# 3M<sup>™</sup> CF Card Header

CompactFlash™ Type II, Long Guides, Surface Mount

7E50 Series



- Headers mate with both CompactFlash™ Type I and Type II cards
- Polarization options for top or bottom boardmount
- 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
- Metal brace provides stability for ejector attachment
- Multiple styles of ejector available
- Optional ejector can be purchased pre-assembled or separately
- Optional Tape and Reel or Tray packaging for automated assembly
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnector.com for compliance information (RIA E1 & C1 apply)

Date Modified: August 16, 2010

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## **Physical**

#### **Insulation:**

Material: High Temperature Thermoplastic

Flammability: UL 94V-0

Color: Beige

Contact:

Material: Copper Alloy

**Plating:** 

Underplating: 2.03 µm [ 80 µ" ] Nickel

Wiping Area:  $0.38 \mu m [15 \mu]$  or  $0.76 \mu m [30 \mu]$  Gold Solder Tails:  $3.81 \mu m [150 \mu]$  Matte Tin or Gold Flash

Marking: 3M Logo

### **Electrical**

**Current Rating:** 0.5 A

**Insulation Resistance:**  $10^3\Omega$  at  $500 V_{DC}$ **Withstanding Voltage:**  $500 V_{AC}$  for 1 minute

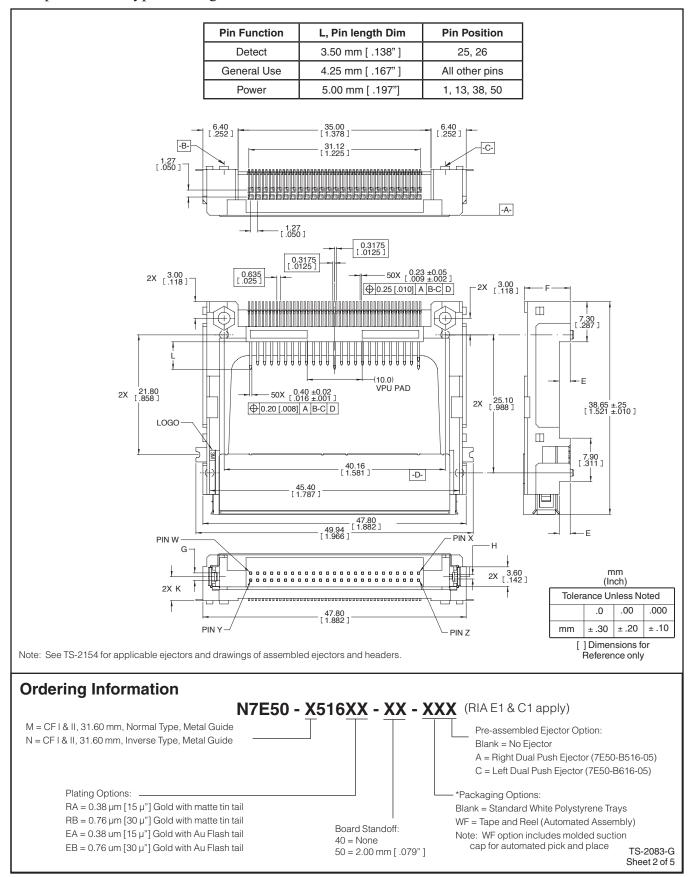
## **Environmental**

**Temperature Rating:** -40°C to +85°C

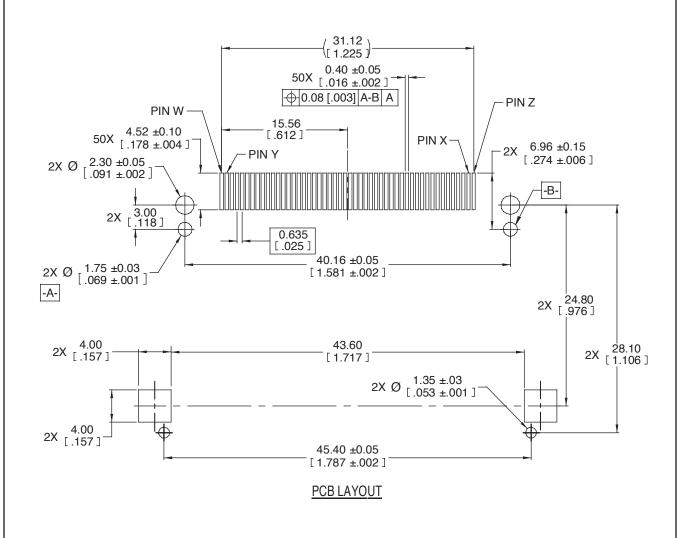
**Process Rating:** Maximum 260 C (per J-STD-020C)

Moisture Sensitivity Level: 1 (per J-STD-020C)

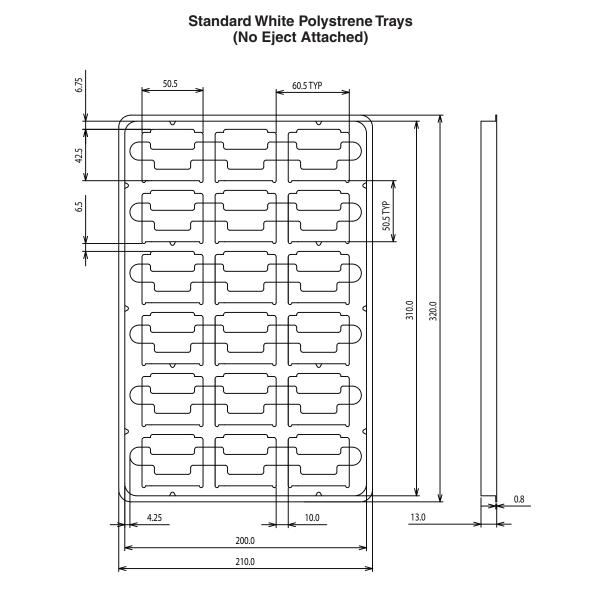
CompactFlash is a registered trademark of Sandisk Corporation.



Part Number	E mm [ inch ]	F mm [ inch ]	G mm [ inch ]	H mm [ inch ]	K mm [inch]	Pin W	Pin X	Pin Y	Pin Z
N7E50-M516XX-40	0.00	6.30 [ .248 ]	1.40 [ 0.55 ]	0.80 [ .031 ]	2.35 [ .093 ]	Pin 1	Pin 25	Pin 26	Pin 50
N7E50-M516XX-50	2.00 [ .079 ]	8.30 [ .328 ]	1.40 [ .055 ]	0.80 [ .031 ]	4.35 [ .171 ]	Pin 1	Pin 25	Pin 26	Pin 50
N7E50-N516XX-40	0.00	6.30 [ .248 ]	0.80 [ .031 ]	1.40 [ .055 ]	3.95 [ .156 ]	Pin 50	Pin 26	Pin 25	Pin 1
N7E50-N516XX-50	2.00 [ .079 ]	8.30 [ .328 ]	0.80 [ .031 ]	1.40 [ .055 ]	5.95 [ .234 ]	Pin 50	Pin 26	Pin 25	Pin 1
N7E50-H516XX-50	2.00 [ .079 ]	7.90 [ .311 ]	1.40 [ .055 ]	0.80 [ .031 ]	4.15 [ .163 ]	Pin 1	Pin 25	Pin 26	Pin 50



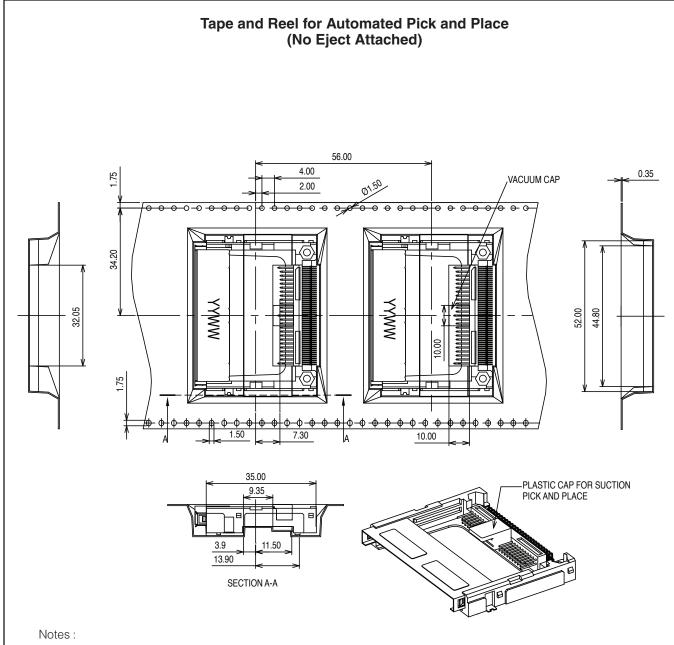
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#### Standard tray notes:

- 1. Material: PS
- 2. Packaging quantity:
  - 1 Tray: 18 pcs
  - 1 Carton box: 15 trays per carton (270 pcs total)
- 3. Carton size: 340 mm (L) by 230 mm (W) by 255 mm (H)
- 4. Standard tray packaging is not suitable for suction-type pick-and-place Operations. Pick-and-place capable tray packaging is available on request.
  - Contact 3M technical service.
- 5. For product with pre-assembled ejectors contact 3M technical service for dimensioned drawings.

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- 1. Material: PS
- 2. Packaging quantity
  - 1 Reel: 100 pcs
  - 1 Carton: 4 reels per carton (400 pcs total)
- 3. Carton size: 725 mm (L) by 375 mm (W) by 320 mm (H)
- 4. For tape and reel packaging with removable vacuum cap for suction pick and place operations
- 5. For product with attached ejectors contact 3M technical service for dimensioned drawings.

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