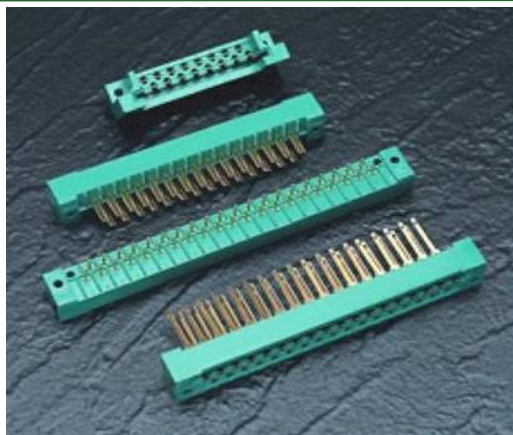




# 408/424 SERIES

## METAL TO METAL (TWO PIECE) CONNECTOR



### FEATURES:

- .200" (5.08mm) Contact Spacing x .125" (3.18mm) or .150" (3.81mm) Row Spacing with staggered Grid
- Accepts .062" (1.57mm) Nominal Thickness P.C. Board
- Edacon Hermaphroditic Contact Mating Design
- Contact Termination Options include P.C. Tail, Fork Tail, Wire Hole and Wire Wrap
- Open or Closed Card Slot Ends, Card Guides Optional
- Accepts Polarizing Keys without Loss of Contact Position
- 408 series without Card Guides Designed to mate with 421 Series, 408 Series with Card Guides design to mate with 422 Series, 424 Series Designed to mate with 423 Series
- RoHS Compliant & UL Recognized

### Specifications:

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Insulator Material           | UL 94V-0 Diallyl Phthalate, Green Color         |
| Contact Material             | Copper Alloy                                    |
| Contact Plating              | Gold Plating over Nickel over entire contact    |
| Current Rating               | 10A Continuous                                  |
| Contact Resistance           | 10 milliohms maximum                            |
| Dielectric Withstand Voltage | 2000 VAC rms at sea level                       |
| Insulation Resistance        | 5000 Megohms minimum                            |
| Operating Temperature        | -65°C to +125°C                                 |
| Insertion Force              | 2 to 16 Oz (0.56 to 4.45N) per contact position |
| Withdrawal Force             | 2 to 16 Oz (0.56 to 4.45N) per contact position |

Example Part Number:

**424-041-500-112**

Series

Total Number of Contacts

Contact Code

Card Slot Width and Mounting Options

### Series

408

424

### Insulator Card Slot Ends

Closed Card Slot Ends

Open Card Slot Ends per Mil-C-21097

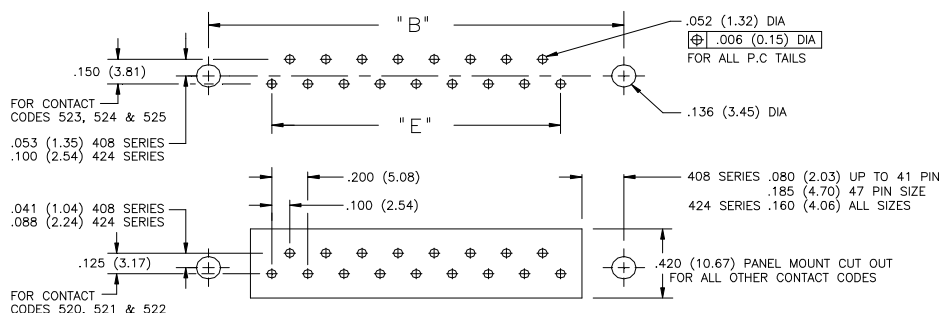
### Total Number of Contacts

017, 023, 029, 041

### Ordering Code Notes

- 1) Contact Codes 523, 524 and 525 are designed for 0150" (3.81mm) row spacing connectors.
- 2) Contact code 540 has a wire hole at the tip of the tail.
- 3) Mounting options 212 and 222 are available on the 408 series contacts only.

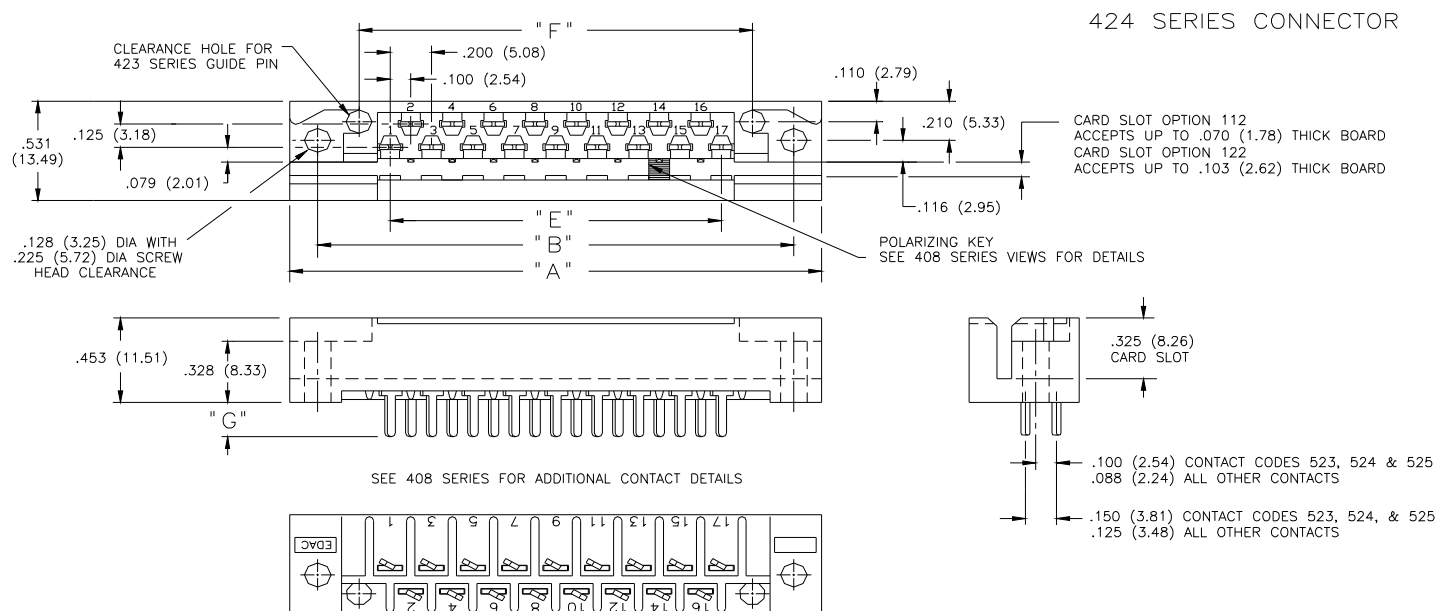
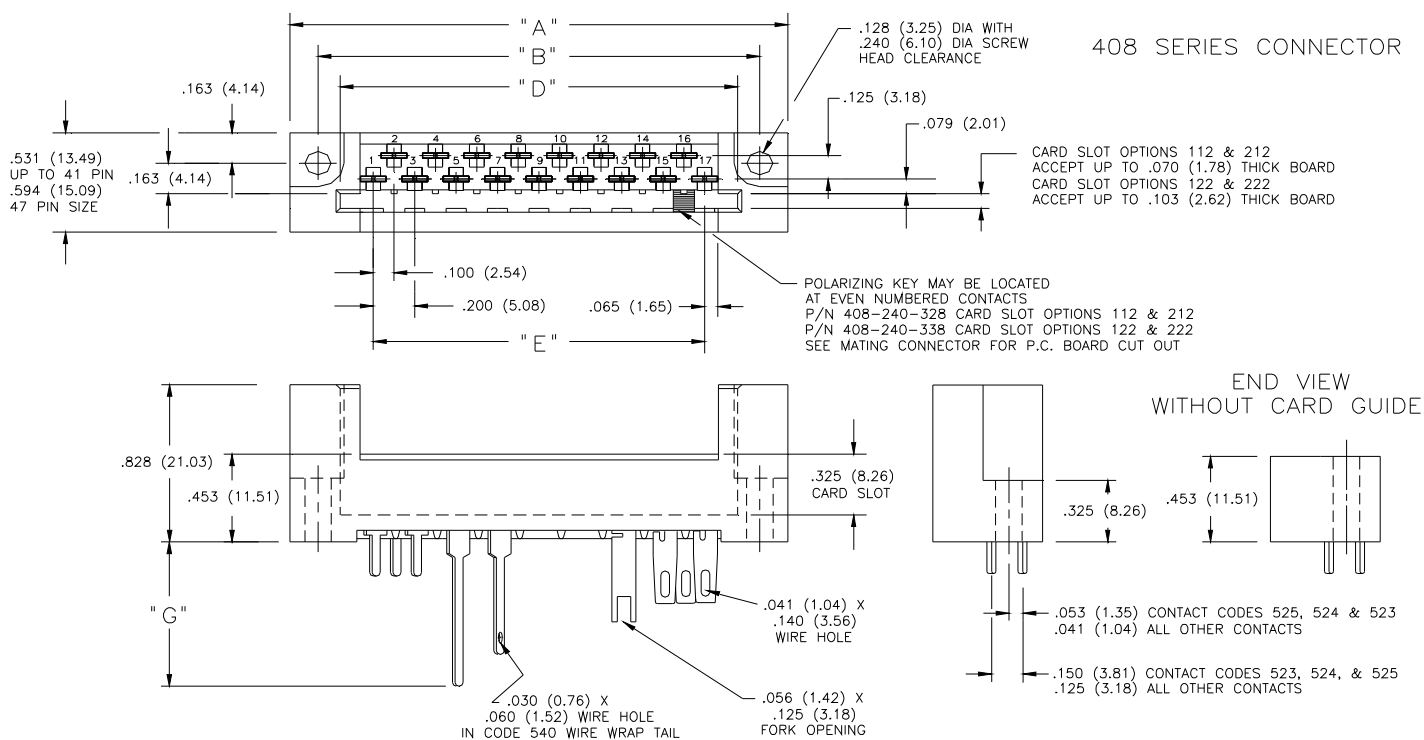
| Contact Code | Description & Tail Size             | Tail Length "G" |
|--------------|-------------------------------------|-----------------|
| 500          | Wire Hole .115 x .025 (2.92 x 0.64) | .326 (8.28)     |
| 502          | Fork Tail .115 x .025 (2.92 x 0.64) | .168 (4.27)     |
| 520          | P.C. Tail .044 x .025 (1.12 x 0.64) | .123 (3.12)     |
| 521          | P.C. Tail .044 x .025 (1.12 x 0.64) | .154 (3.91)     |
| 522          | P.C. Tail .044 x .025 (1.12 x 0.64) | .186 (4.72)     |
| 523          | P.C. Tail .044 x .025 (1.12 x 0.64) | .123 (3.12)     |
| 524          | P.C. Tail .044 x .025 (1.12 x 0.64) | .154 (3.91)     |
| 525          | P.C. Tail .044 x .025 (1.12 x 0.64) | .186 (4.72)     |
| 540          | Wire Wrap .060 x .025 (1.52 x 0.64) | .744 (18.90)    |
| 541          | Wire Wrap .060 x .025 (1.52 x 0.64) | .744 (18.90)    |
| 542          | Wire Wrap .060 x .025 (1.52 x 0.64) | .965 (24.51)    |



CONNECTOR MOUNTING  
PATTERNS FOR 408 & 424 SERIES

## 408/424 SERIES

## METAL TO METAL (TWO PIECE) CONNECTOR



| NUMBER OF CONTACTS | "A"   |        |       |        | "B"   |        |       |        | "D"   |        | "E"      |        | "F"   |        |
|--------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|----------|--------|-------|--------|
|                    | 408   |        | 424   |        | 408   |        | 424   |        | 408   |        | 408, 424 |        | 424   |        |
|                    | 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  | 1.600    | 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 | 115.16 | 4.700 | 119.38 | 4.320 | 109.73 | 4.000    | 101.60 | 4.300 | 109.22 |