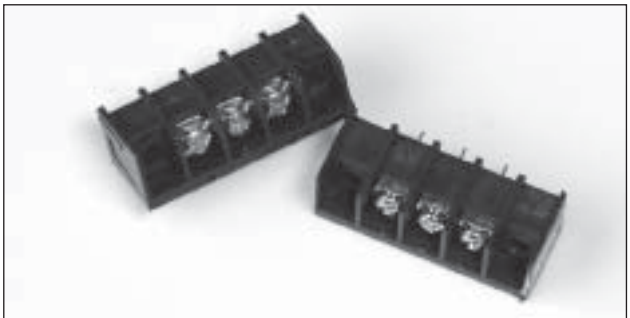
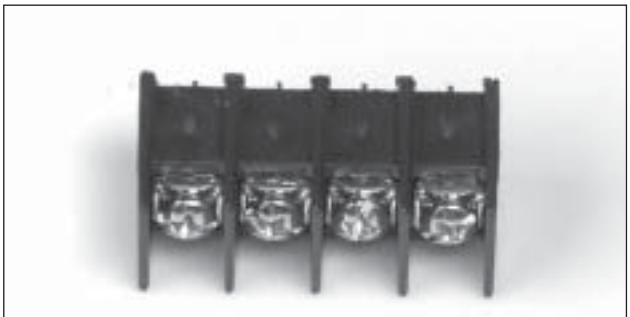


37000 TRI BARRIER



38000 OPEN BACK

Features:

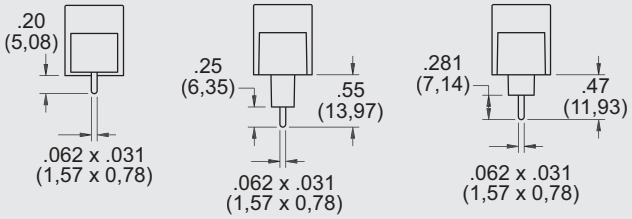
- Complete line of .375” centerline terminal block styles. Terminal blocks come in surface mount, PC mount, panel mount, and feed-thru styles with a wide variety of top and bottom terminations available
- Compliant contact design virtually eliminates solder joint fractures due to pin twist
- Standoffs are molded into blocks to prevent trapping solder flux and to aid in the board cleaning procss
- 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.

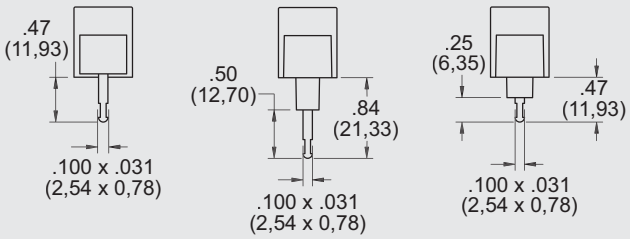
Guide No. 22.2 No. 158, Report No. LR39186-1.

SERIES 38000 VARIATIONS

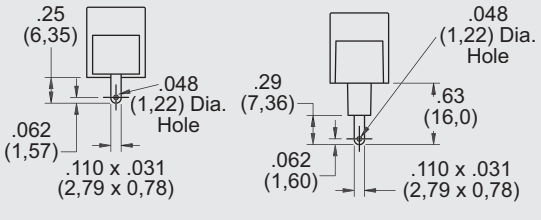
1 – Printed Circuit Pin



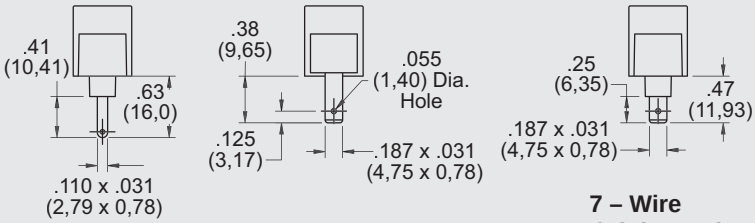
2 – Turret Type Solder Terminal



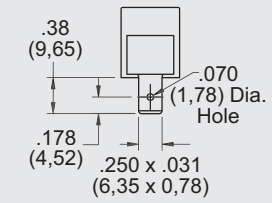
3 – .110" Quick Connect



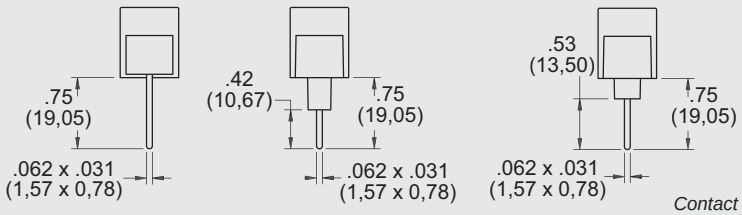
4 – .187" Quick Connect



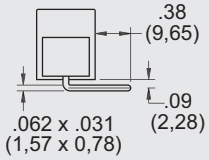
5 – .250" Quick Connect



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 subject to change.
Dimensions are shown for reference purposes only.

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.

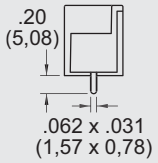
Terminals: Brass, Tin-plated

Series 37000 and 38000 With Mounting Ends							Without Mounting Ends	
Number of Terminals	Dimensions							
	A ± .031 Overall Dimensions (O.D.)		B ± .031 Mounting Dimensions (M.D.)		C ± .031 Less Mounting Ends		A ± .031 Less Mounting Ends	
	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (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

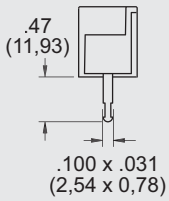
Dimensions shown are ± 0.030"

SERIES 37000 VARIATIONS

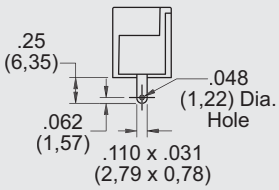
1 – Printed Circuit Pin



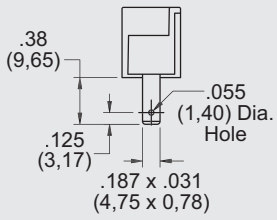
2 – Turret Type Solder Terminal



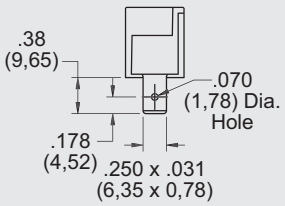
3 – .110" Quick Connect



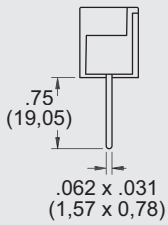
4 – .187" Quick Connect



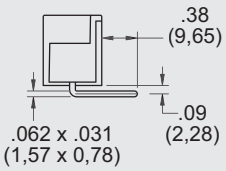
5 – .250" Quick Connect



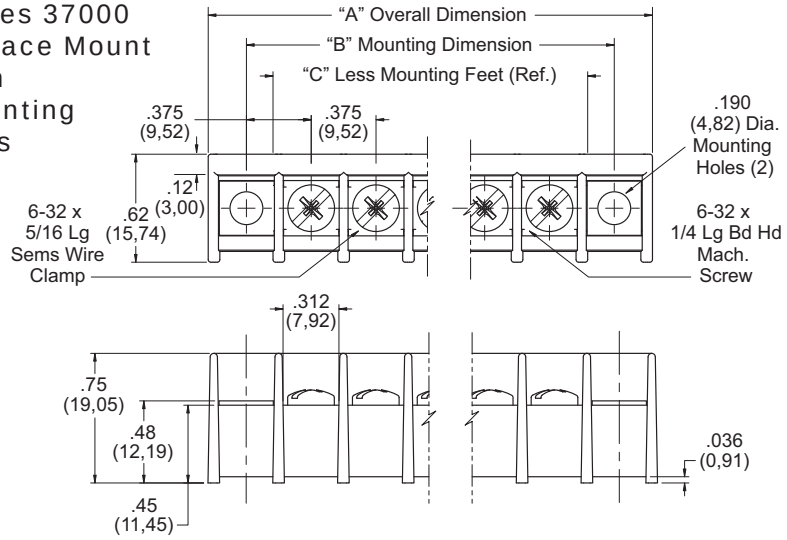
6 – Wire Wrap/Printed Circuit Pin



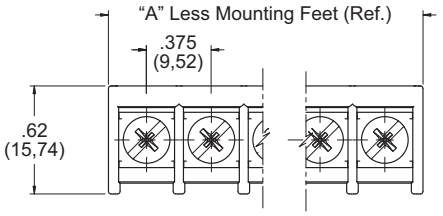
7 – Wire Wrap/Right Angle Printed Circuit Pin



Series 37000 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

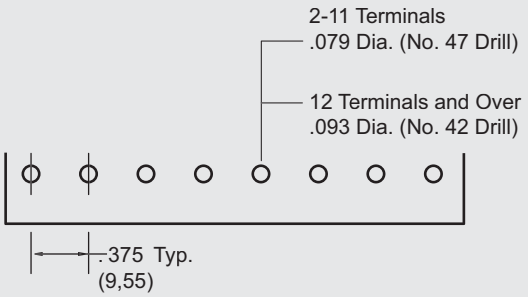
INSERT OR BOTTOM TERMINATION DESIGN
- 0 = Surface Mount, No Bottom Termination
- 1 = Printed Circuit Pin
- 2 = Turret Type Solder Terminal
- 3 = Quick Connect .110"
- 4 = Quick Connect .187"
- 5 = Quick Connect .250"
- 6 = Wire Wrap Pin
- 7 = Right Angle Printed Circuit

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

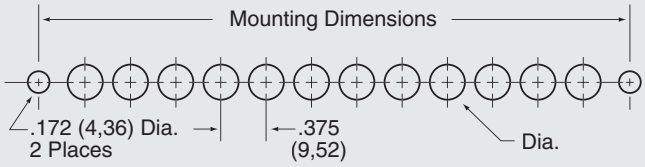
NUMBER OF POSITIONS
1 thru 26, Available in One to Twenty-Six Positions (28 Surface Mounts without Mounting Ends)

SPECIALS OR OPTIONAL DESIGNS
- 0 = None
- A-Z = Custom Configuration

PC BOARD DRILLING DIMENSIONS



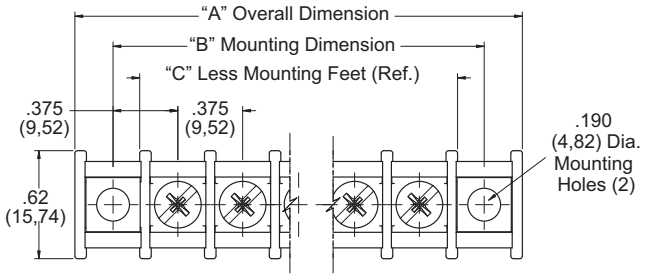
RECOMMENDED PANEL CUTOUT DIMENSIONS



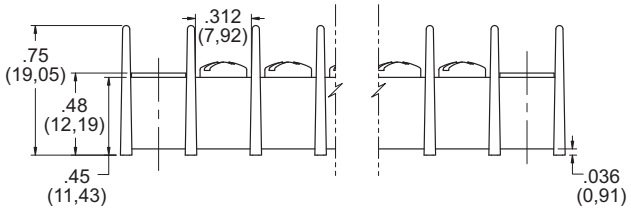
Long Feed Thru – Panel Hole Dia. = .281 (7,13)
Short Feed Thru – Panel Hole Dia. = .302 (7,67)

Specifications subject to change.
Dimensions are shown for reference purposes only.

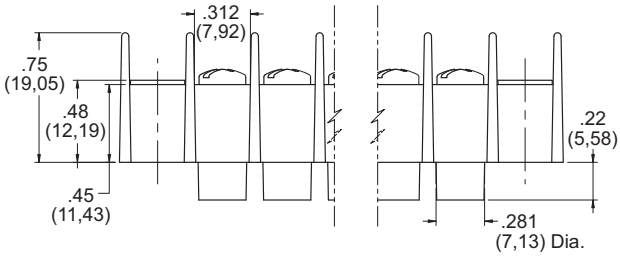
Series 38000 Surface Mount without Mounting Ends



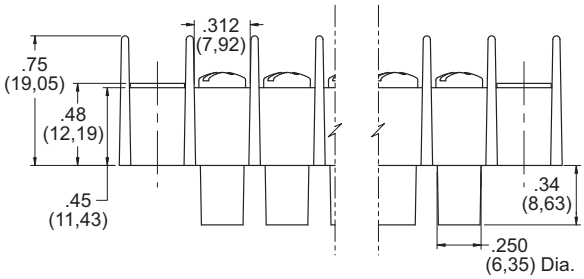
Series 38000 Base Mount



Series 38000 Short Feed-Thru



Series 38000 Long Feed-Thru



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

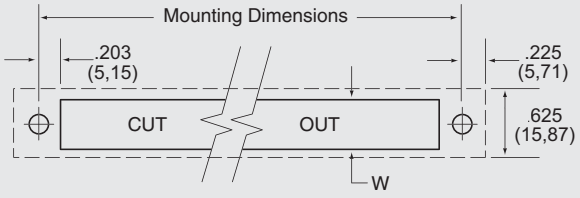
HARDWARE OR TOP TERMINATION DESIGN
- 0 = Nickel Plated Steel Screw, Standard
- 1 = Wire Clamp Screws
- 2 = Nickel Plated Brass Screws
- 3 = Stainless Steel Screws
- 5 = Without Screws
- 6 = Quick Connects, Screw Type*
- 8 = Captivated Screw

NUMBER OF POSITIONS

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

SPECIALS OR OPTIONAL DESIGNS
- 0 = None
- A-Z = Custom Configuration

RECOMMENDED PANEL CUTOUT DIMENSIONS



SURFACE MOUNT STYLES

.187 (4,75) Tab
.250 (6,35) Tab
W = .45 (11,34)

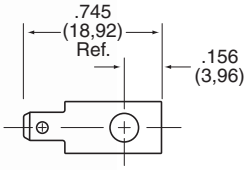
.110 (2,79) QC
Wire Wrap
Solder Tab
W = .38 (9,65)

Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

Series 37000 Accessories

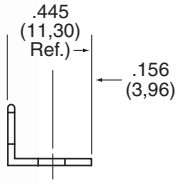
QUICK-CONNECT TERMINALS .020 X .187

TB71



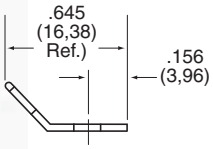
Part No.
808271200
TB71

TB72



Part No.
808272200
TB72

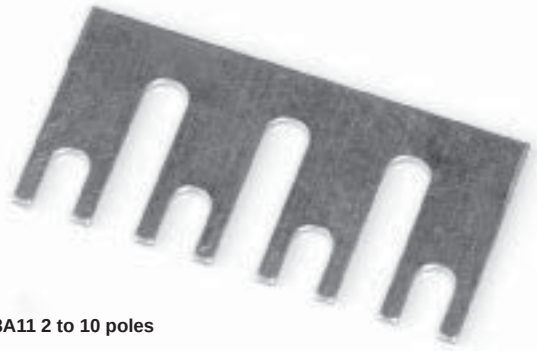
TB73



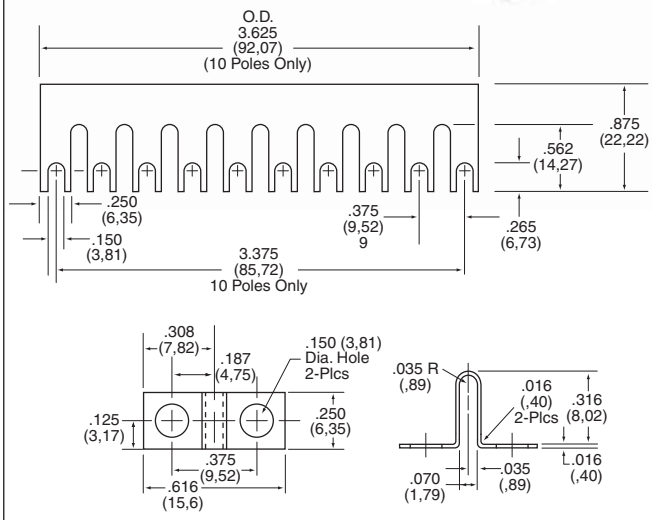
Part No.
808273200
TB73

Series 37000/38000 Accessories

TERMINAL BLOCK JUMPERS



278A11 2 to 10 poles



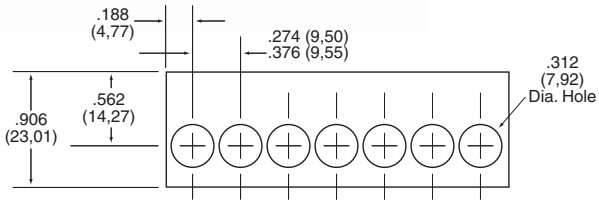
Part No. 068260100

MARKING STRIPS

W/Mounting Holds
Part No. 278A10
1 thru 26

W/O Mounting Holes
Part No. 278A36
1 thru 26

Pre-Punched
Black Fiber

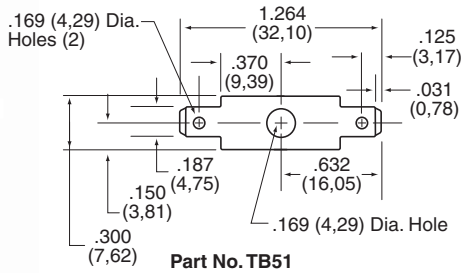


Curtis Industries
A Division of Powers Holdings, Inc.

Specifications subject to change.
Dimensions are shown for
reference purposes only.

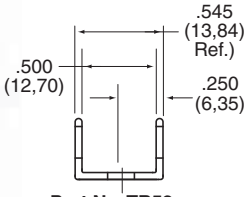
QUICK-CONNECT TERMINALS .020 x .187"

TB51



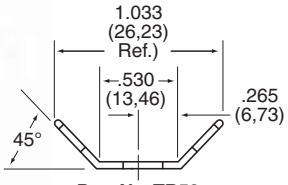
Part No. TB51

TB52



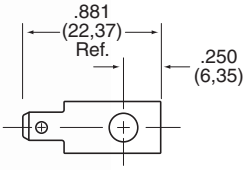
Part No. TB52

TB53



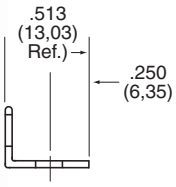
Part No. TB53

TB54



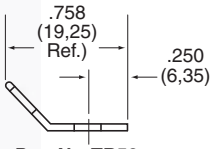
Part No. TB54

TB55



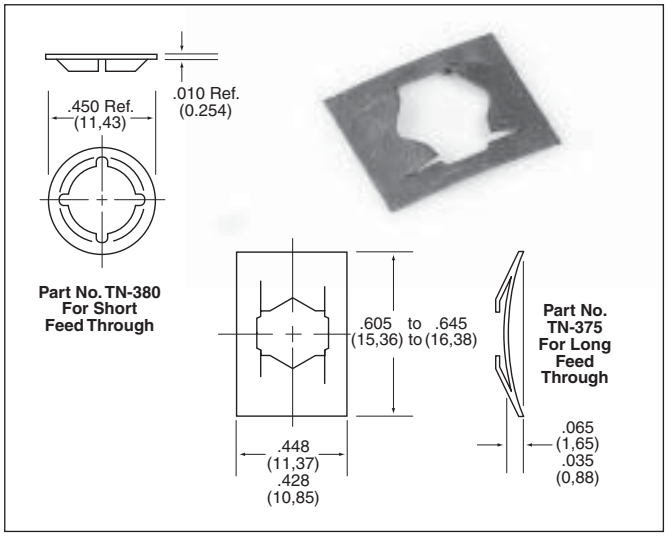
Part No. TB55

TB56

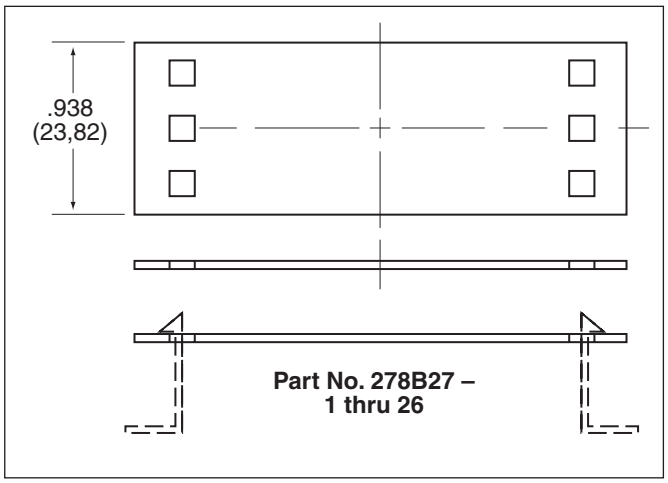


Part No. TB56

TINNERMAN NUTS



COVERS



Dimensions are in inches and millimeters
unless otherwise specified.
Values in parentheses are metric equivalents.

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