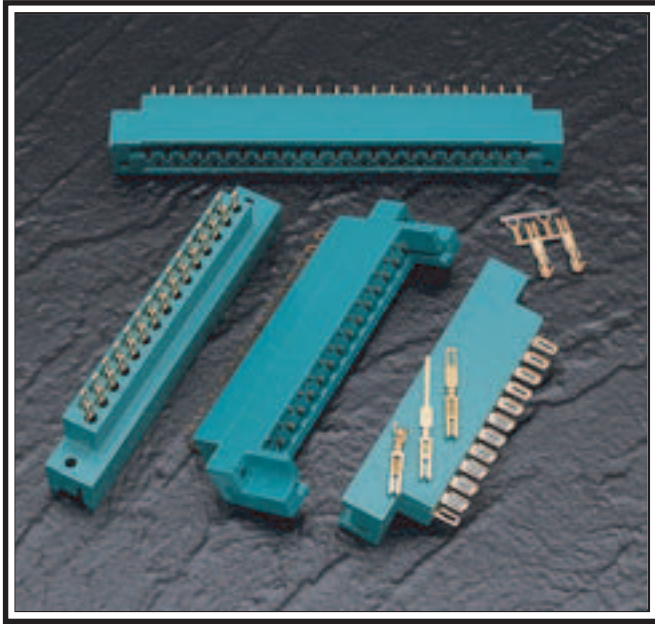


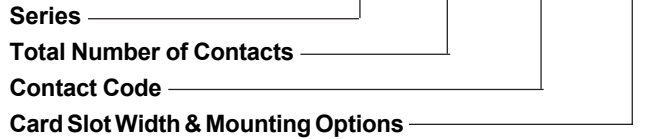
415/438 SERIES METAL TO METAL (TWO PIECE) CONNECTOR

Receptacle



415/438 SERIES ORDERING CODE

Example Part Number **415 - 035 - 500 - 212**



Series	Insulator Card Slot Ends
415	Closed Card Slot Ends
438	Open Card Slot Ends

Total Number of Contacts
017, 023, 029, 035, 041 or 047

Contact Code	Description & Tail Size	Tail Length "G"
000	No Contacts Assembled	—
500	Wire Hole .110 x .024 (2.79 x 0.61)	.245 (6.22)
520	P.C. Tail .025 x .024 (0.64 x 0.61)	.215 (5.46)
540	Wire Wrap .050 x .024 (1.27 x 0.61)	.600(15.24)
541	Wire Wrap .026 x .024 (0.66 x 0.61)	.620(15.75)
542	Wire Wrap .050 x .025 (1.27 x 0.61)	.790(20.07)

Card Slot Width and Mounting Options ³	Description
112	Accepts .062 (1.57) Board .128 (3.25) Dia. Mounting Holes
122	Accepts .093 (2.36) Board .128 (3.25) Dia. Mounting Holes
212	Accepts .062 (1.57) Board .128 (3.25) Dia. Mounting Holes With Card Guides
222	Accepts .093 (2.36) Board .128 (3.25) Dia. Mounting Holes With Card Guides

Ordering Code Notes

1) Crimp contacts are also available for the 415 and 438 series connectors. Contacts may be ordered separately for pre-wired or select position assembly.

Part Number	Description	Silhouette
516-290-500	Wire Hole	
516-290-520	P.C. Tail	
516-290-540	Wire Wrap	
516-290-541	Wire Wrap	
516-290-542	Wire Wrap	
516-290-590	Crimp - Loose	
516-290-591	Crimp - 1800 Contacts per Reel	

2) For contact installation, removal and crimping tools, refer to page 96.

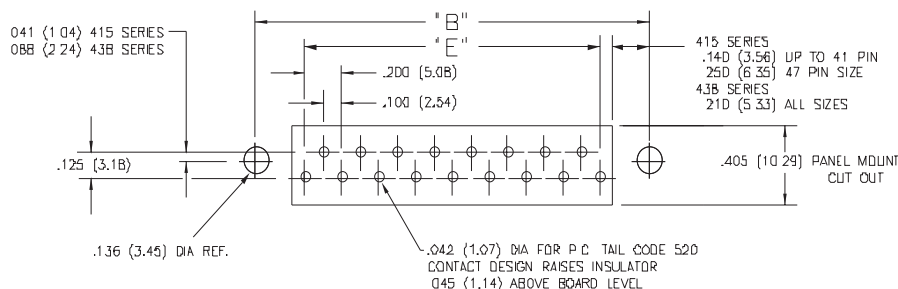
3) Mounting options 212 and 222 are available on the 415 series connectors only.

FEATURES

- .200 (5.08) Contact Spacing x .125 (3.18) Row Spacing with Staggered Grid
- Accepts .062 (1.57) or .093 (2.36) Nominal Thickness P.C. Board
- Edacon Hermaphroditic Contact Mating Design
- Contact Termination Options include Crimp, P.C. Tail, Wire Hole and Wire Wrap
- Open or Closed Card Slot Ends, Card Guides Optional
- Accepts Polarizing Keys without Loss of Contact Position
- 415 Series without Card Guides Designed to Mate with 421 Series, 415 Series with Card Guides Designed to Mate with 422 Series, 438 Series Designed to Mate with 423 Series

SPECIFICATIONS

- ◆ Insulator Material: Polyphenylene Sulphide, UL 94V-0, Colour: Green
- ◆ Contact Material: Phosphor Bronze Alloy CA-510
- ◆ Contact Plating: Gold over Nickel for Entire Contact
- ◆ Current Rating: 8.5 Amperes
- ◆ Contact Resistance: 10 Milliohms Maximum
- ◆ Dielectric Withstanding Voltage: 2000 V AC rms at Sea Level
- ◆ Insulation Resistance: 5000 Megohms Minimum
- ◆ Operating Temperature: -65 to +105 Degrees C
- ◆ Insertion and Withdrawal Force: 2 to 16 oz (0.56 to 4.45 N) per Contact Position



CONNECTOR MOUNTING PATTERN FOR 415 & 438 SERIES