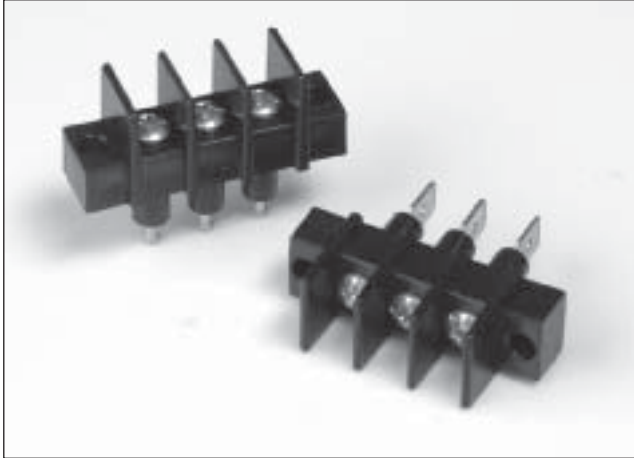
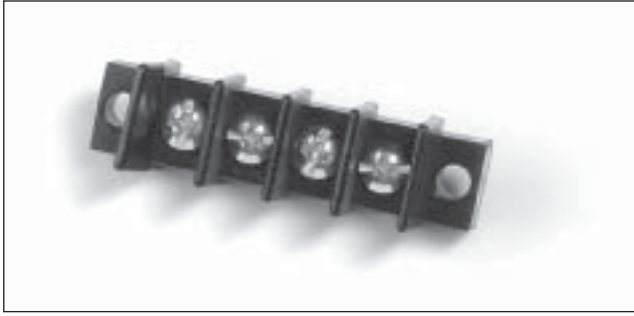


# Series CB/CFT .375" (3/8") 9.52mm Center-to-Center Spacing

Single Row



## Features:

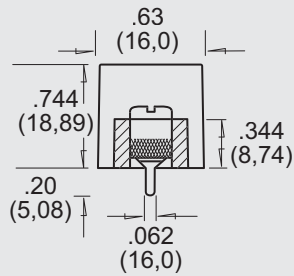
- **Compact Barrier-Type Design** – Especially suited for electronic and control feed-thru applications where space saving is required
- **Fully Insulated Feed-Thru, Disconnect, Printed Circuit or Surface Connection** – One thru 26 terminals on .375" center-to-center spacing
- **Improved High Barrier-Type Design** – Meets industrial control clearance and creepage requirements set by UL. Rated 20A up to 600V
- **Suitable for High Moisture and Dust Environments** – Blocks are made of break resistance, high-impact black thermoplastic
- **Solid Construction** – 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
- **Broad Wire Range** – No. 6-32 external terminal screw UL recognized for No. 22AWG to No. 12AWG
- **Recognition and Listing** – UL recognized and CSA certified

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

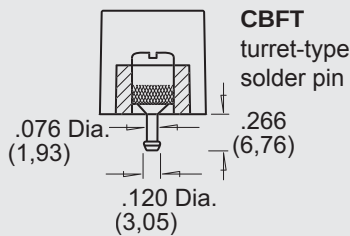
**CSA** Guide No. 22.2 No. 158, Report No. LR39186-1. Complies with IEC 947-7-1

BARRIER STYLE

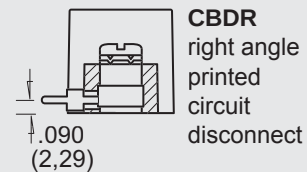
## SERIES CB/CFT VARIATIONS



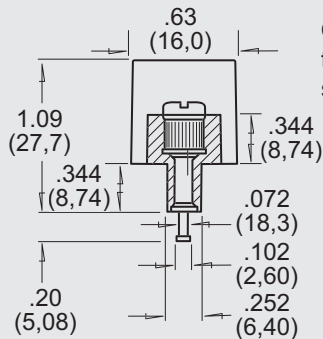
**CBP**  
.062" dia.  
printed  
circuit pin



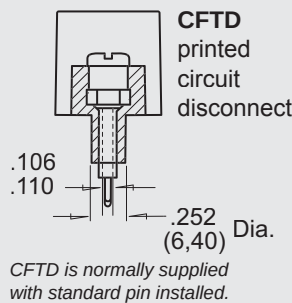
**CBFT**  
turret-type  
solder pin



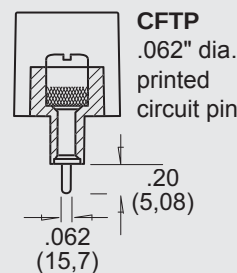
**CBDR**  
right angle  
printed  
circuit  
disconnect



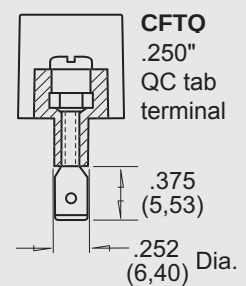
**CFT**  
turret-type  
solder pin



**CFTD**  
printed  
circuit  
disconnect



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



**CFTQ**  
.250" QC tab  
terminal

NOTE: Consult factory for minimums

## Specifications:

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

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

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

**Voltage Rating:** CSA – 300V

*Screw Terminals:*

UL – 600V – Limited Energy Devices

UL – 300V – General Industrial

*Quick Connects:*

UL – 125V – General Appliance

### Tightening Torque:

Wire Binding Screw 12 in.-lb.

Wire Clamps 20 in.-lb.

**Current Rating:** 20 amps

### Housing:

Material Thermoplastic Polyester

Continuous Use

Temp. (UL Index) 140°C (284°F)

Flammability Rating 94V-0

Water Absorption

(24 hrs. % wt. gain) .08%

Chemical Resistance Excellent in most environments

### Breakdown Voltage:

Terminal - Terminal 7,000V Typ.

Terminal - Ground 6,000V Typ.

### Terminals: Solid Brass

Solder style terminals are plated with high-purity tin for optimum solderability

**Contact Resistance:** .002 Ohm Typ. – CFTD

## INTERNAL TERMINAL DESIGNATIONS

CBP printed circuit board design with .062" diameter tin-plated brass pin

CBFT tin-plated brass turret-type solder pin

CFT tin-plated brass turret-type solder pin

CFTP printed circuit board design with .062" diameter tin-plated brass pin

CFTQ .250" quick connect tab terminal

CFTD disconnect design with factory installed pin terminals for printed circuit mounting

CBDR right angle disconnect design

## EXTERNAL TERMINAL DESIGNATIONS

CBP, CBFT, CFT, screw terminal with No. 6-32 plated steel\* screw accepting wire up to No. 12AWG

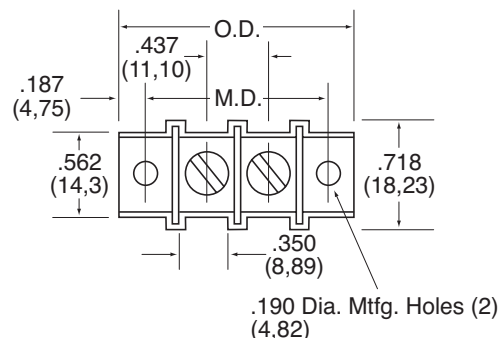
CBPW, CFTW, 6-32 combo head screw with  
CBFTW, CFTPW, captivated traveling wire clamp  
CFTQW, CFTDW,  
CBDRW

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

| Series CB/CFT 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 Positions |             |
|                                  | Inches                             | Metric (mm) | Inches                              | Metric (mm) | Inches                           | Metric (mm) |
| 1                                | .750                               | 19.05       | 1.062                               | 26.98       | .437                             | 11.11       |
| 2                                | 1.125                              | 28.57       | 1.437                               | 36.51       | .812                             | 20.63       |
| 3                                | 1.500                              | 38.10       | 1.812                               | 46.03       | 1.187                            | 30.16       |
| 4                                | 1.875                              | 47.62       | 2.187                               | 55.56       | 1.562                            | 39.68       |
| 5                                | 2.250                              | 57.15       | 2.562                               | 65.08       | 1.937                            | 49.21       |
| 6                                | 2.625                              | 66.67       | 2.937                               | 74.61       | 2.312                            | 58.73       |
| 7                                | 3.000                              | 76.20       | 3.312                               | 84.13       | 2.687                            | 68.26       |
| 8                                | 3.375                              | 85.72       | 3.687                               | 93.66       | 3.062                            | 77.78       |
| 9                                | 3.750                              | 95.25       | 4.062                               | 103.18      | 3.437                            | 87.31       |
| 10                               | 4.125                              | 104.77      | 4.437                               | 112.71      | 3.812                            | 96.83       |
| 11                               | 4.500                              | 114.30      | 4.812                               | 122.23      | 4.187                            | 106.36      |
| 12                               | 4.875                              | 123.82      | 5.187                               | 131.76      | 4.562                            | 115.88      |
| 13                               | 5.250                              | 133.35      | 5.562                               | 141.28      | 4.937                            | 125.41      |
| 14                               | 5.625                              | 142.87      | 5.937                               | 150.81      | 5.312                            | 134.93      |
| 15                               | 6.000                              | 152.40      | 6.312                               | 160.33      | 5.687                            | 144.46      |
| 16                               | 6.375                              | 161.92      | 6.687                               | 169.86      | 6.062                            | 153.98      |
| 17                               | 6.750                              | 171.45      | 7.062                               | 179.38      | 6.437                            | 163.51      |
| 18                               | 7.125                              | 180.97      | 7.437                               | 188.91      | 6.812                            | 173.03      |
| 19                               | 7.500                              | 190.50      | 7.812                               | 198.43      | 7.187                            | 182.56      |
| 20                               | 7.875                              | 200.02      | 8.187                               | 207.96      | 7.562                            | 192.08      |
| 21                               | 8.250                              | 209.55      | 8.562                               | 217.48      | 7.937                            | 201.61      |
| 22                               | 8.625                              | 219.07      | 8.937                               | 227.01      | 8.312                            | 211.13      |
| 23                               | 9.000                              | 228.60      | 9.312                               | 236.53      | 8.687                            | 220.66      |
| 24                               | 9.375                              | 238.12      | 9.687                               | 246.06      | 9.062                            | 230.18      |
| 25                               | 9.750                              | 247.65      | 10.062                              | 255.58      | 9.437                            | 239.71      |
| 26                               | 10.125                             | 257.17      | 10.437                              | 265.11      | 9.812                            | 249.23      |

Dimensions shown are ± 0.030"

## Series CB/CFT Dimensions



## How to Order

CFT Series terminal blocks are ordered by listing designation followed by the number of poles required for the application. Example: Type CFT 10-pole block becomes stock number CFT-10.

Suffixes are used as follows:

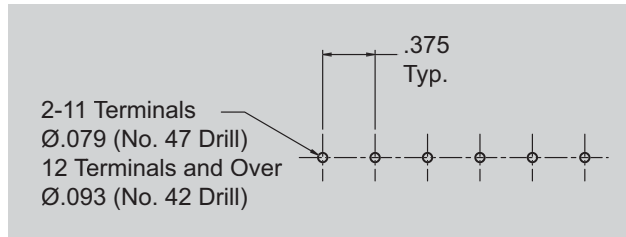
- W denotes model with wire clamp replacing external screw terminal
- C denotes model less mounting positions

To specify quick-connect terminals, simply add the style number required.

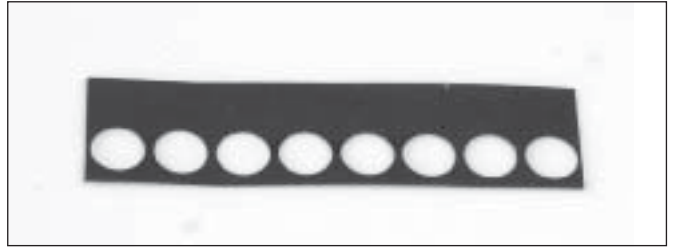
May be purchased factory-assembled or as customer-installed accessory.

The CFT-10 described above with wire clamp less mounting positions thus converts to stock number CFTWC-10.

## PC BOARD DRILLING DIMENSIONS



## Series CB/CFT Accessories



### MARKING STRIPS

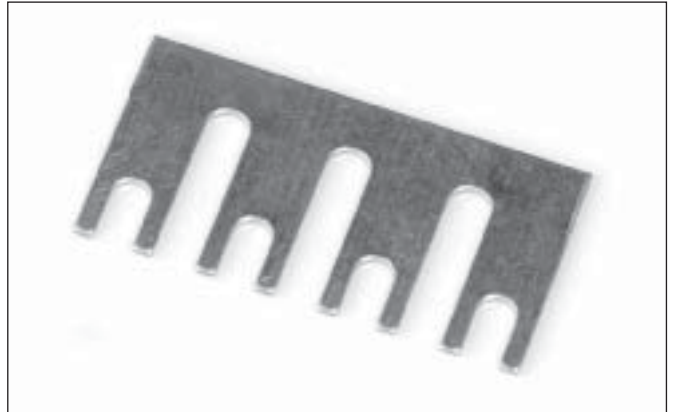
CB/CFT – Pre-punched black fiber . . . mounts under block. May be imprinted to customer specifications.

To order, specify: Part No. 278A10-1 thru 26 (with mounting hole); Part No. 278A36-1 thru 26 (less mounting hole).

### COVERS

CB/CFT – 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. 278B27-1 thru 26 terminals



### TERMINAL BLOCK JUMPERS

CB/CFT – Jumper is constructed of plated brass. "Rooster comb" design permits connections of two to 10 poles.

To order, specify; Part No. 278-A11 (plus no. of poles)

Example: 278-A11-10, 10 Pole Jumper

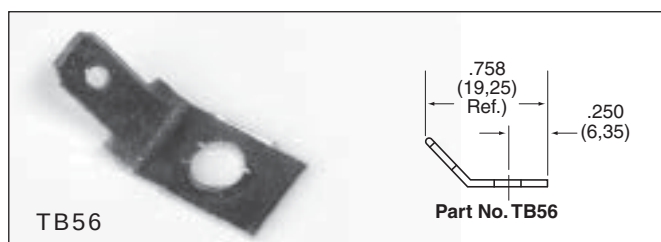
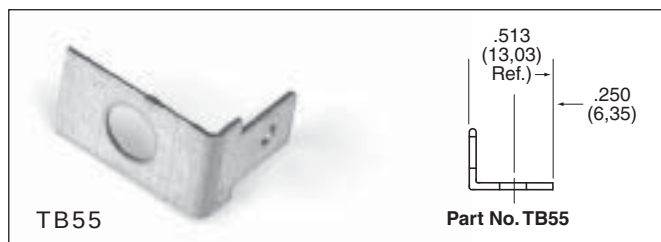
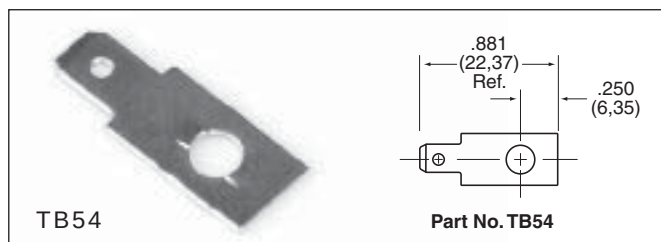
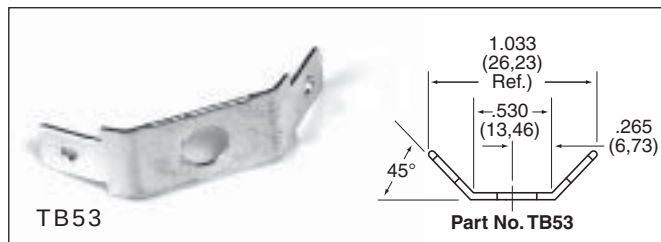
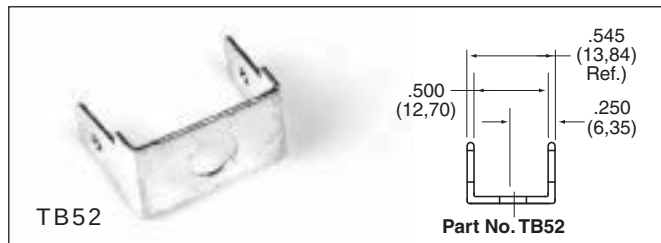
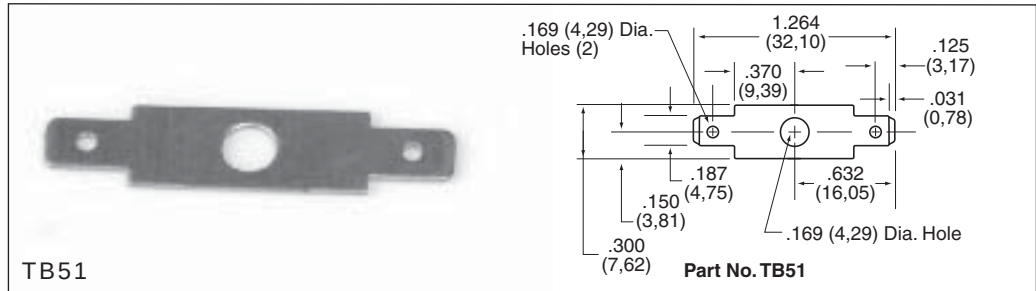
### WIRE CLAMP

CB/CFT – Wire clamp captivated to No. 6-32 screw eliminates need for lugs. Accepts No. 14AWG wire. Part No. 58523700

Terminal blocks are normally supplied with No. 6-32 combo head screws. Other styles and materials on special order.

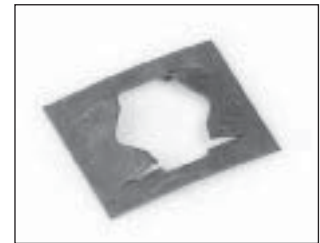
## QUICK-CONNECT TERMINALS

CB/CFT – Available with .187" x .020" 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.



## TINNERMAN NUT

CFT – for speed mounting of terminal blocks less mounting position.  
Part No. TN-375.



Single Row

BARRIER STYLE