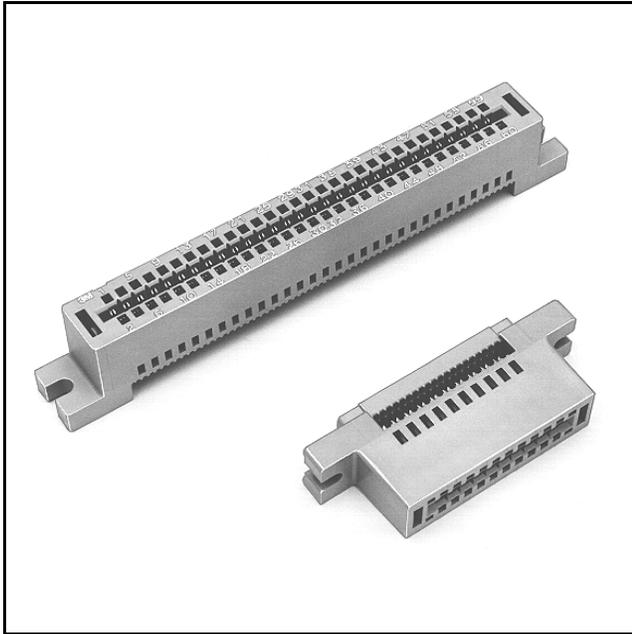


3M™ Card-Edge

.100" With Slotted Mounting Flanges

3000 Series



- Reinforced card-edge resists mouth bowing for consistent contact performance
- Standard slotted mounting flanges
- Metal cover clips provide superior cover retention
- Bifurcated contacts provide reliable contact with PC boards
- Keying plug 3439-2 provides polarization and/or keying
- RoHS* compliant

Date Modified: January 11, 2007

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Sheet 1 of 3

Physical

Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Contact

Material: Copper Alloy

Cover Clip

Material: Stainless Steel

Plating:

Underplating and U-Slot: 100 μ " [2.54 μ m] Nickel

Wiping Area: 30 μ " [0.76 μ m] Gold

Wire Accommodation: 26 and 28 AWG Solid and Stranded

Marking: 3M Logo and Part Identification Number, Position Identification

Electrical

Current Rating: 1 A

Insulation Resistance: $> 1 \times 10^9 \Omega$ at 500 V_{DC}

Withstanding Voltage: 1000 V_{rms} at Sea Level

Environmental

Temperature Rating: -55°C to +105°C

"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

3M™ Pak 100 Card-Edge

.100" With Slotted Mounting Flanges

3000 Series

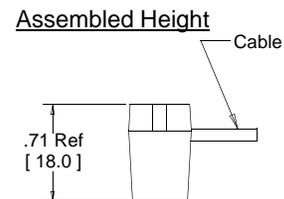
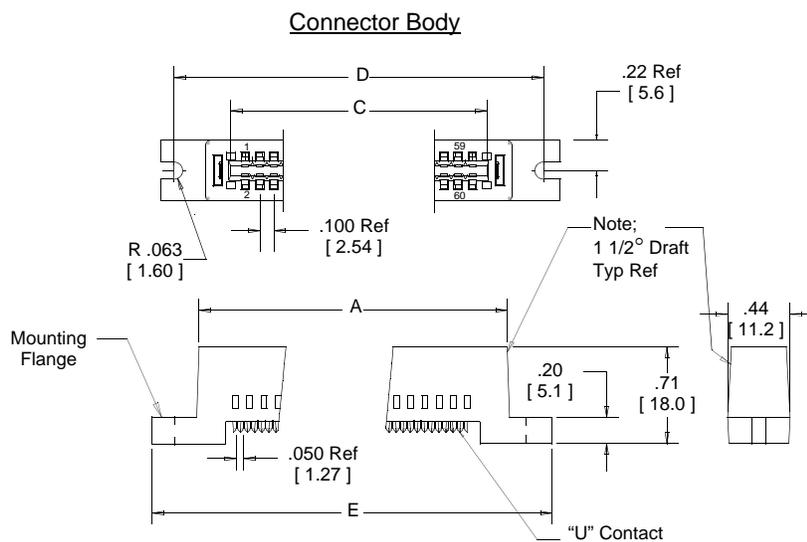
| Contact Quantity | 3M Part Number | Dimensions | | | | |
|------------------|----------------|---------------|---------------|-----------------|----------------|----------------|
| | | A | B | C | D | E |
| 10 | 3358 | 0.96 [24.4] | 0.85 [21.6] | 0.612 [15.54] | 1.30 [33.0] | 1.50 [38.1] |
| 16 | 3368 | 1.26 [32.0] | 1.15 [29.2] | 0.912 [23.16] | 1.60 [40.6] | 1.80 [45.7] |
| 20 | 3461 | 1.46 [37.1] | 1.35 [34.3] | 1.112 [28.24] | 1.80 [45.7] | 2.00 [50.8] |
| 26 | 3462 | 1.76 [44.7] | 1.65 [41.9] | 1.412 [35.86] | 2.10 [53.3] | 2.30 [58.4] |
| 34 | 3463 | 2.16 [54.9] | 2.05 [52.1] | 1.812 [46.02] | 2.50 [63.5] | 2.70 [68.6] |
| 40 | 3464 | 2.46 [62.5] | 2.35 [59.7] | 2.112 [53.64] | 2.80 [71.1] | 3.00 [76.2] |
| 50 | 3415 | 2.96 [75.2] | 2.85 [72.4] | 2.612 [66.34] | 3.30 [83.8] | 3.50 [88.9] |
| 60 | 3666 | 3.46 [87.9] | 3.35 [85.1] | 3.112 [79.04] | 3.80 [96.5] | 4.00 [101.6] |
| 64 | 3403 | 3.66 [93.0] | 3.55 [90.2] | 3.312 [84.12] | 4.00 [101.6] | 4.20 [106.7] |



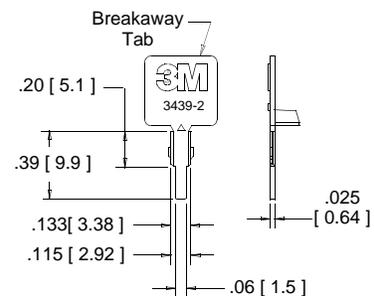
Inch
[mm]

| Tolerance Unless Noted | | | |
|------------------------|-----|------|-------|
| | .0 | .00 | .000 |
| inch | ±.1 | ±.01 | ±.005 |

[] Dimensions for Reference Only



Optional Keying Plug
3M Part Number **3439-2**
(Order Separately)
Material-Glass Filled Polyester



Note: 1. Optional Keying Plug to be ordered separately.

Ordering Information

XXXX-0002

3M Part Number:
See Table

Assembly tools: 3M™ 3640 press (or equivalent), 3M™ 3443-63 locator plate, 3M™ 3442-30 platen.

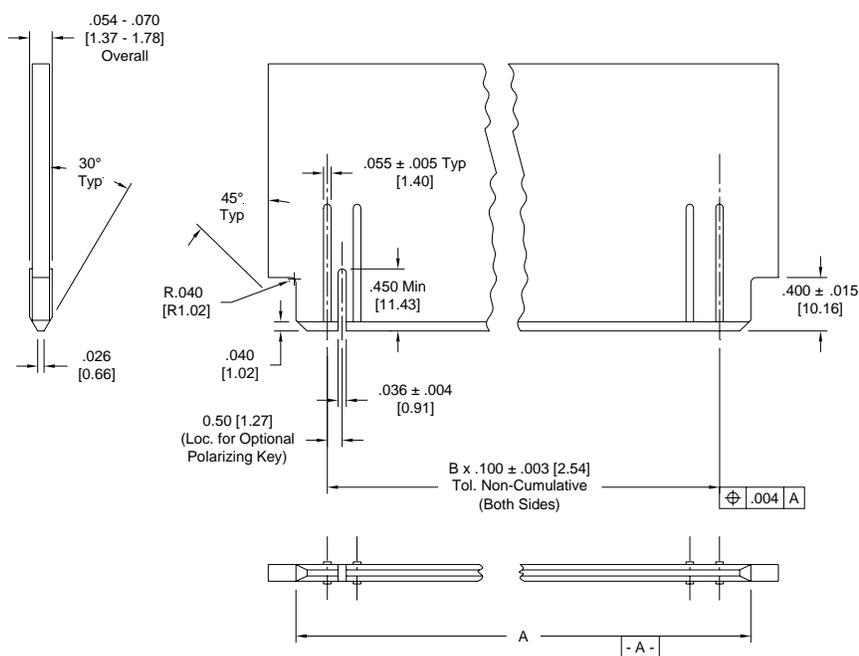
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Sheet 2 of 3

3M™ Pak 100 Card-Edge

.100" With Slotted Mounting Flanges

3000 Series

| Contact Quantity | 3M Part Number | Dimension A ± .005 | B (multiple ref.) |
|------------------|----------------|--------------------|-------------------|
| 10 | 3358 | 0.595 [15.11] | 4 |
| 16 | 3368 | 0.895 [22.73] | 7 |
| 20 | 3461 | 1.095 [27.81] | 9 |
| 26 | 3462 | 1.395 [35.43] | 12 |
| 34 | 3463 | 1.795 [45.59] | 16 |
| 40 | 3464 | 2.095 [53.21] | 19 |
| 50 | 3415 | 2.595 [65.91] | 24 |
| 60 | 3666 | 3.095 [78.61] | 29 |
| 64 | 3403 | 3.295 [83.69] | 31 |



Recommended PCB Layout

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Sheet 3 of 3

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