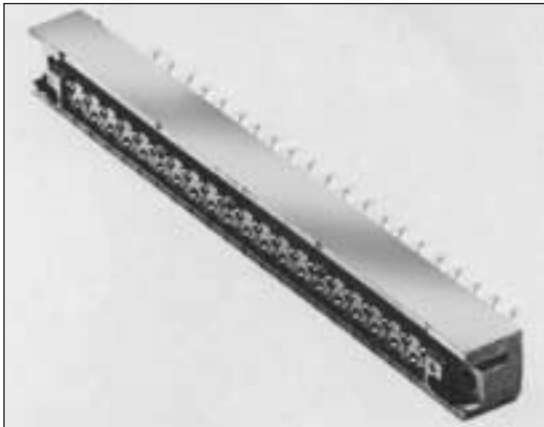


Series 7024 – 0.100" Staggered Dual Row

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

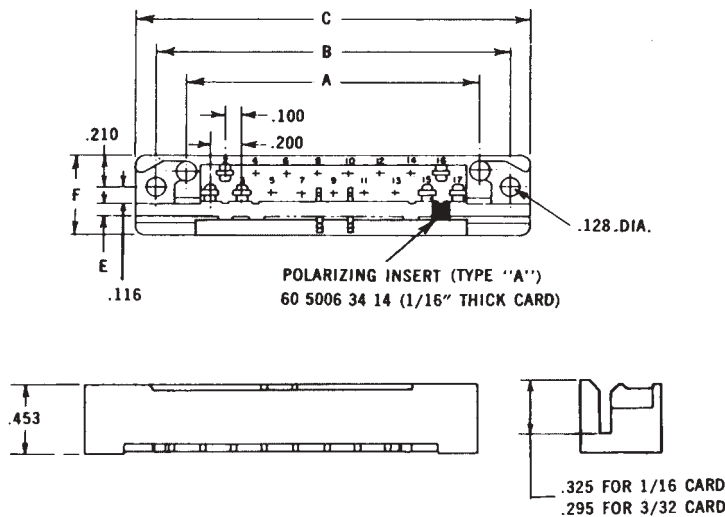
Variation Code
001 = 1/16" Thick Card
002 = 3/32" Thick Card
110* = 1/16" Thick Card
111* = 3/32" Thick Card

* 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 (.056 x .125" Slot)	
166 = 60 7001 20 23	
Dual Solder Termination for 2 Wires or Bus Line (.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:

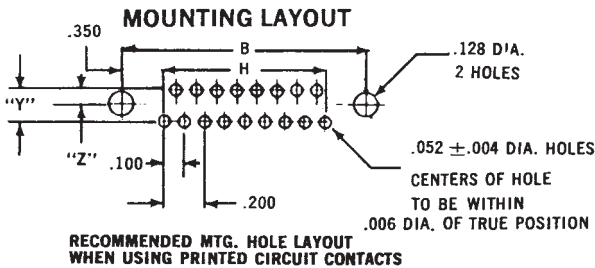
millimeters (inches)

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

