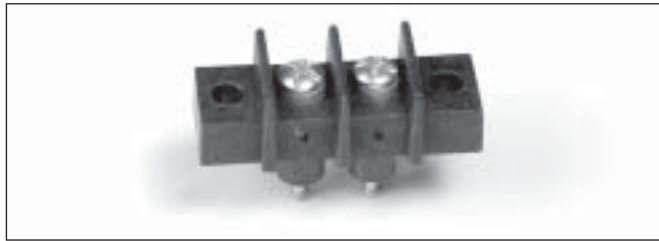
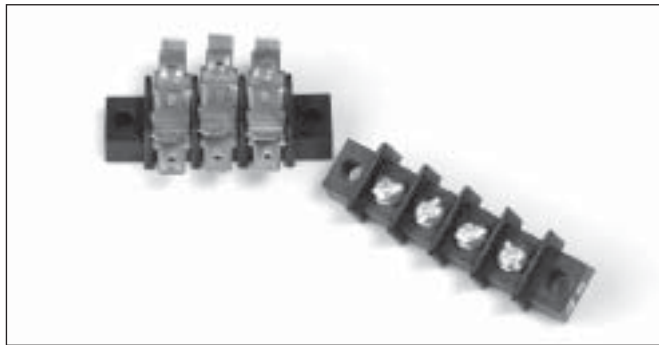


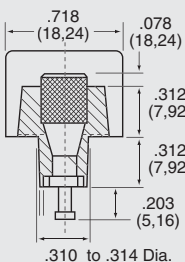
# Series GFT/GB 7/16" (11.11mm) Center-to-Center Spacing

Single Row

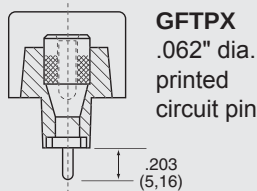
BARRIER STYLE



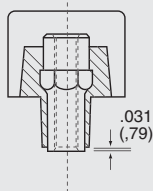
## Series GFT/GB Variations



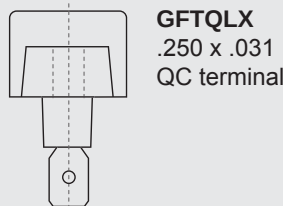
**GFTX**  
turret-  
type  
solder  
pin



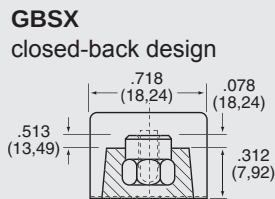
**GFTPX**  
.062" dia.  
printed  
circuit pin



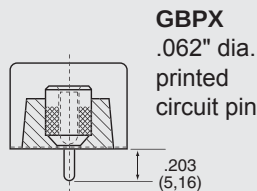
**GFTSX**  
No. 6-32  
machine  
screw



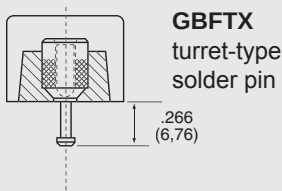
**GFTQLX**  
.250 x .031  
QC terminal



**GBSX**  
closed-back design



**GBPX**  
.062" dia.  
printed  
circuit pin



**GBFTX**  
turret-type  
solder pin

## Features:

- **Superior Construction** – All terminals are molded in place with precision screw machined brass inserts which will not twist, virtually eliminating broken solder joints while providing a full mechanical thread system.
- **Ideal for Sub-Chassis or Thru-Panel Application** – No costly insulation or mounting set-up since feed-thru insulators are an integral part of the moldings. Feature provides a full 1/4" terminal to ground clearance even thru 1/16" chassis.
- **Durable Base Material** – Made of black thermo-set phenolic, or high-impact, break-resistant thermoplastic
- **Electrical Rating** – 20A up to 600V
- **Compact Barrier-Type Design** – Especially suited for electronic and control applications
- **Feed-Thru, Printed Circuit or Surface Connection** – One thru 26 terminals on 7/16" center-to-center spacing
- **Broad Wire Range** – UL recognized for No. 22AWG to No. 12AWG, depending on type of external contact designated, with CSA requiring use of lugs on wire larger than No. 16AWG.
- **Terminal Flexibility** – External terminals available in two screw sizes with various internal terminal types
- **Recognition and Listing** – UL recognized and CSA certified



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.

## INTERNAL TERMINAL DESIGNATIONS

- GFTP** Printed circuit board design with .062" dia. tin-plated brass turret-type solder pin
- GFT** Tin-plated brass turret-type solder pin
- GFTS** Unplated brass insert. No. 6-32 plated steel screw.
- GBS** Unplated brass insert. Closed-back design which can be mounted on metal surface with no additional insulation required.
- GBP** Printed circuit board design with .062" dia. tin plated brass pin.
- GBFT** Tin-plated brass turret-type solder pin.
- GFTQX** .250 x .031 tin-plated brass quick connect tab terminal.

## EXTERNAL TERMINAL DESIGNATIONS

- GBFT, GBP,** Screw terminal with No. 6-32 plated steel\*
- GBS, GFT, GFTP** Screw accepting up to No. 12AWG wire
- GBFTA, GBPA,** Screw terminal with No. 8-32 plated steel\* screw accepting up to No. 12AWG wire
- GBSA, GFTA,**
- GFTSA, GFTPA**

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

## Specifications:

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

**Wire Range:** No. 22AWG to No. 12AWG (CSA requires use of lugs on wire larger than No. 16AWG.)

**No. of Terminals:** 1 thru 26

### Voltage Rating:

CSA – 300 volts

UL – \*150 volts – General Industrial

\*\*250 volts – Commercial Applications

300 volts – Limited Energy Applications

600 volts – Limited Energy Applications

\* GFT, GFTP, GFTS, GFTAL rated for 300 volts.

\*\* GFTQALX rated for 125 volts.

### Tightening Torque:

Wire Binding Screw 9 in.-lb.

Wire Clamp 9 in.-lb.

**Current Rating:** 20 amps, UL and CSA

| Housing:<br>Material | Standard<br>Phenolic | "X" Grade<br>Polyphenylene<br>Oxide |
|----------------------|----------------------|-------------------------------------|
|----------------------|----------------------|-------------------------------------|

Continuous Use

Temp. (UL Index) 150°C (302°F) 110°C (230°F)

Flammability Rating 94V-0 94V-0

Water Absorption

(24 hrs. % wt. gain) .04% .06%

| Breakdown Voltage:  | GFT         | GB          |
|---------------------|-------------|-------------|
| Terminal - Terminal | 3,600V Typ. | 5,000V Typ. |
| Terminal - Ground   | 5,800V Typ. | 7,900V Typ. |

*Note:* Specifications contained herein are subject to change without notice.

## How to Order

GB/GFT Series terminal blocks are ordered by listing a composite number made up of the model designation followed by the number of poles required for the application. Example: Type GBP 10-pole block becomes stock number GBP-10.

Suffixes are used as follows:

A denotes model with No. 8-32 external screw terminal

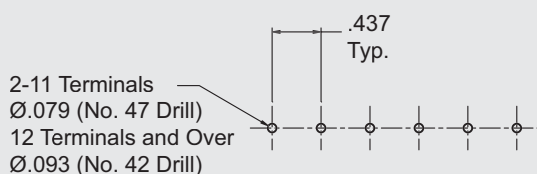
C denotes model less mounting positions

X denotes model with thermoplastic molding

To specify quick-connect terminals, simply add the style number required. May be purchased factory-assembled or as customer-installed accessory.

The GBP-10 described above – made from thermo-set phenolic – less mounting positions thus converts to stock number GBPC-10.

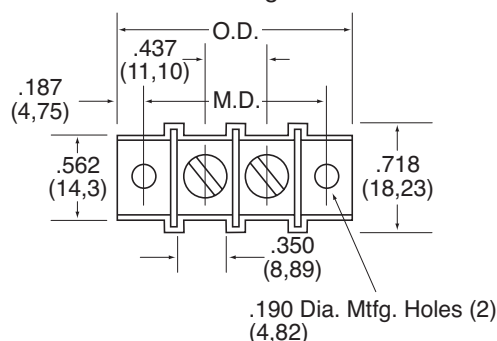
## PC BOARD DRILLING DIMENSIONS



| Series GFT/GB With Mounting Ends |                                     |             |                                    |             | Without Mounting Ends            |             |
|----------------------------------|-------------------------------------|-------------|------------------------------------|-------------|----------------------------------|-------------|
| Number of Terminals              | Dimensions                          |             |                                    |             |                                  |             |
|                                  | B ± .031 Mounting Dimensions (M.D.) |             | A ± .031 Overall Dimensions (O.D.) |             | C ± .031 Less Mounting Positions |             |
|                                  | Inches                              | Metric (mm) | Inches                             | Metric (mm) | Inches                           | Metric (mm) |
| 1                                | .875                                | 22.22       | 1.250                              | 31.75       | .562                             | 14.28       |
| 2                                | 1.312                               | 33.33       | 1.687                              | 42.86       | 1.000                            | 25.40       |
| 3                                | 1.750                               | 44.45       | 2.125                              | 53.97       | 1.437                            | 36.51       |
| 4                                | 2.187                               | 55.56       | 2.562                              | 65.08       | 1.875                            | 47.62       |
| 5                                | 2.625                               | 66.67       | 3.000                              | 76.20       | 2.312                            | 58.73       |
| 6                                | 3.062                               | 77.78       | 3.437                              | 87.31       | 2.750                            | 69.85       |
| 7                                | 3.500                               | 88.90       | 3.875                              | 98.42       | 3.187                            | 80.96       |
| 8                                | 3.937                               | 100.01      | 4.312                              | 109.53      | 3.625                            | 92.07       |
| 9                                | 4.375                               | 111.12      | 4.750                              | 120.65      | 4.062                            | 103.18      |
| 10                               | 4.812                               | 122.23      | 5.187                              | 131.76      | 4.500                            | 114.30      |
| 11                               | 5.250                               | 133.35      | 5.625                              | 142.87      | 4.937                            | 125.41      |
| 12                               | 5.687                               | 144.46      | 6.062                              | 153.98      | 5.375                            | 136.52      |
| 13                               | 6.125                               | 155.57      | 6.500                              | 165.10      | 5.812                            | 147.63      |
| 14                               | 6.562                               | 166.68      | 6.937                              | 176.21      | 6.250                            | 158.75      |
| 15                               | 7.000                               | 177.80      | 7.375                              | 187.32      | 6.687                            | 169.86      |
| 16                               | 7.437                               | 188.91      | 7.812                              | 198.43      | 7.125                            | 180.97      |
| 17                               | 7.875                               | 200.02      | 8.250                              | 209.55      | 7.562                            | 192.08      |
| 18                               | 8.312                               | 211.13      | 8.687                              | 220.66      | 8.000                            | 203.20      |
| 19                               | 8.750                               | 222.25      | 9.125                              | 231.77      | 8.437                            | 214.31      |
| 20                               | 9.187                               | 233.36      | 9.562                              | 242.88      | 8.875                            | 225.42      |
| 21                               | 9.625                               | 244.47      | 10.000                             | 254.00      | 9.312                            | 236.53      |
| 22                               | 10.062                              | 255.58      | 10.437                             | 265.11      | 9.750                            | 247.65      |
| 23                               | 10.500                              | 266.70      | 10.875                             | 276.22      | 10.187                           | 258.76      |
| 24                               | 10.937                              | 277.81      | 11.312                             | 287.33      | 10.625                           | 269.87      |
| 25                               | 11.375                              | 288.92      | 11.750                             | 298.45      | 11.062                           | 280.98      |
| 26                               | 11.812                              | 300.03      | 12.187                             | 309.56      | 11.500                           | 292.10      |

Dimensions shown are ± 0.030"

## Series GFT/GB with Mounting Ends

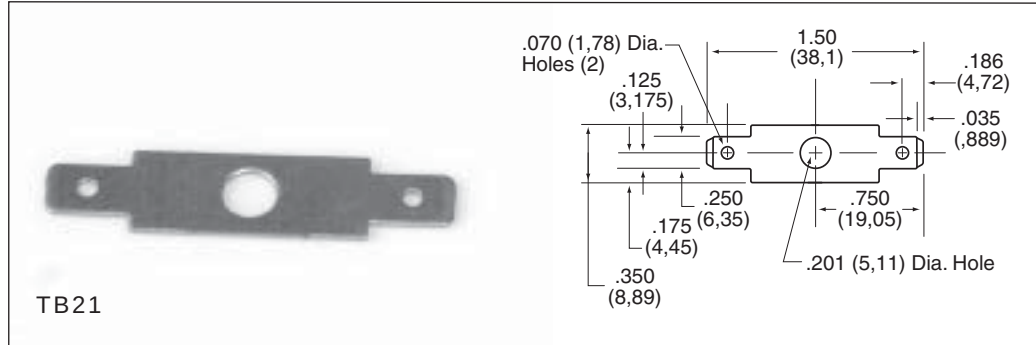


# Series GB/GFT

## Series GFT/GB Accessories

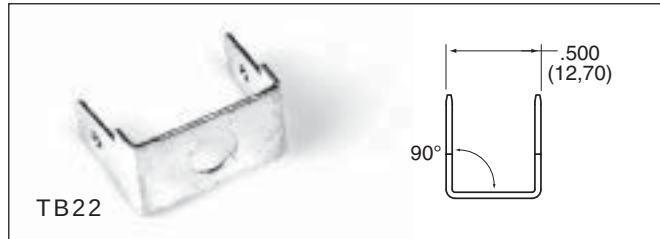
### QUICK-CONNECT TERMINALS

GFT-GFT – Available with .250" x .032" quick-connect tabs of tin-plated brass, held in place by terminal screws. Six styles . . . one to six terminations per pole. Factory-assembled or customer installed. Last digit of part number corresponds to previous style numbers.

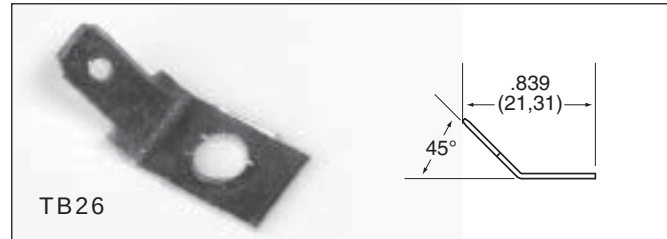


TB21

Single Row

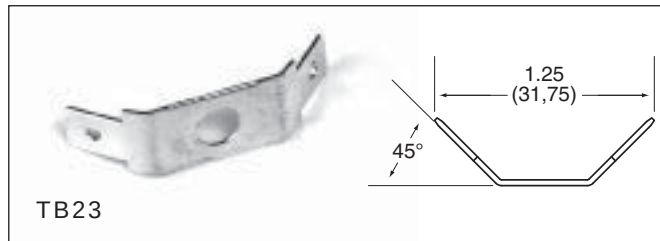


TB22

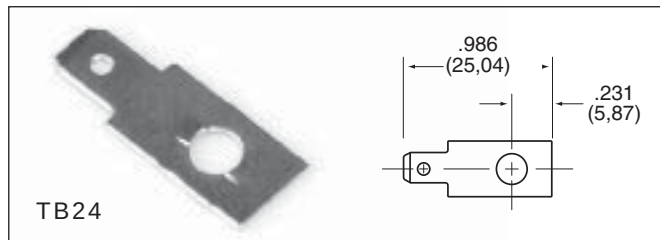


TB26

BARRIER STYLE



TB23



TB24

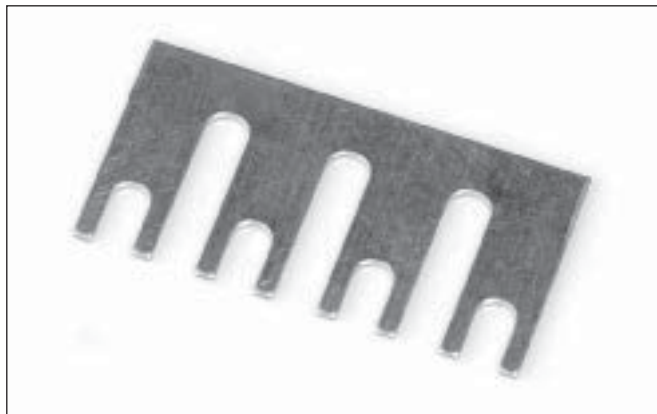


TB25

**TINNERMAN NUT**

GFT – for speed mounting of terminal blocks less mounting position.

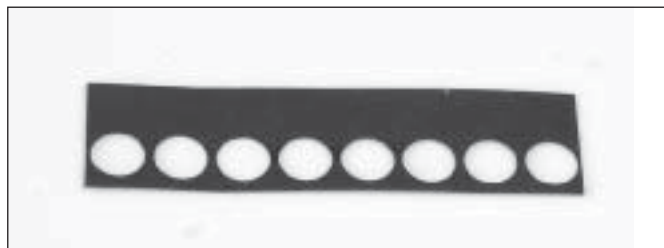
Part No. TN-437.

**TERMINAL BLOCK JUMPERS**

GB/GFT – Plated in two styles. Types 267A28 is designed to jump two adjacent terminals as it is channeled to cross over the barrier top. "Rooster comb" design of Type 267A42 permits connections of two to 18 poles.

To order, specify: Part No. 267A42 (plus no. of poles)

*Example: 267A42-18*

**MARKING STRIPS**

GB/GFT – Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.

To order, specify: Part No. 267A19-1 thru 26 (with mounting hole); Part No. 267A218-1 thru 26 (less mounting hole).

**COVERS**

GB/GFT – Rigid .030" thick self-extinguishing vinyl. Black matte-finished on both sides. May double as marking strip when imprinted with white ink. Complete with spring clips for attaching to mounting positions.

Part No. 267B86-1 thru 26 terminals