

3M™ Connector for CFast™ Card

7G24 Series



- Headers mate with both CFast™ Type I and Type II cards
- Extended guide rails enable accurate and easy card insertion
- Single row surface mount solder tails facilitate auto placement and IR soldering
- Optional 2 mm board standoff enables board population
- Meets CFA standards for known compatibility and reliability
- Optional ejector and card retainer can be purchased pre-assembled or separately
- Integral side solder tab with card grounding feature and also prevent the card from ‘flying’ out of header during ejection
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnector.com for compliance information (RIA E1 & C1 apply)

Date Modified: May 12, 2010

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Physical

Insulation:

Material: High Temperature Thermoplastic
Flammability: UL 94V-0
Color: Beige

Contact:

Material: Copper Alloy

Terminal Plating:

Underplating: 80 μ " [2.03 μ m] Min. Nickel
Wiping Area: 15 μ " or 30 μ " [0.38 – 0.76 μ m] Min. Gold
Solder Tail: 100 μ " [2.54 μ m] Min. Matte Tin

Electrical

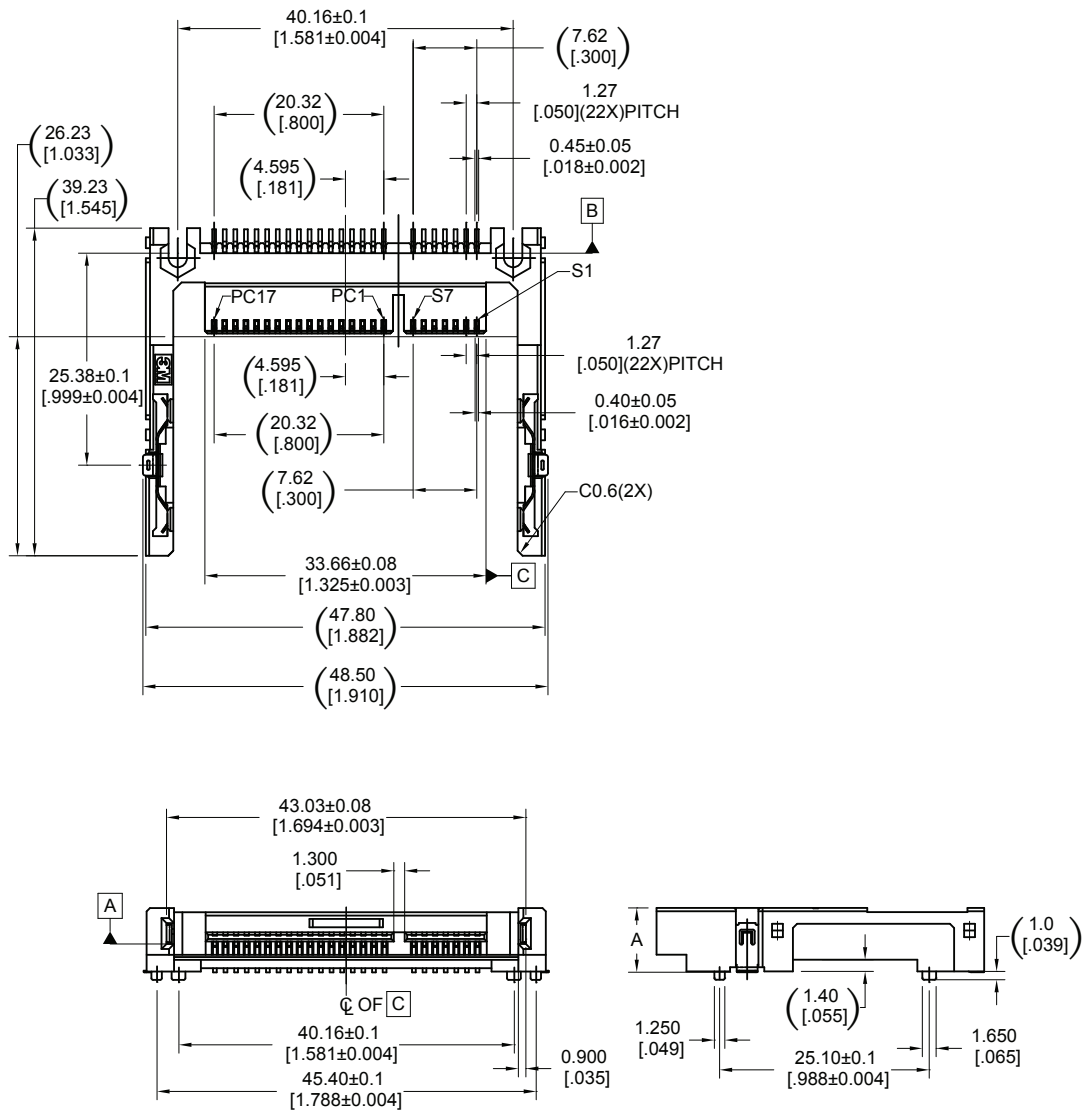
Current Rating: 1.5 A per pin
Insulation Resistance: 10³ M Ω at 500 V_{AC}
Withstanding Voltage: 500 V_{AC} for 1 minute

Environmental

Temperature Rating: -40°C to 85°C
Process Temperature Rating: Max. 260°C (per J-STD-020C)
Moisture Sensitivity Level: 1 (per J-STD-020C)

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| Part No. | Dimension 'A' mm [inch] |
|---------------------|----------------------------|
| N7G24-A0B2XX-00-XHT | 5.70 [.224] |
| N7G24-A0B2XX-10-XHT | 7.70 [.303] |

| mm [inch] | | | |
|------------------------|------------|------------|------------|
| Tolerance Unless Noted | | | |
| | .0 | .00 | .000 |
| mm | $\pm .25$ | $\pm .15$ | $\pm .05$ |
| inch | $\pm .010$ | $\pm .006$ | $\pm .002$ |

[] Dimensions for Reference Only

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COMPONENT REFLOW KEEP OUT ZONE
(FOR NO STANDOFF HEIGHT CONNECTOR)



COMPONENT REFLOW KEEP OUT ZONE
(FOR 2MM STANDOFF CONNECTOR)

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RECOMMENDED PCB THICKNESS 1.65 [0.066] NOMINAL
HOLE & PAD PATTERN TOL ±0.05 [0.002]

Ordering Information

N7G24 - A 0 X X XX - X 0 - X XX

Physical Configuration (Total Arm Length)

A = 39.23 mm

Card Polarization

B = Normal

**D = Inverse

Mounting Style

2 = Surface Mount, Right Angle
1.27 mm Tail Pitch

Plating Suffix

**EA=15 µ" min. Gold plated at mated end and Gold Flash at soldertail. 80 µ" min. Nickel underplated all over.

**EB=30 µ" min. Gold plated at mated end and Gold Flash a soldertail. 80 µ" min. Nickel underplated all over.

RA=15 µ" min. Gold plated at mated end and 100 µ" min. Matte-Tin plated at soldertail. 80 µ" min. Nickel underplated all over.

RB=30 µ" min. Gold plated at mated end and 100 µ" min. Matte-Tin plated at soldertail. 80 µ" min. Nickel underplated all over.

Packaging Option

HT = Hard Tray

**WF = Tape & Reel

Preassembly

0 = No preassembly accessory

3 = Right Dual-Push Ejector
(P/N: 7G24-B5A6-05)

5 = Left Dual-Push Ejector
(P/N: 7G24-B6A6-05)

7 = Latching Retainer
(P/N: 7E50-C016-00)

0 = No Standoff

1 = 2 mm Standoff

Notes:

** are for future development

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Electronic Solutions Division
Interconnect Solutions
<http://www.3Mconnector.com>

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