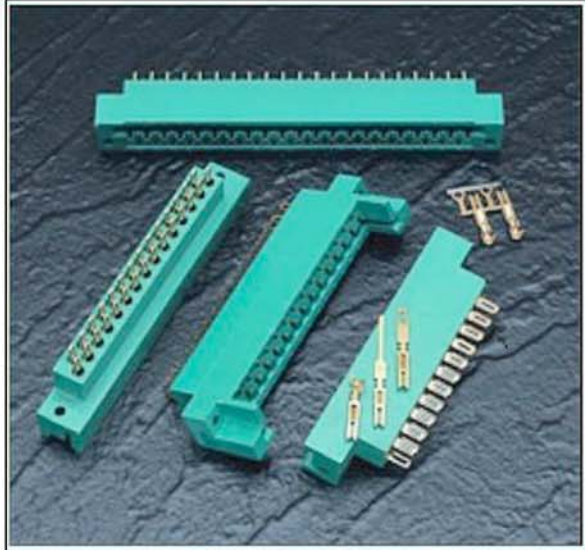




# SERIES 415/438



Example Part Number 415 - 035 - 500 - 212

Series \_\_\_\_\_  
 Total Number of Contacts \_\_\_\_\_  
 Contact Code \_\_\_\_\_  
 Card Slot Width & Mounting Options \_\_\_\_\_

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 47

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	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

- 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	

- 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: P.C. Tail, Wire Hole Wire Wrap and Crimp

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: Diallyl Phthalate, UL 94V-0

Colour: Green

Contact Material: Phospor Bronze Alloy CA-510

Contact Plating: Gold over Nickel for Entire Contact

Current Rating: 8.5 Amperes

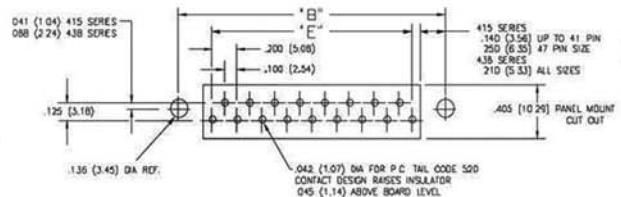
Contact Resistance: 10 Milliohms Maximum

Dielectric Withstanding Voltage: 2000 V AC rms at Sea Level

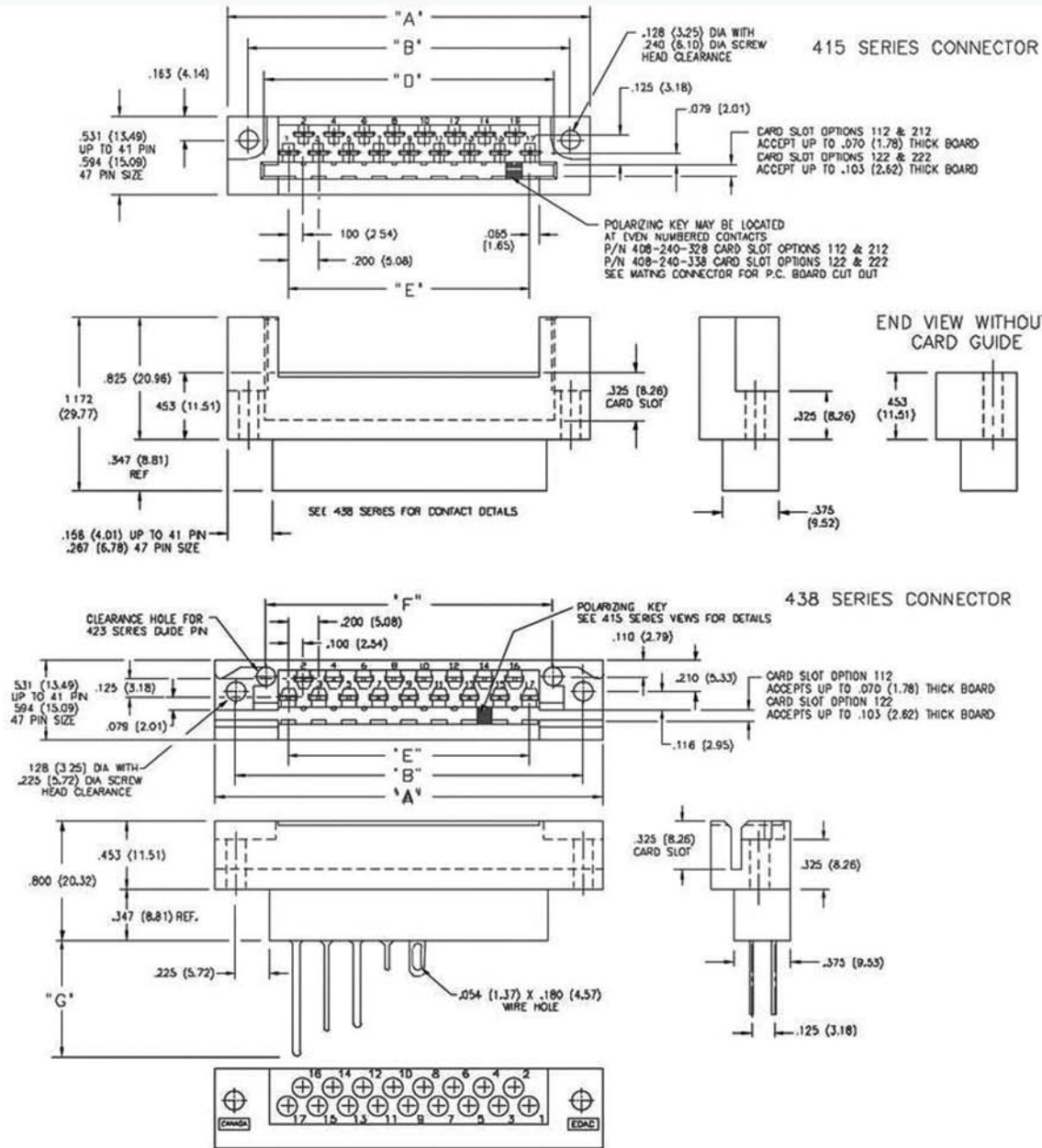
Insulation Resistance: 5000 Megohms Minimum

Operating Temperature: -65 to +125 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



NUMBER OF CONTACTS	"A"		"B"		"D"	"E"	"F"
	415	438	415	438	415	415, 438	438
	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)	Inch (mm)
17	2.406 (61.11)	2.570 (65.28)	2.134 (54.20)	2.300 (58.42)	1.920 (48.77)	1.800 (40.64)	1.900 (48.26)
23	3.006 (76.35)	3.170 (80.52)	2.734 (69.44)	2.900 (73.66)	2.520 (64.01)	2.200 (55.88)	2.500 (63.50)
29	3.606 (91.59)	3.770 (95.76)	3.334 (84.68)	3.500 (88.90)	3.120 (79.25)	2.800 (71.12)	3.100 (78.74)
35	4.206 (106.83)	4.370 (111.00)	3.934 (99.92)	4.100 (104.14)	3.720 (94.49)	3.400 (86.36)	3.700 (93.98)
41	4.806 (122.07)	4.970 (126.24)	4.534 (115.18)	4.700 (119.38)	4.320 (109.73)	4.000 (101.60)	4.300 (109.22)
47	5.620 (142.75)	5.570 (141.48)	5.352 (135.94)	5.300 (134.62)	5.030 (127.76)	4.600 (116.84)	4.900 (124.46)