONS

1 thru 26, Available in One to Twenty-Six Positions (28 Surface Mounts without Mounting Ends)

#### HARDWARE OR TOP TERMINATION DESIGN

- 0 = Nickel Plated Steel Screw, Standard
- 1 = Wire Clamp Screws
- 2 = Nickel Plated Brass Screws
- 3 = Stainless Steel Screws
- 5 = Without Screws
- 6 = Quick Connects, Screw Type\*
- 8 = Captivated Screw

### RECOMMENDED PANEL CUTOUT DIMENSIONS



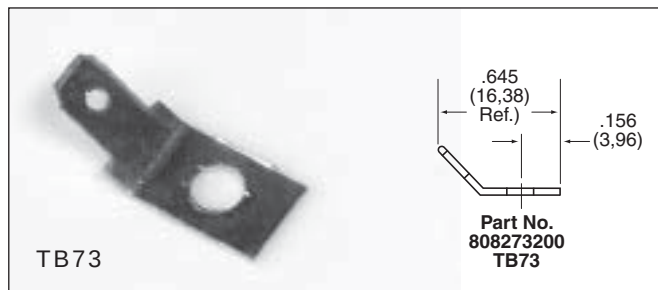
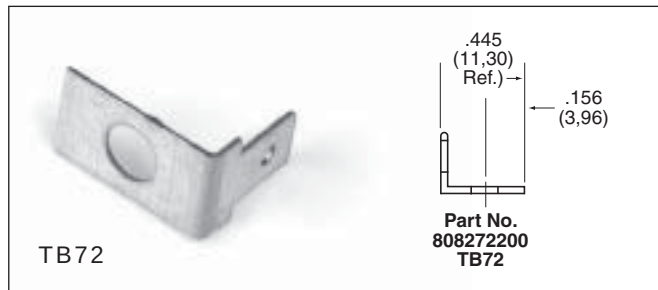
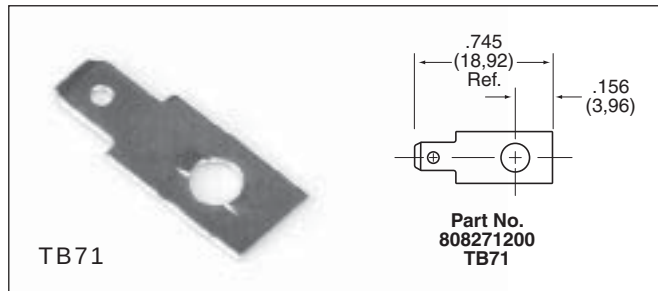
#### SURFACE MOUNT STYLES

- .187 (4,75) Tab W = .45 (11,34)
- .250 (6,35) Tab
- .110 (2,79) QC
- Wire Wrap
- Solder Tab W = .38 (9,65)

# Series 37000/38000

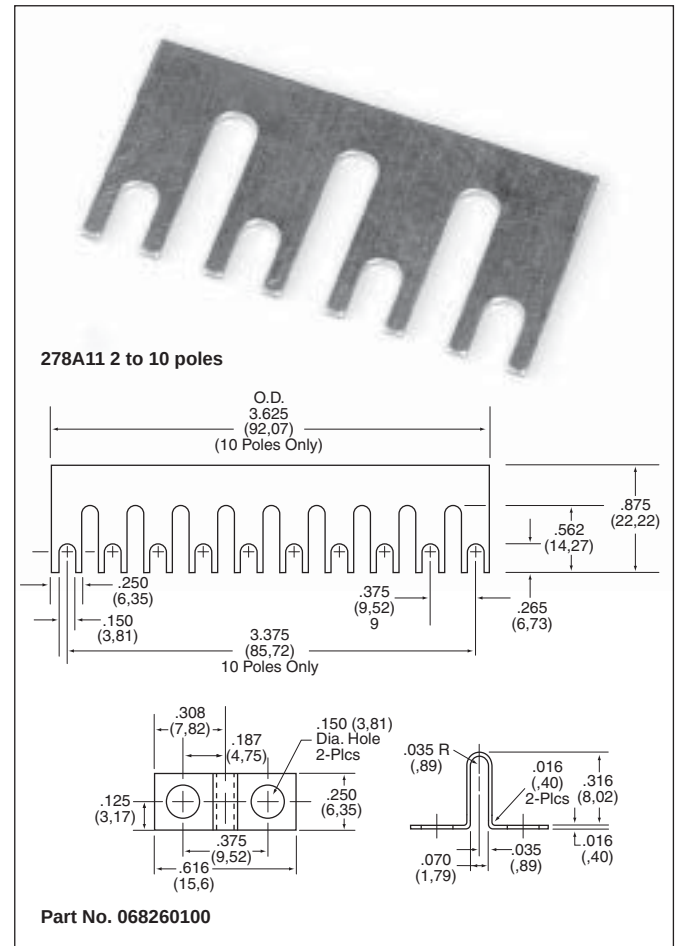
## Series 37000 Accessories

### QUICK-CONNECT TERMINALS .020 X .187

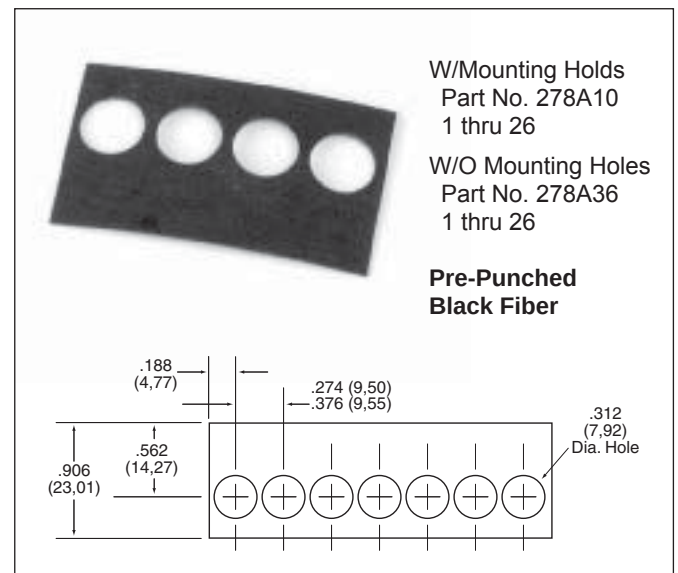


## Series 37000/38000 Accessories

### TERMINAL BLOCK JUMPERS



### MARKING STRIPS

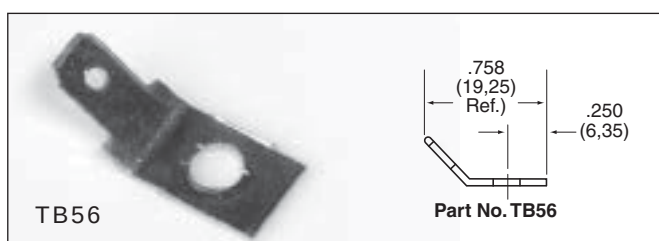
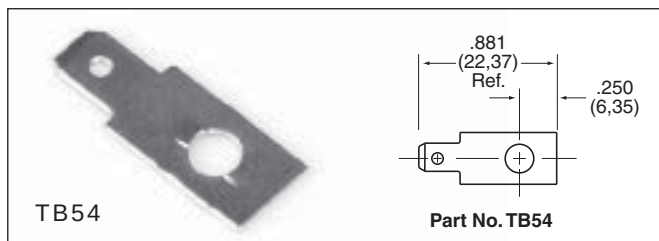
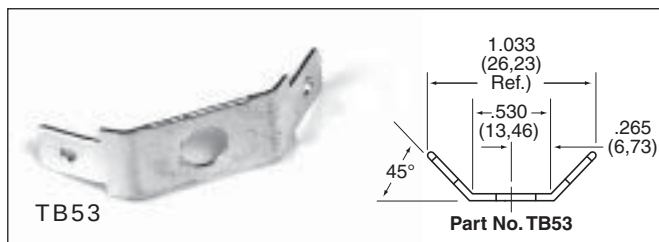
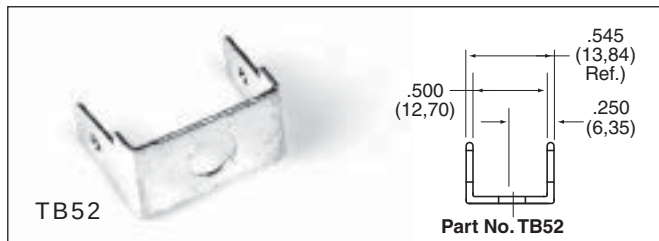
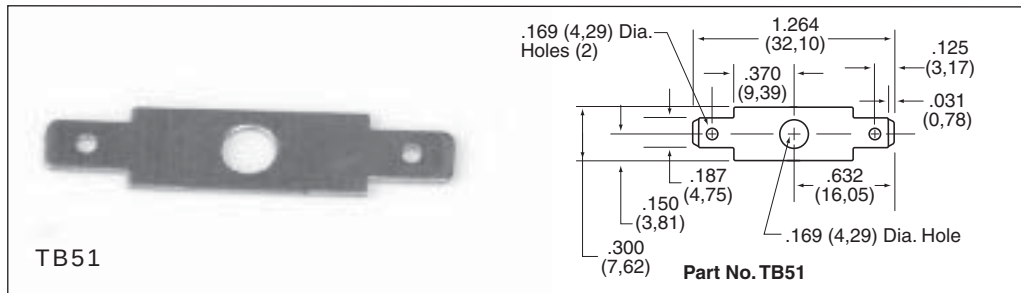


Single Row

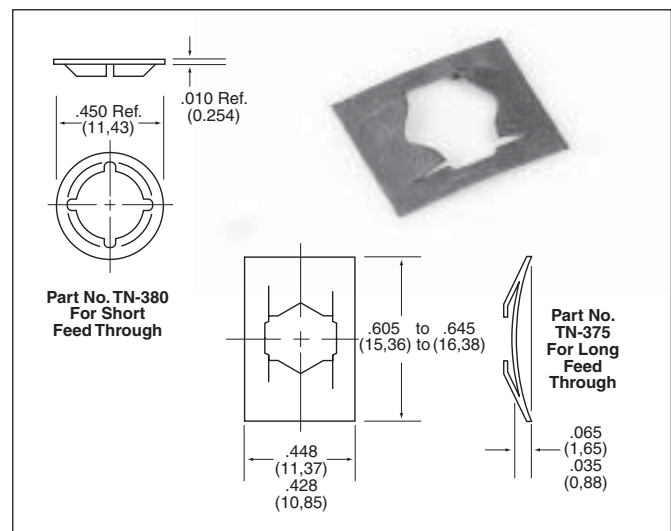
BARRIER STYLE

## Series 38000 Accessories

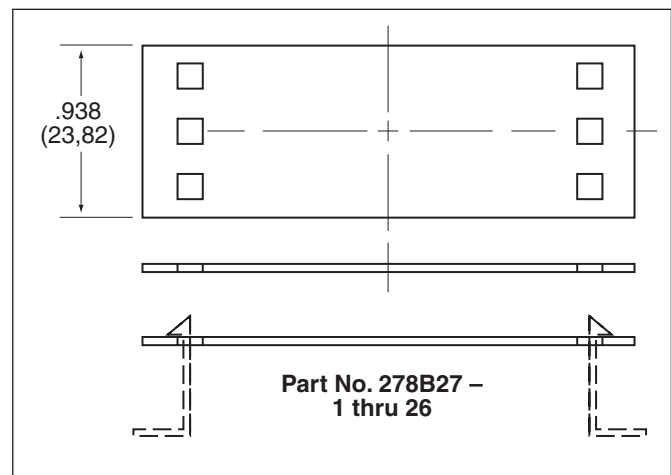
### QUICK-CONNECT TERMINALS .020 x .187"



### TINNERMAN NUTS



### COVERS



Single Row

BARRIER STYLE