

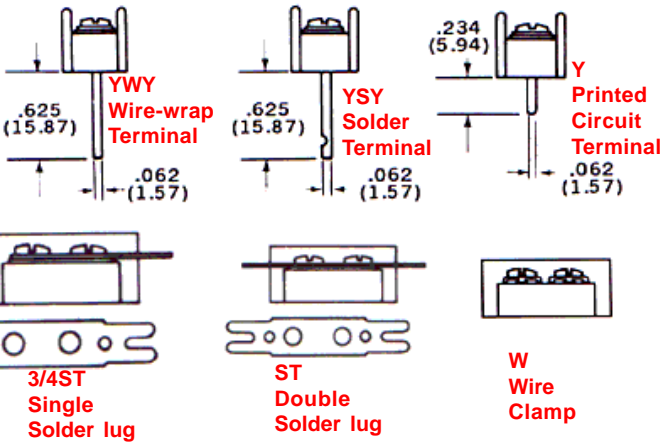
FEATURES

- **FLEXIBLE HI-TEMP THERMOPLASTIC TERMINAL BLOCKS** – Self-extinguishing types which resist breakage and other damage (conform to UL94V-0)
- **TERMINAL FLEXIBILITY** – Ideal for surface mount, sub-panel or chassis connections in electronic/electrical circuit applications. One thru 22 terminals. 1500 Series on 3/8 inch centers, 2000 Series on 7/16 inch center-to-center spacing.
- **ECONOMICAL CLOSED-BACK DESIGN** – No need for costly insulation strip.
- **BROAD WIRE RANGE** – No. 6-32 external twin screws, UL recognized for No. 22AWG to No. 10AWG. Variations include double solder lug, single solder lug, wire wrap, solder pin and printed circuit pin.
- **UL/CSA ELECTRICAL RATINGS** – UL 30 amps/1100 volts RMS (1/3 breakdown voltage), CSA rating: 15 amps/300 volts (1500 Series), 20 amps/300 volts (2000 Series).
- **RECOGNITION AND LISTING** – Various terminal types are UL recognized and CSA certified.



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

Guide No. 184-N-90, Report No. LR39186-1. COMPLIES WITH 947-7-1.



INTERNAL TERMINAL DESIGNATIONS

1500/2000-Y	Printed circuit board design with .062" x .031" solderable tin-plated pin
1500/2000-YSY	Feed-thru solder pin
1500/2000-YWY	Feed-thru wire wrap

EXTERNAL TERMINAL DESIGNATIONS

1500/2000	Screw terminal with No. 6-32 plated steel* screw accepting up to No. 10AWG wire.
1500/2000-ST	Solderable tin-plated double solder tab
1500/2000-3/4ST	Solderable tin-plated single solder tab
1500/2000-W	Wire clamp captivated to a No. 6-32 plated steel screw

* Other materials available – contact factory or your local representative for additional information.

ACCESSORIES

1500/2000 – May be purchased blank or factory imprinted to customer requirement. To order, specify:
1500 Series –
Part No. 247A10-1 thru 22
2000 Series
Part no. 247A11-1 thru 22

1500 – Jumper is constructed of plated brass. "Rooster comb" design permits connections to two to 10 poles. To order, specify:
Part No. 278-A11 (plus no. of poles)
Example: 278-A11-10
Part No. 68240100 (Holes) or
68245100 (slots) (2-pole jumper for 1500 only)

2000 – Plated brass in two styles. Type 267-A28 is designed to jump two adjacent terminals as it is channeled to cross over the barrier top. "Rooster comb" design of Type 267-A42 permits connections of two to 18 poles. To order, specify: Part no. 267-A42 (Plus No. of poles)
Example: 267-A42-18

1500/2000 – Wire clamp captivated to No. 6-32 screw eliminates need for lugs. To order, specify:
Part No. 1500 58525
Part No. 2000 58526

Part No. 68245100

Part No. 68240100

1500/2000 – Rigid .030" thick self-extinguishing vinyl. Complete with spring clips for attaching to mounting positions. To order, specify:
1500 Series –
Part No. 247B24-1 thru 22 terminals
2000 Series –
Part No. 247B25-1 thru 22 terminals

2000 - 7/16" (11.11 mm) Center-to-Center Spacing

ENGINEERING SPECIFICATIONS

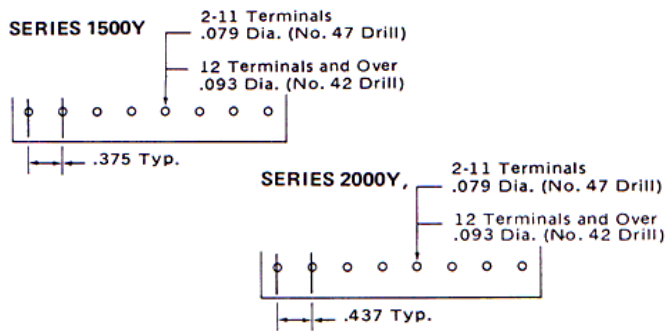
- Center-to-Center Spacing:** 1500 Series 3/8" (9.52 mm)
2000 Series 7/16" (11.11 mm)
- Wire Range:** 2000 Series up to No. 10AWG. 1500 Series up to No. 12AWG. (CSA requires use of lugs on wire larger than No. 16AWG.)
- Number of Terminals:** 1 thru 22
- Voltage Rating:** CSA – 300 volts
UL – 150 volts General Industrial
250 volts Commercial Appliance
300 volts – Limited Energy Industrial
- Current Rating:** UL: 2000 Series 30 amps, 1500 Series 20 amps.
(CSA: 2000 Series 20 amps, 1500 Series 15 amps)
- Tightening Torque:** **1500** **2000**
12 in.-lb. 12 in.-lb.
9 in.-lb. 9 in.-lb.

Housing:

- Material:** Polyphenylene Oxide
- Continuous Use Temp.:** 110° C (230° F)
(UL Index)
- Flammability Rating:** 94V-0
- Water Absorption:**
(24 hrs. % wt. gain) .06%
- Chemical Resistance:** Resistant to inorganic bases and acids.
For organic substances contact factory for specific resistance.

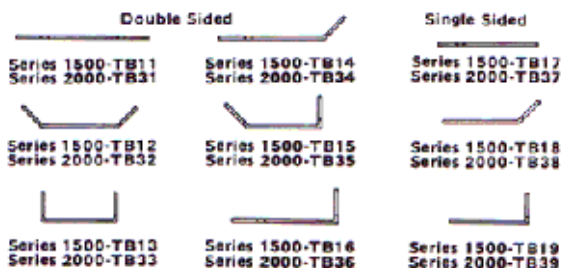
NOTE: Specifications contained herein are subject to change without notice.

PC BOARD DRILLING DIMENSIONS



1500/2000 – Available with .187" x .020" quick-connect tabs for 1500 Series; .250" x 0.32" for 2000 Series. Nine styles ...tin-plated brass tabs held in place by terminal screws. Up to six terminations per pole. To order, specify:

1500 Series: Parts Nos. TB1-19
2000 Series: Parts Nos. TB31-39
Last digit of part number corresponds to previous style numbers.



HOW TO ORDER

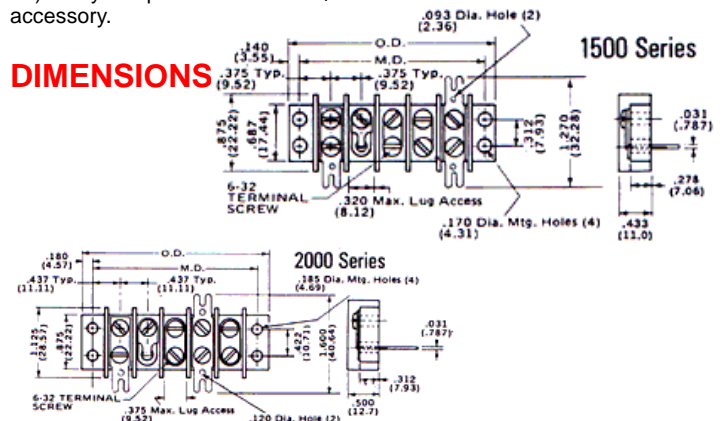
Stock number 1500 is used for terminal blocks on 3/8" centers and 2000 for terminals on 7/16" centers.

1500/2000 Series terminal blocks are ordered by listing a composite number made up of the model designation in which the last two digits indicate the number of poles required for the application. Example: A 1500 10-terminal block (3/8" centers) becomes stock number 1510; with 7/16" centers) 2010.

Suffixes are used as follows:

- | | | | |
|-------|-----------------------------|-----|----------------------|
| ST | denotes double solder lug | YSY | feed-thru solder pin |
| 3/4ST | denotes single solder lug | YWY | feed-thru wire wrap |
| Y | denotes printed circuit pin | W | wire clamp |

The 1510 described above, with double solder lug mounting on 3/8 inch centers thus converts to stock number 1510-ST. To specify quick-connect terminals, simply add the style number required. (See accessories on page 10). May be purchased factory-assembled or as customer-installed accessory.



	Mounting Dimensions		Overall Dimensions		Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (mm)	Inches	Metric (mm)
1	.750	19.05	1.030	26.16	.875	22.22	1.235	31.36
2	1.125	28.57	1.405	35.68	1.312	33.33	1.672	42.48
3	1.500	38.10	1.780	45.21	1.750	44.45	2.110	53.59
4	1.875	47.62	2.155	54.73	2.187	55.56	2.547	64.70
5	2.250	57.15	2.530	64.26	2.625	66.67	2.985	75.81
6	2.625	66.67	2.905	73.78	3.062	77.78	3.422	86.93
7	3.000	76.20	3.280	83.31	3.500	88.90	3.860	98.04
8	3.375	85.72	3.655	92.83	3.937	100.01	4.297	109.15
9	3.750	95.25	4.030	102.36	4.375	111.12	4.735	120.26
10	4.125	104.77	4.405	111.88	4.812	122.23	5.172	131.38
11	4.500	114.30	4.780	121.41	5.250	133.35	5.610	142.49
12	4.875	123.82	5.155	130.93	5.687	144.46	6.047	153.60
13	5.250	133.35	5.530	140.46	6.125	155.57	6.485	164.71
14	5.625	142.87	5.905	149.98	6.562	166.68	6.922	175.83
15	6.000	152.40	6.280	159.51	7.000	177.80	7.360	186.94
16	6.375	161.92	6.655	169.03	7.437	188.91	7.797	198.05
17	6.750	171.45	7.030	178.56	7.875	200.02	8.235	209.16
18	7.125	180.97	7.405	188.08	8.312	211.13	8.672	220.28
19	7.500	190.50	7.780	197.61	8.750	222.25	9.110	231.39
20	7.875	200.02	8.155	207.13	9.187	233.36	9.547	242.50
21	8.250	209.55	8.530	216.66	9.625	244.47	9.985	253.61
22	8.625	219.07	8.905	226.18	10.062	255.58	10.422	264.73

Dimensions shown are ±0.030".