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### ▼ Product Catalog for Electronic Specialty Markets

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- 3M™ Wire Connectors

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## [Printer-friendly format](#) **3M™ .100 in. Wiremount Connectors, Card-Edge w/o Mounting Flange, 3415-0001**



[\[click to enlarge\]](#)

GTIN(UPC/EAN) : 0 00 54007 34332 5  
3M Id : 80-6101-3265-8

.100", 50 contacts, Card-Edge without Mounting Flange. Available options are 3448-58 Strain Relief and 3439-2 Keying Plug, ordered separately.

### Additional Information

#### Learn More . . .

[Packaging Data](#)

[3M™ .100 in. Card-Edge Connector w/o Mounting Flng., ts0010 - Data Sheet \(PDF 192.6 K\)](#)

#### Please Note:

Adobe® Acrobat® Reader is required to view PDF documents.



### Characteristics

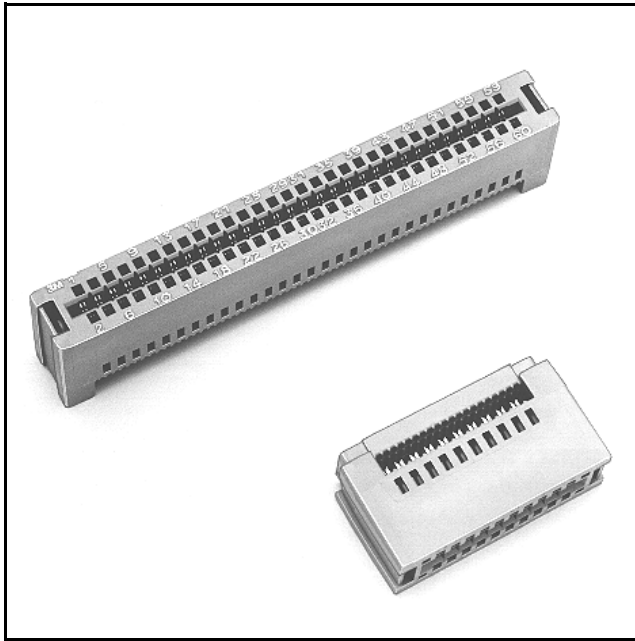
<b>China RoHS - Below MCV</b>	Yes
<b>Conductor Accommodation</b>	26 & 28 AWG Solid or Stranded
<b>Contact Material</b>	Copper Alloy
<b>Contact Termination Area Plating</b>	None
<b>Contact Underplating</b>	100 μ" [2.54 μm] Nickel
<b>Contact Wiping Area Plating</b>	30 μ" [0.76 μm] Gold
<b>Current Rating</b>	1 Ampere
<b>EPC Can View</b>	Public
<b>EU RoHS Compliant</b>	Yes
<b>Insulation Color</b>	Gray
<b>Insulation Flammability Rating</b>	UL 94V-0
<b>Insulation Material</b>	Glass Filled Polyester (PBT)
<b>Insulation Resistance</b>	>1 X 10 <sup>9</sup> Ohms @ 500 Vdc

<b>Interface Grid</b>	.100"
<b>Interface Style</b>	Card-Edge
<b>Markings</b>	3M Logo, Part Identification Number
<b>Mounting Option</b>	None
<b>Non-Operating Temperature</b>	-55 to 105 Degree Celsius
<b>Number of Contact Rows</b>	2
<b>Number of Contacts</b>	50
<b>Pitch</b>	0.100 Inch
<b>Polarization</b>	None
<b>Primary Trademark Name</b>	3M
<b>Separable</b>	Yes
<b>Termination Method</b>	Insulation Displacement
<b>Termination Style</b>	Multiple Wires
<b>Underplating and U-Slot</b>	100 microinches [2.54 micrometers] Nickel-QQ-N-290, Class 2
<b>Withstanding Voltage</b>	1000 Vrms at Sea Level

# 3M™ Card-Edge

.100" Without Mounting Flange

3000 Series



- 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
- Optional strain relief
- RoHS\* compliant

Date Modified: February 20, 2007

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## 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  $\mu$ " [ 2.54  $\mu$ m ] Nickel

Wiping Area: 30  $\mu$ " [ 0.76  $\mu$ 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<sub>DC</sub>

Withstanding Voltage: 1000 V<sub>RMS</sub> 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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Interconnect Solutions  
<http://www.3M.com/interconnects/>

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**800-225-5373**

# 3M™ Card-Edge .100" Without Mounting Flange

3000 Series

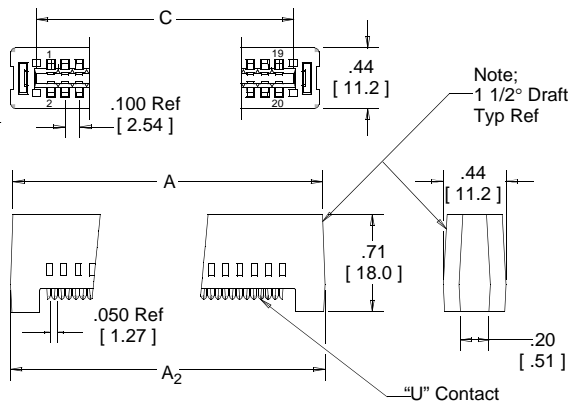


Contact Quantity	3M Part Number	Strain Relief Part Number	Dimensions				
			A	A <sub>2</sub>	B	C	D
10	3358	3448-52	0.96 [24.4]	0.97 [24.6]	0.85 [21.6]	0.612 [15.54]	0.95 [24.1]
16	3368	3448-53	1.26 [32.0]	1.27 [32.3]	1.15 [29.2]	0.912 [23.16]	1.25 [31.8]
20	3461	3448-54	1.46 [37.1]	1.47 [37.3]	1.35 [34.3]	1.112 [28.24]	1.45 [36.8]
26	3462	3448-55	1.76 [44.7]	1.77 [45.0]	1.65 [41.9]	1.412 [35.86]	1.75 [44.5]
34	3463	3448-56	2.16 [54.9]	2.17 [55.1]	2.05 [52.1]	1.812 [46.02]	2.15 [54.6]
40	3464	3448-57	2.46 [62.5]	2.47 [62.7]	2.35 [59.7]	2.112 [53.64]	2.45 [62.2]
50	3415	3448-58	2.96 [75.2]	2.97 [75.4]	2.85 [72.4]	2.612 [66.34]	2.95 [74.9]
60	3666	3448-31	3.46 [87.9]	3.47 [88.1]	3.35 [85.1]	3.112 [79.04]	3.45 [87.6]
64	3403	3448-59	3.66 [93.0]	3.67 [93.2]	3.55 [90.2]	3.312 [84.12]	3.65 [92.7]

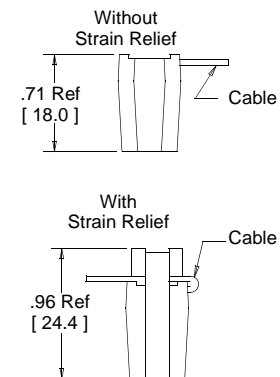
Inch [mm]			
Tolerance Unless Noted			
	.0	.00	.000
inch	±.1	±.01	±.005

[ ] Dimensions for Reference Only

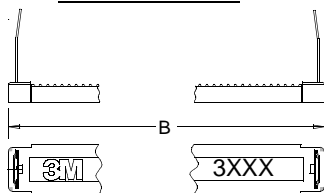
### Connector Body



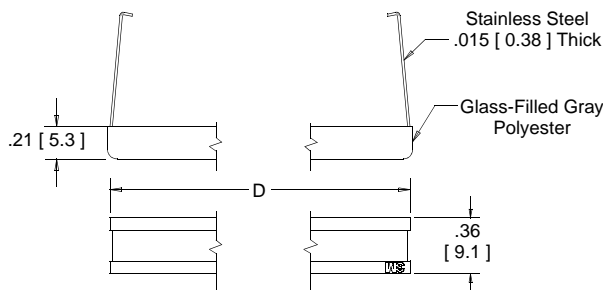
### Assembled Height



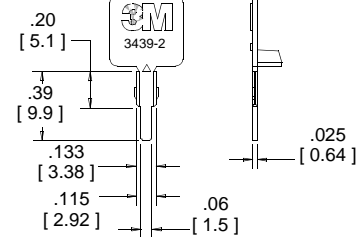
### Connector Cover



### Optional Strain Relief (Order Separately)



### Breakaway Tab



### Optional Keying Plug Material-Glass Filled Polyester

## Ordering Information

**XXXX-0001**

3M Part Number:  
See Table

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

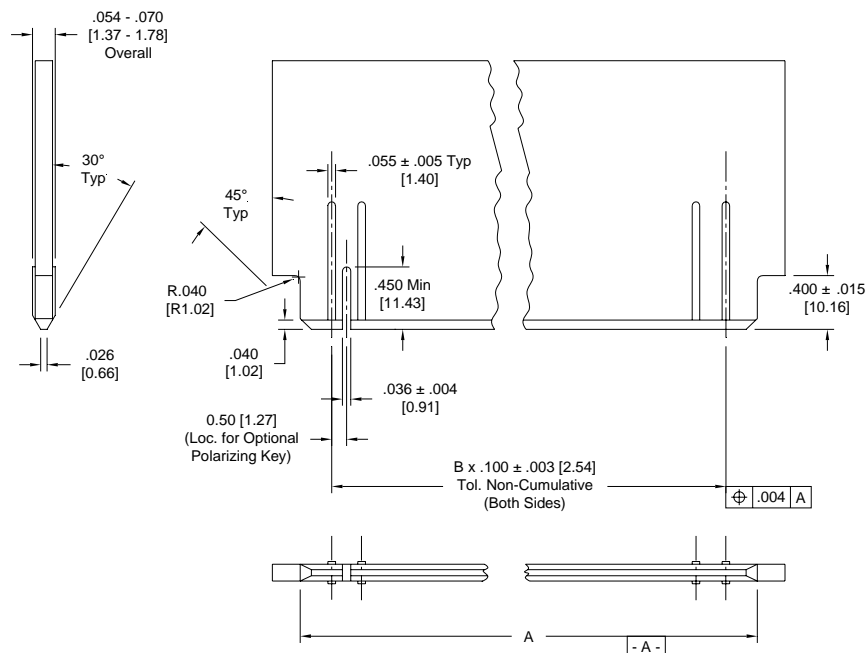
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# 3M™ Card-Edge

.100" Without Mounting Flange

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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