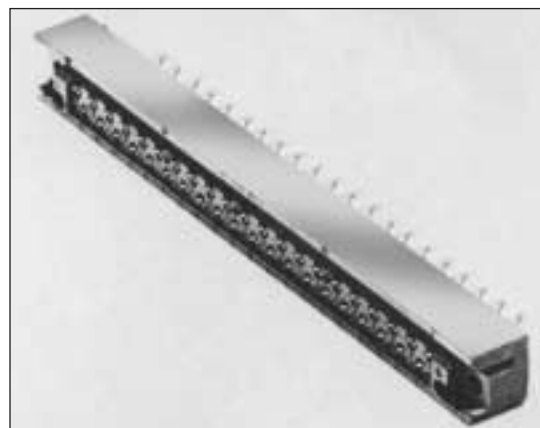


## Series 7024 – 0.100" Staggered Dual Row

### FEATURES

- Conforms to MIL-C-21097 Qualified Products List (QPL)
- Guide sockets facilitate mating, ensure correct alignment
- Open-ended card slot; use with p.c. card of any width
- Wide range of contact terminations
- Many sizes available
- For 1/16" or 3/32" p.c. card
- Mates with Series 7023 Plug



### TECHNICAL SPECIFICATIONS

**Current Rating:**  
10 amperes

**Contact Resistance:**  
6 milliohms, maximum

**Contact Material and Plating:**  
Phosphor Bronze per QQ-B-750, Composition A.

Gold, 10 microinches minimum, over nickel, 30 to 100 microinches

**Insulator Material:**  
Diallyl phthalate, glass-filled, flame resistant, per MIL-M-14F, Type SDGF.

**Insulation Resistance:**  
25,000 megohms, minimum

**Dielectric Withstanding Voltage:**  
Sea Level: 1800 Volts rms  
3.4" Hg: 675 Volts rms

**Insertion/Withdrawal Force:**  
2 to 16 ounces per contact

**Conforms to Military Specifications:**  
MIL-C-21097, MIL-E-5400, MIL-E-8189, MIL-T-21200, MIL-E-19600 (Para. 3.5.5), MIL-STD-454.

### ORDERING CODE

**00**

**7024**

**023**

**Number of Contacts**  
017, 023, 029, 035, 041

**163**

**Contact Code**  
See table.

**001**

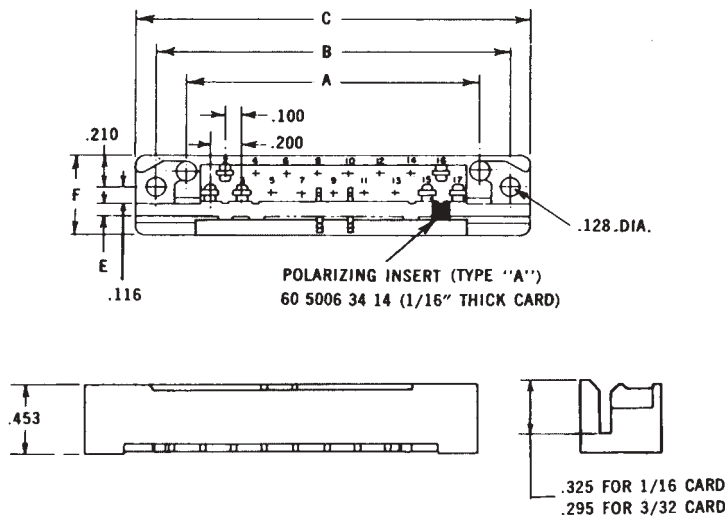
**Variation Code**  
001 = 1/16" Thick Card  
002 = 3/32" Thick Card  
110\* = 1/16" Thick Card  
111\* = 3/32" Thick Card

\* For Conformance to MIL-C-21097B

|                                                                               |  |
|-------------------------------------------------------------------------------|--|
| 141 = 60 7001 06 33                                                           |  |
| P.C. Termination for 1/8" Card                                                |  |
| 146 = 60 7001 13 13                                                           |  |
| .078" Base Taper Tab                                                          |  |
| 156 = 60 7001 18 13                                                           |  |
| Wire wrapping (.026 x .062 x .600")                                           |  |
| 163 = 60 7001 19 13                                                           |  |
| .098" Base Taper Tab w/Wire Hole                                              |  |
| 165 = 60 7001 20 13                                                           |  |
| Forked Tail Solder Termination for Bus Line Connection<br>(.056 x .125" Slot) |  |
| 166 = 60 7001 20 23                                                           |  |
| Dual Solder Termination for 2 Wires or Bus Line<br>(.056 x .125" Slot)        |  |
| 189 = 60 7004 02 13                                                           |  |
| Conventional Solder Termination for 3 Wires                                   |  |

| Connector Description | Availability    |    |    |    |    |
|-----------------------|-----------------|----|----|----|----|
|                       | No. of Contacts |    |    |    |    |
|                       | 17              | 23 | 29 | 35 | 41 |
| For 1/16" Card        | X               | X  | X  | X  | X  |
| For 3/32" Card        | X               | X  | X  | X  | X  |

## Series 7024 – 0.100" Staggered Dual Row



### DIMENSIONS:

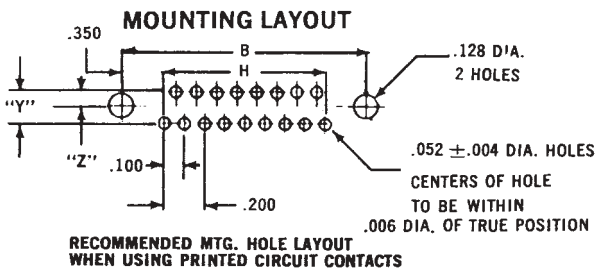
millimeters (inches)

| Number of Contacts | A             | B             | C Max.        | D             | E $\pm .003$ $\pm .002$ |              | F      | G††          |              | H             | N††          |              |
|--------------------|---------------|---------------|---------------|---------------|-------------------------|--------------|--------|--------------|--------------|---------------|--------------|--------------|
|                    |               |               |               |               | 1/16" Card              | 3/32" Card   |        | Con.         | N-Con.       |               | Con.         | N-Con.       |
| 17                 | 1.900 (0.075) | 2.300 (0.091) | 2.570 (0.101) | 1.185 (0.072) | .074 (0.003)            | .105 (0.004) | 17/32" | .468 (0.018) | .343 (0.014) | 1.600 (0.063) | .208 (0.008) | .146 (0.006) |
| 23                 | 2.500 (0.098) | 2.900 (0.114) | 3.170 (0.125) | 2.435 (0.096) | .074 (0.003)            | .105 (0.004) | 17/32" | .468 (0.018) | .343 (0.014) | 2.200 (0.087) | .208 (0.008) | .146 (0.006) |
| 29                 | 3.100 (0.122) | 3.500 (0.138) | 3.770 (0.148) | 3.035 (0.119) | .074 (0.003)            | .105 (0.004) | 17/32" | .468 (0.018) | .343 (0.014) | 2.800 (0.110) | .208 (0.008) | .146 (0.006) |
| 35                 | 3.700 (0.146) | 4.100 (0.161) | 4.370 (0.172) | 3.635 (0.143) | .074 (0.003)            | .105 (0.004) | 17/32" | .468 (0.018) | .343 (0.014) | 3.400 (0.134) | .208 (0.008) | .146 (0.006) |
| 41                 | 4.300 (0.169) | 4.700 (0.185) | 4.970 (0.196) | 4.235 (0.167) | .074 (0.003)            | .105 (0.004) | 17/32" | .468 (0.018) | .343 (0.014) | 4.000 (0.157) | .208 (0.008) | .146 (0.006) |

†† N-CON = Non-Conductive Chassis  
(1/16" Clearance Around Contacts)

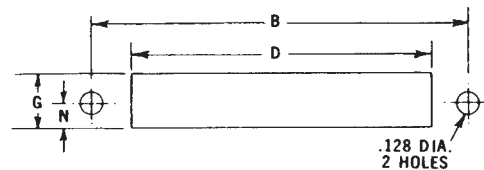
CON = Conductive Chassis  
(1/8" Clearance Around Contacts)

### MOUNTING LAYOUT



STANDARD CENTERS WHEN "Y" = .125; "Z" = .088

SPECIAL CENTERS WHEN "Y" = .150; "Z" = .100



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