



ECBT2.E73711

Connectors for Use in Data, Signal, Control and Power Applications - Component

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Guide Information

ITW PANCON

E73711

309 E CROSSROADS PKY
BOLINGBROOK, IL 60440 USA

Connectors. Series 050 followed by A or a dash, followed by 006 through 064, may be followed by suffixes denoting minor variations.

Cat. No. 055 followed by any number 020 through 060, followed by 4, followed by any number 0 through 9, followed by 5, may be followed by F or S, may be followed by P, may be followed by R.

Cat. No. 056 followed by any number -006 through -064, followed by any number -000 through -064.

Cat. Nos. 100-, 100X followed by any number 0 through 9 or V, followed by any number 10 through 96, may be followed by any alphanumeric code.

Cat. No. 101- followed by any number 0 through 9 or V, followed by any number 10 through 96, may be followed by any alphanumeric code.

Cat No. 105 followed by 0 or 2, followed by two digits, followed by 0, 1, 4 or 5, followed by 2 or 3, followed by 1, 2, 3, 4 or 9; Cat No. 105 followed by "-" or V, followed by 000, followed by A, B, C or D, followed by 1, 2 or 4, followed by 3, followed by 3 or 4; Cat. No. 105 followed by 000, followed by E, followed by 1, 2, 4 or 5, followed by 3, followed by 4; Cat. No. 105 followed by 000, followed by F, followed by 1, 2, 4 or 5, followed by 3, followed by 3 or 6.

Cat. No. 050-016-033B/J.

Connector covers. Part Nos. EC, TC followed by 100F, followed by 2 through 28.

Part No. SCC followed by 100F or 156F, followed by 2 through 28.

Part No. SCC100F-3375.

Part Nos. EC, TC followed by 156F, followed by 2 through 24.

Female connectors.

Series 130, 16 through 96 circuits. Each may be followed by suffixes denoting minor variations.

Cat. No. 136 followed by any number 111 through 195, followed by 1 or 5, followed by any number 0 through 9, followed by 1 or 3.

Part Nos. CE, CT may be followed by P or TL, followed by 100F, followed by 22, 24, 26 or 28, followed by 2 through 28, may be followed by any alphanumeric code.

Part Nos. CE, CT may be followed by P, followed by 156F, followed by 18, 20, 22, 24 or 26, followed by 2 through 24, may be followed by any alphanumeric code.

Cat. No. CE or CT followed by H, followed by P or no designation, followed by 100 or 156, followed by F18, followed by any number -02 through -12, may be followed by any alphanumeric code.

Cat. No. CT100F22-3374.

Cat. Nos. CSF followed by -18, -20, -22, followed by -03, followed by -01, -02.

Flat cable connectors. Series C, D, E, F.

Headers. Series 050, 10 through 64 circuits, may be followed by suffixes denoting minor variations.

Cat. No. 057 followed by any number -006 through -060, followed by any number -000 through -999.

Cat. No. 100 or 101, followed by any number 0 through 9, followed by 32, 48, 69 or 96 , followed by any alphanumeric code.

Series 120 male connector (headers), Cat. No. 120 followed by 0 through 9, followed by 32 through 64, followed by -0 or -1, followed by 00 through 99, followed by additional suffixes.

Series 120 female connector, Cat. No. 120 followed by 0 through 9, followed by 32 through 64, followed by -4, followed by 00 through 99, followed by additional suffixes.

Series 130, 16 through 96 circuits, may be followed by suffixes denoting minor variations.

IDC Headers. Series 057, 10 through 64 circuits, may be followed by suffixes denoting minor variations.

Polarizing tabs. Cat. Nos. PK-100-C, -156-C.

D-Sub PWB right angle (7.2mm), RDM Series, D-Sub IDC, IDM Series, Centronic PWB right angle, RRM Series, Centronic IDC type, IRM Series, Pin header, 051 Series.

Shrouds. Cat. No. 120-000 followed by any alphanumeric code, except -032 and -042.

Strain reliefs. Cat. Nos. 100-000-032, -042.

Terminal strips , Cat. No. F, followed by T or B, followed by the letter A or no entry, followed by any number 2 through 36 inclusive, followed by any 6 digit number.

Terminal strips Part No. MWWS followed by 156, followed by 2 thru 24 or Part Nos. MF, ML or MP, followed by A or S, followed by P, R or S, followed by 156, followed by 2 thru 24.

Part No. MFAE or MWWS followed by 100, followed by 2 thru 36 or Part Nos. HF, HL, MF, ML, MP and MT followed by A or S, followed by E, P or S or followed by 100, followed by 2 thru 36.

Part Nos. HF, HL, HP, MF, ML, MP followed by AS, SR or SS, followed by 156, followed by 2 thru 24.

Cat. No. M followed by F, L or P, followed by S, followed by R or S, followed by 156, followed by -02 thru -24.

Note: The above part number designations may be provided with prefix and suffix letters denoting: Packaging

information, gold plating for current carrying parts, customer coding or mechanical variations such as omission of pin terminals.

Marking: Company name "Panduit" and part designation on device or carton.

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ECBT2.GuideInfo

Connectors for Use in Data, Signal, Control and Power Applications - Component

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Connectors for Use in Data, Signal, Control and Power Applications - Component

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UNDERWRITERS LABORATORIES INC.

GENERAL

This category covers single and multipole connectors for factory assembly to copper conductors or printed wiring boards for use in data, signal, control and power applications within and between electrical equipment. These connectors may employ crimp terminals, solder terminals, quick-connect terminals, insulation displacement or insulation piercing terminals, pressure terminal connectors, wire-binding screws, or other terminals that are intended for factory wiring.

Where only the catalog or series designation are indicated in the individual Recognitions, the ratings and Conditions of Acceptability are contained in the Recognition Report.

Ratings — Unless otherwise noted in the individual Recognitions, these devices have not been evaluated for current interruption (making or breaking a mated connection under load), nor for connection to branch circuit receptacle outlets. Devices without a specified electrical rating have not been tested for current carrying capability and should be evaluated in the end-use product. Devices covered under this category are eligible for assigned ratings up to 200 A and up to 600 V ac or dc. Devices with assigned electrical ratings have been investigated for their current-carrying capability under conditions representing the manufacturer's intended use with operating temperatures not exceeding the connector's insulating material or terminated conductors.

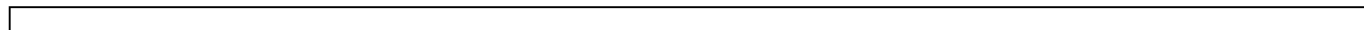
Unless otherwise noted in the individual Recognitions, conductor secureness testing has been performed on crimp contacts at 20 lbf for 18 AWG or larger conductors and 8 lbf for smaller conductors using stranded copper conductors.

Unless otherwise specified in the individual Recognitions, the connections between an insulation piercing or insulation displacement terminal and the conductors of a flexible cord, ribbon cable or wire have not been evaluated. The electrical and mechanical properties of the connection should be subjected to testing based upon the requirements for the end-use product.

The connections between a printed circuit board or solder terminal and the traces on a printed wiring board or the conductors of a flexible cord, ribbon cable or wire have not been evaluated. The electrical and mechanical properties of the connection should be subjected to testing based upon the requirements for the end-use product.

Clips, flanges, screws or other mounting hardware have not been evaluated for their ability to secure the connector in place and should be evaluated in the end-use product.

Unless otherwise noted in the individual Recognitions, these devices have not been evaluated for use in equipment grounding applications.



Spacings — Unless otherwise specified in the individual Recognitions, spacings through air or over surfaces are 1.2 mm minimum for a device rated 250 V or less, and 3.2 mm minimum for a device rated more than 250 V.

Hybrid Device — A device employing dedicated contacts of two or more rating designations.

Insulating Materials — The insulating materials used in devices rated less than 8.3 A and less than 30 rms (less than 42 peak) have been evaluated for their Relative Thermal Index (Electrical and Mechanical without impact). In addition to Relative Thermal Index, devices rated 8.3 A - 200 A, 30 - 600 V have been evaluated for Flame Rating. The maximum operating temperature for any connector shall not exceed the rated operating temperature that is based on the Relative Thermal Index of the material.

Devices marked with a flammability class have demonstrated compliance with the applicable flame class as described in UL 94, "Tests for Flammability of Plastic Materials for Parts in Devices and Appliances."

CONDITIONS OF ACCEPTABILITY

Consideration is to be given to the Conditions of Acceptability specified in the individual Recognitions when the components are employed in the end-use equipment.

REQUIREMENTS

The basic standard used to investigate products in this category is UL 1977, "Component Connectors for Use in Data, Signal, Control and Power Applications."

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