3M™ CF Card Header
CompactFlash™ Type I, Surface Mount

7E50 Series

- Meets CFA standards
- Single row solder tails with 0.635 mm spacing
- Board component clearance with 1.64 mm standoff
- Ejector option for easy removal of CF Card
- Retainer clip option permits stability for mobile and high vibration applications
- RoHS* compliant version (PG & PK plating suffix) available

Date Modified: September 23, 2005

Physical

<table>
<thead>
<tr>
<th>Insulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material:</td>
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<tr>
<td>Flammability:</td>
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<tr>
<td>Color:</td>
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</tbody>
</table>

<table>
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<tr>
<th>Contact</th>
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<tbody>
<tr>
<td>Material:</td>
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<table>
<thead>
<tr>
<th>Plating</th>
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<tbody>
<tr>
<td>Underplating:</td>
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<tr>
<td>Wiping Area:</td>
</tr>
<tr>
<td>Solder Tails:</td>
</tr>
</tbody>
</table>

Electrical

| Current Rating: | .5 A |
| Insulation Resistance: | >1 x 10^9 Ω at 500 Vdc, >1 x 10^6 Ω at 500 Vdc after Environmental Conditioning |
| Withstanding Voltage: | 500 Vrms at Sea Level |

Environmental

| Temperature Rating: | -55°C to +85°C |
| Process Rating: | Maximum 260°C (per J-STD-020C) |

*RoHS compliant* means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E68080

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CompactFlash™ Type I, Surface Mount

<table>
<thead>
<tr>
<th>Pin Type</th>
<th>Interface Dim A</th>
<th>Pin No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>detect</td>
<td>3.50 [.138]</td>
<td>25, 26</td>
</tr>
<tr>
<td>general</td>
<td>4.25 [.167]</td>
<td>all other pins</td>
</tr>
<tr>
<td>power</td>
<td>5.00 [.197]</td>
<td>1, 13, 38 &amp; 50</td>
</tr>
</tbody>
</table>

Note: Normal (Option "7") style shown. For Inverse style rotate polarization keys and pin call outs 180°.

Ordering Information

N7E50-X516XX-20
Options: CF Card Polarization
7 = Normal
A = Inverse

Plating
VJ = Au Flash over 25μ" [0.64μm] PdNi with Sn-Pb
PG = Au Flash over 25μ" [0.64μm] PdNi with Au Flash tails
(PtHS compliant)
PK = Au Flash over 20 μ"[0.5μm] PdNi with Au flash tails
(PtHS compliant)

TS-0662-21
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For technical, sales or ordering information call
800-225-5373
3M™ CF Card Header
CompactFlash™ Type I, Surface Mount
7E50 Series

Recommended PCB Solder Pad Pattern

Detail A
Right Button Ejector 3M Part D7E50-7316-03
(Order Separately - See note)

Centerline of Header

Ejecting Length

Installed height

Marking Area

material: Holder: Glass Filled LCP
Button: PBT
Plate: Stainless Steel

Material: 1.0mm Dia. Type 302 Stainless Steel wire per ASTM A-313

Note: Use of either an ejector or a retainer clip excludes the use of the other.
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