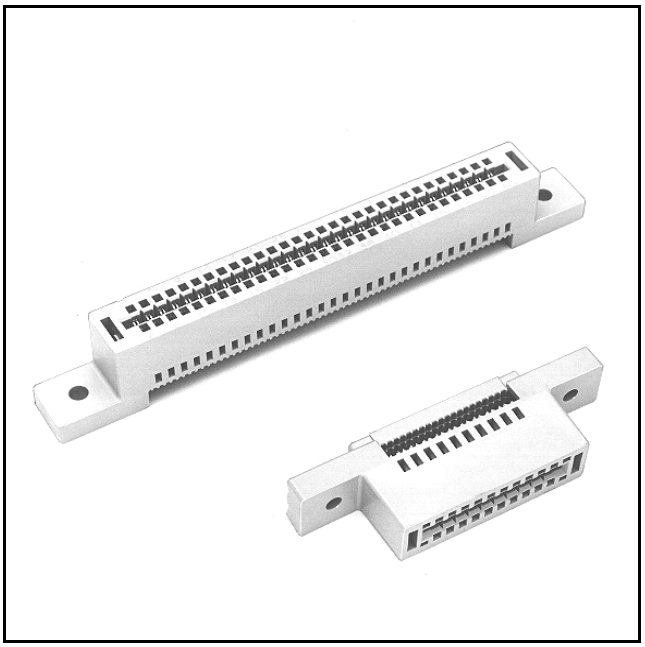
# 3M™ Card-Edge

.100″ With Drilled Mounting Flanges 3000 Series



- Standard drilled mounting flanges
- Reinforced card-edge resists mouth bowing for consistent contact performance
- 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: February 20, 2007



## 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 μm ] Nickel |
| Wiping Area: | 30 μ″ [ 0.76 μm ] Gold |
| Wire Accommodation: | 26 and 28 AWG Solid and Stranded |
| **Marking:** | 3M Logo, Part Identification Number and 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



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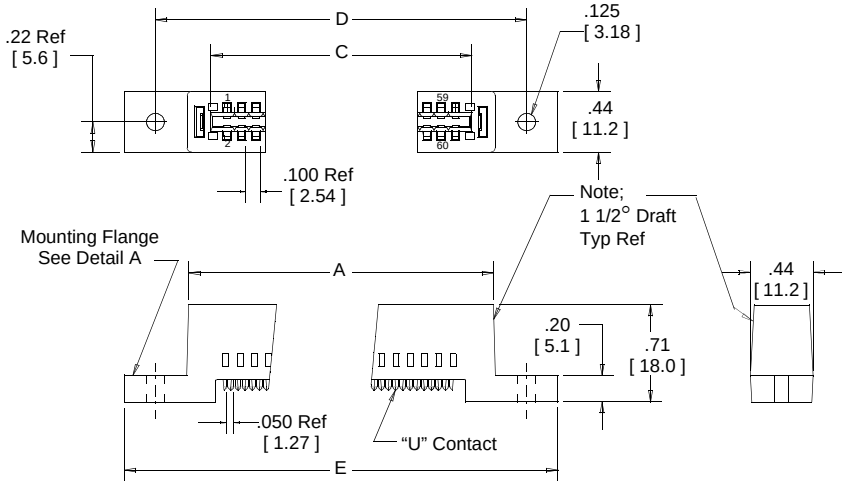
| Contact Quantity | 3M Part Number | Dimensions | | | | |
|---|---|---|---|---|---|---|
| | | A | B | C | D | E |
| 10 | **3358** | 0.96 [ 24.4 ] | 0.85 [ 21.6 ] | 0.612 [ 15.54 ] | 1.40 [ 35.6 ] | 1.90 [ 48.3 ] |
| 16 | **3368** | 1.26 [ 32.0 ] | 1.15 [ 29.2 ] | 0.912 [ 23.16 ] | 1.70 [ 43.2 ] | 2.20 [ 55.9 ] |
| 20 | **3461** | 1.46 [ 37.1 ] | 1.35 [ 34.3 ] | 1.112 [ 28.24 ] | 1.90 [ 48.3 ] | 2.40 [ 61.0 ] |
| 26 | **3462** | 1.76 [ 44.7 ] | 1.65 [ 41.9 ] | 1.412 [ 35.86 ] | 2.20 [ 55.9 ] | 2.70 [ 68.6 ] |
| 34 | **3463** | 2.16 [ 54.9 ] | 2.05 [ 52.1 ] | 1.812 [ 46.02 ] | 2.60 [ 66.0 ] | 3.10 [ 78.7 ] |
| 40 | **3464** | 2.46 [ 62.5 ] | 2.35 [ 59.7 ] | 2.112 [ 53.64 ] | 2.90 [ 73.7 ] | 3.40 [ 86.4 ] |
| 50 | **3415** | 2.96 [ 75.2 ] | 2.85 [ 72.4 ] | 2.612 [ 66.34 ] | 3.40 [ 86.4 ] | 3.90 [ 99.1 ] |
| 60 | **3666** | 3.46 [ 87.9 ] | 3.35 [ 85.1 ] | 3.112 [ 79.04 ] | 3.90 [ 99.1 ] | 4.40 [ 111.8 ] |
| 64 | **3403** | 3.66 [ 93.0 ] | 3.55 [ 90.2 ] | 3.312 [ 84.12 ] | 4.10 [ 104.1 ] | 4.60 [ 116.8 ] |

**Inch**
[mm]

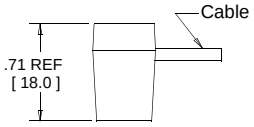
| Tolerance Unless Noted | | | |
|---|---|---|---|
| | .0 | .00 | .000 |
| inch | ±.1 | ±.01 | ±.005 |

[ ] Dimensions for Reference Only

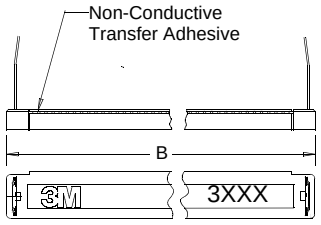
## Connector Body



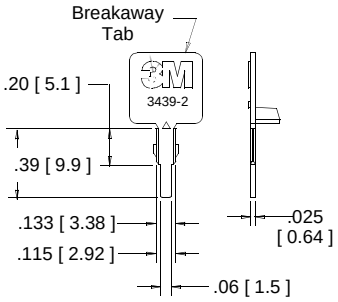

## Assembled Height




## Connector Cover




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-0000**

3M Part Number:
See Table

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




3M
**Interconnect Solutions**
http://www.3M.com/interconnects/

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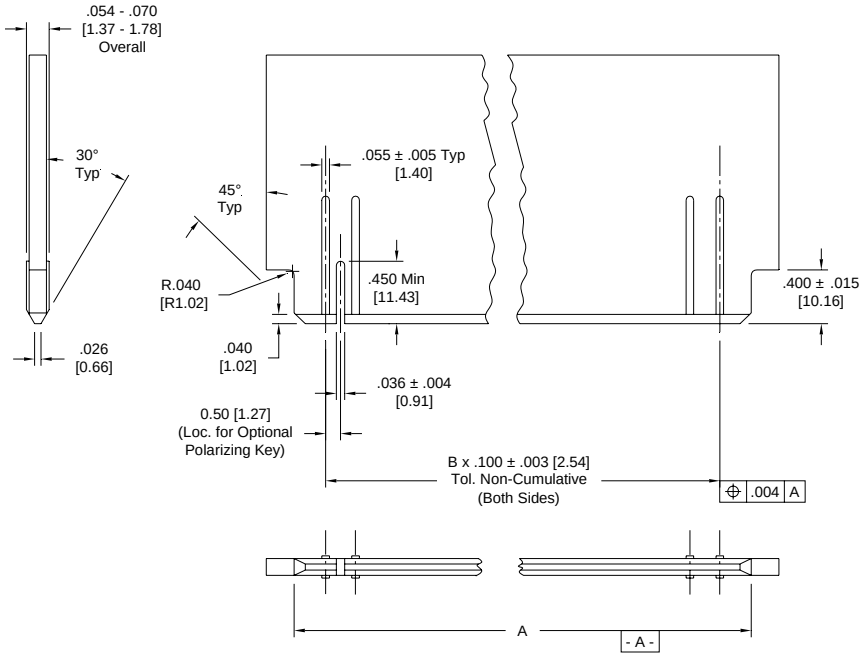
For technical, sales or ordering information call
**800-225-5373**

| 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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