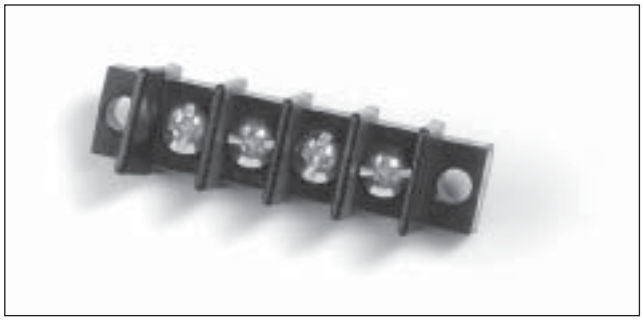
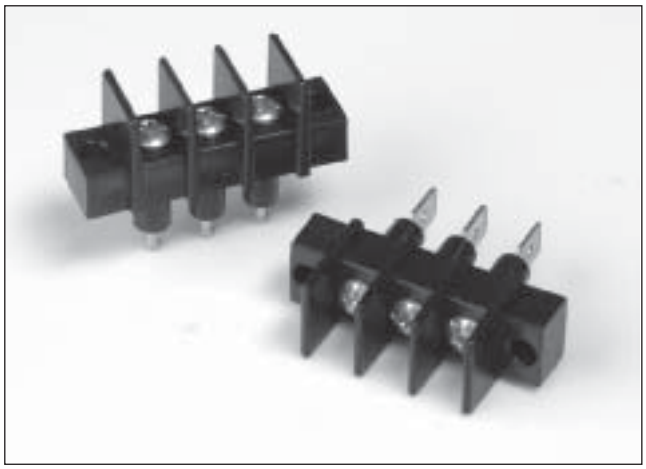




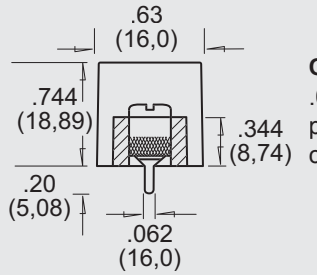
Features:

- **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 Rage** – No. 6-32 external terminal screw UL recognized for No. 22AWG to No. 12AWG
- **Recognition and Listing** – UL recognized and CSA certified

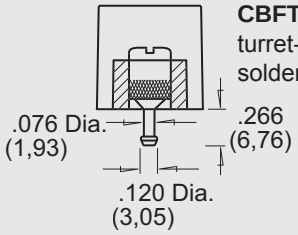
Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

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

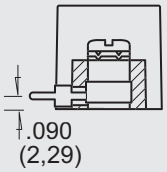
SERIES CB/CFT VARIATIONS



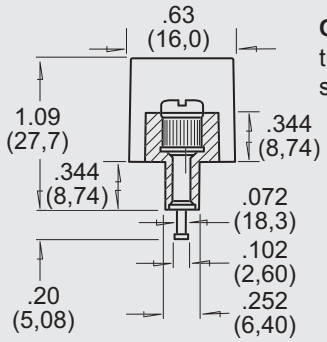
CBP
.062" dia.
printed
circuit pin



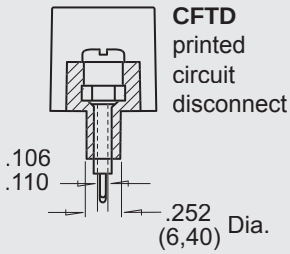
CBFT
turret-type
solder pin



CBDR
right angle
printed
circuit
disconnect

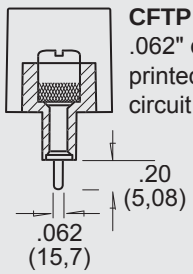


CFT
turret-type
solder pin

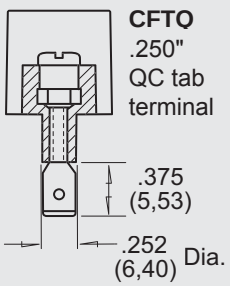


CFTD
printed
circuit
disconnect

CFTD is normally supplied with standard pin installed.



CFTP
.062" dia.
printed
circuit pin



CFTQ
.250"
QC tab
terminal

NOTE: Consult factory for minimums

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

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

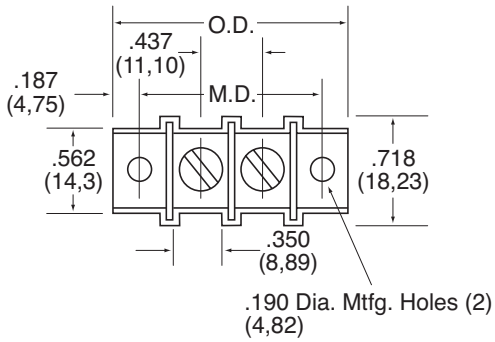
CBP, CBFT, CFT, CFTP, CFTD CBDR	screw terminal with No. 6-32 plated steel* screw accepting wire up to No. 12AWG
CBPW, CFTW, CBFTW, CFTPW, CFTQW, CFTDW, CBDRW	6-32 combo head screw with captivated traveling wire clamp

* 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:

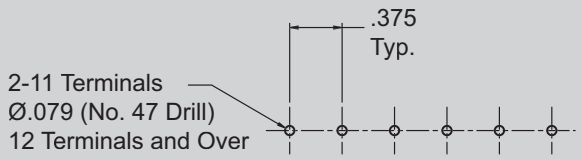
- W denotes model with wire clamp replacing external screw terminal
- C denotes model less mounting positions

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

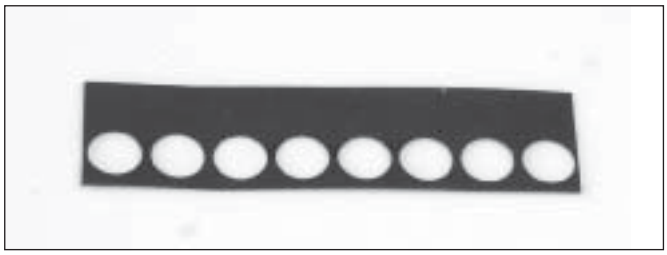
May be purchased factory-assembled or as customer-installed accessory.

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

PC BOARD DRILLING DIMENSIONS



Series CB/CFT Accessories

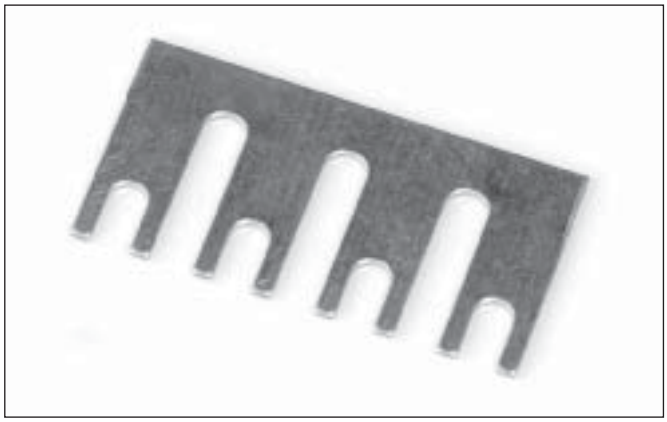


MARKING STRIPS

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

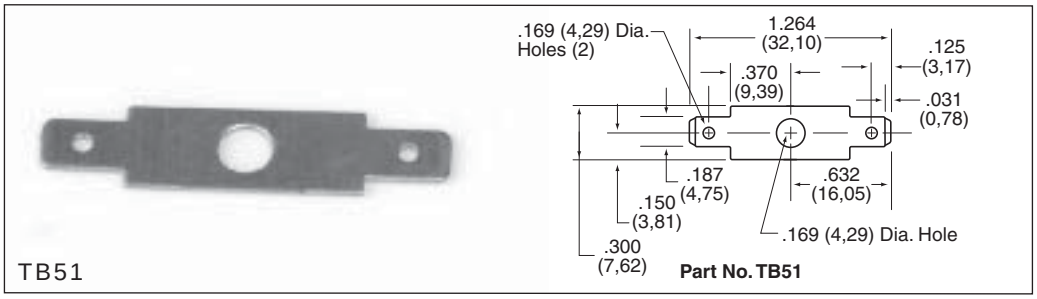
CB/CFT – Wire clamp captivated to No. 6-32 screw eliminates need for lugs. Accepts No. 14AWG wire. Part No. 58523700

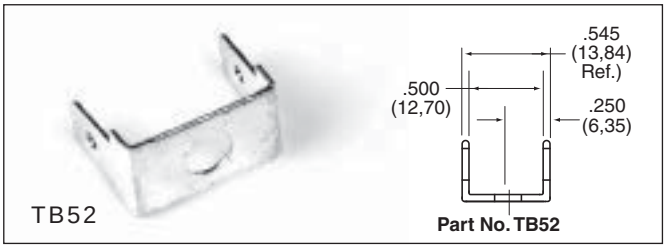
Terminal blocks are normally supplied with No. 6-32 combo head screws. Other styles and materials on special order.

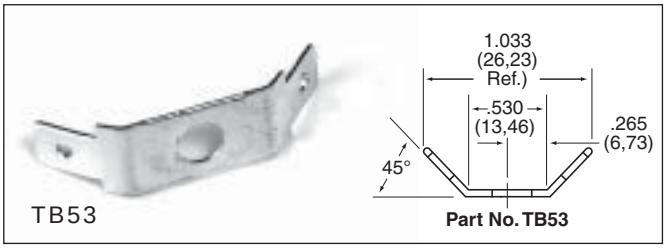
Specifications subject to change.
Dimensions are shown for reference purposes only.

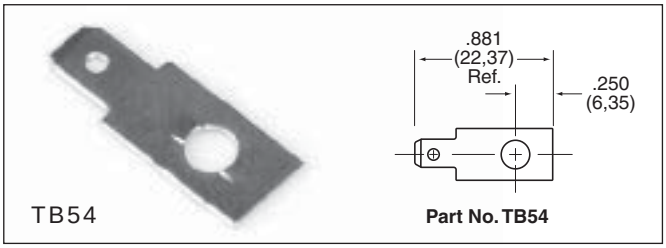
QUICK-CONNECT TERMINALS

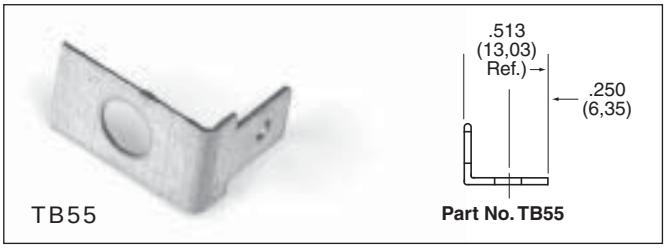
CB/CFT – Available with .187" x .020" quick-connect tabs of tin-plated brass, held in place by terminal screws. Six styles . . . one to six terminations per pole. Factory-assembled or customer installed. Last digit of part number corresponds to previous style numbers.

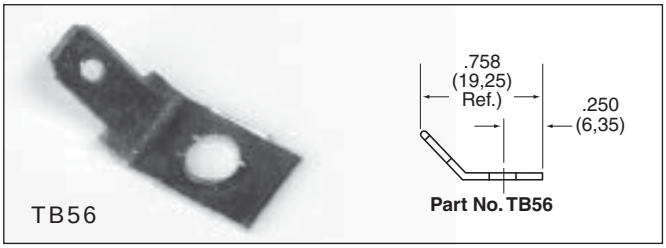






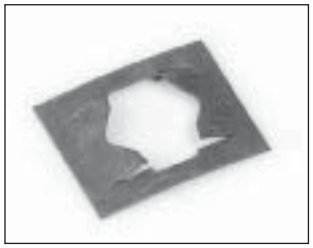






TINNERMAN NUT

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



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