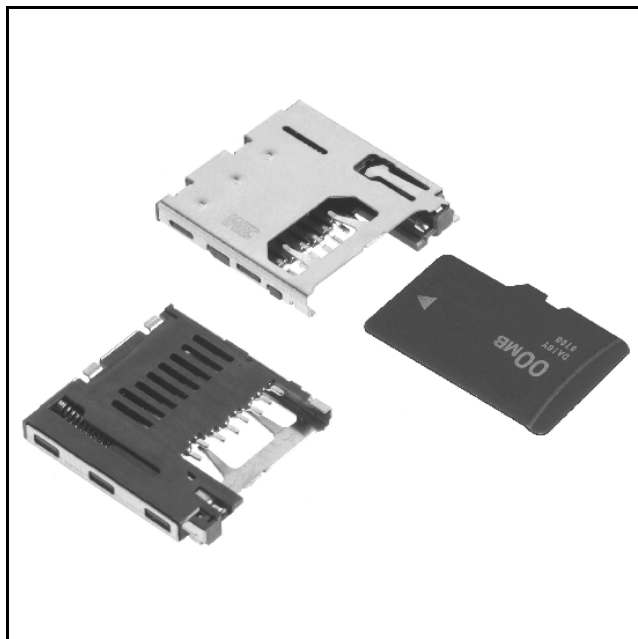


# 3M™ Card Connector microSD™

Normal Polarization, Push-Push, Surfacemount

2900 Series



- 1.85 mm low profile height
- Small size of 14.0 mm × 14.2 mm footprint
- Smooth push-push eject mechanism
- Card is retained when mated
- Card polarization
- Will accept a card thickness of 0.8 mm
- Mechanism prevents card from flying out upon ejection
- Card detection indicator
- Metal-shielded cover
- microSD™ specification compliant
- RoHS\* compliant

Date Modified: October 31, 2006

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Sheet 1 of 3

## Physical

**Insulation Material:** High Temperature Thermoplastic

Flammability: UL 94V-0

Color: Black

**Contact Material:** Copper Alloy

### Plating

Underplating: 50 μ" [ 1.27 μm ] min. Nickel

Wiping Area: 15 μ" [ 0.38 μm ] min. Gold

Termination Area: 3 μ" [ 0.076 μm ] max. Gold flash

**Cover Material:** Stainless Steel

Underplating: 40 μ" [ 1.02 μm ] min. Nickel

Solder Area: Gold flash

**Lock Pin and Link Pin Material:** Stainless Steel

**Spring Material:** Copper Alloy

Plating: 30 μ" [ 0.762 μm ] min. Nickel

**Marking:** 3M Logo

## Electrical

**Current Rating:** 0.5 A

**Insulation Resistance:** 100 MΩ min.

**Withstanding Voltage:** 500 VAC for one minute

## Environmental

**Operating Temperature:** -25°C to +85°C

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

**Process Rating:** Maximum 250°C, with 40 seconds over 230°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.

microSD is a trademark of SD Association in Japan.



Interconnect Solutions

<http://www.3M.com/interconnects/>

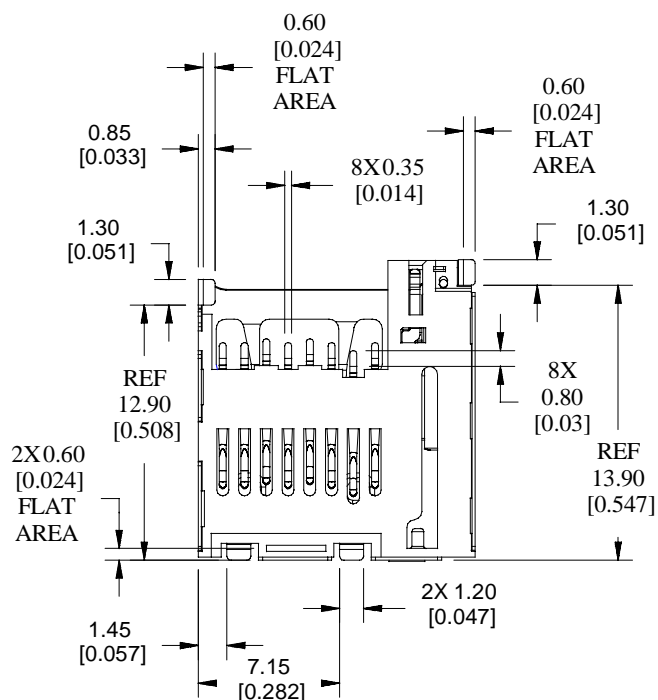
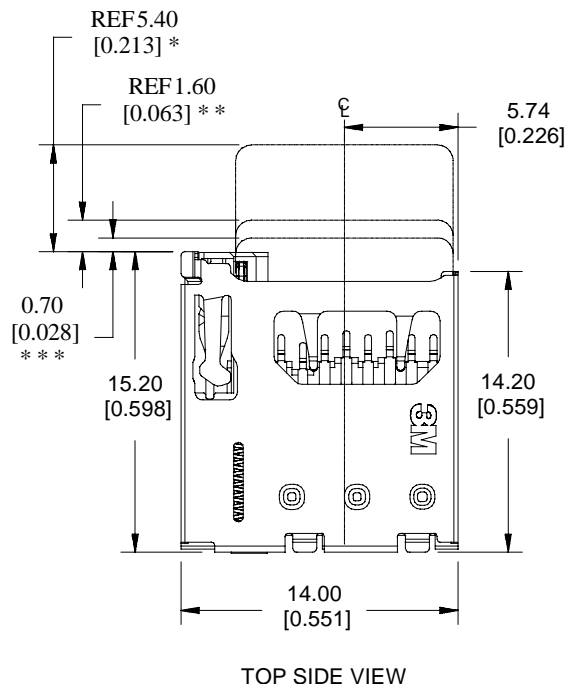
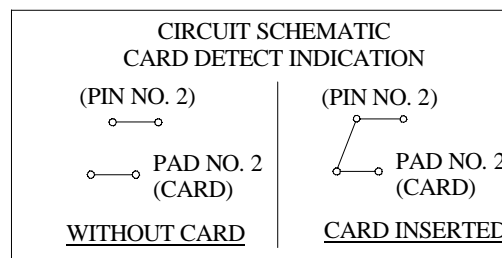
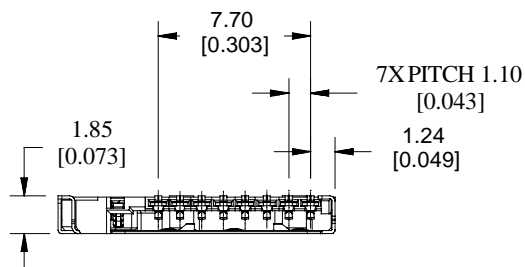
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For technical, sales or ordering information call

800-225-5373

# 3M™ Card Connector microSD™

Normal Polarization, Push-Push, Surfacemount

2900 Series



Notes:  
 \* Card fully ejected position  
 \*\* Card in locked position  
 \*\*\* Card fully pushed in

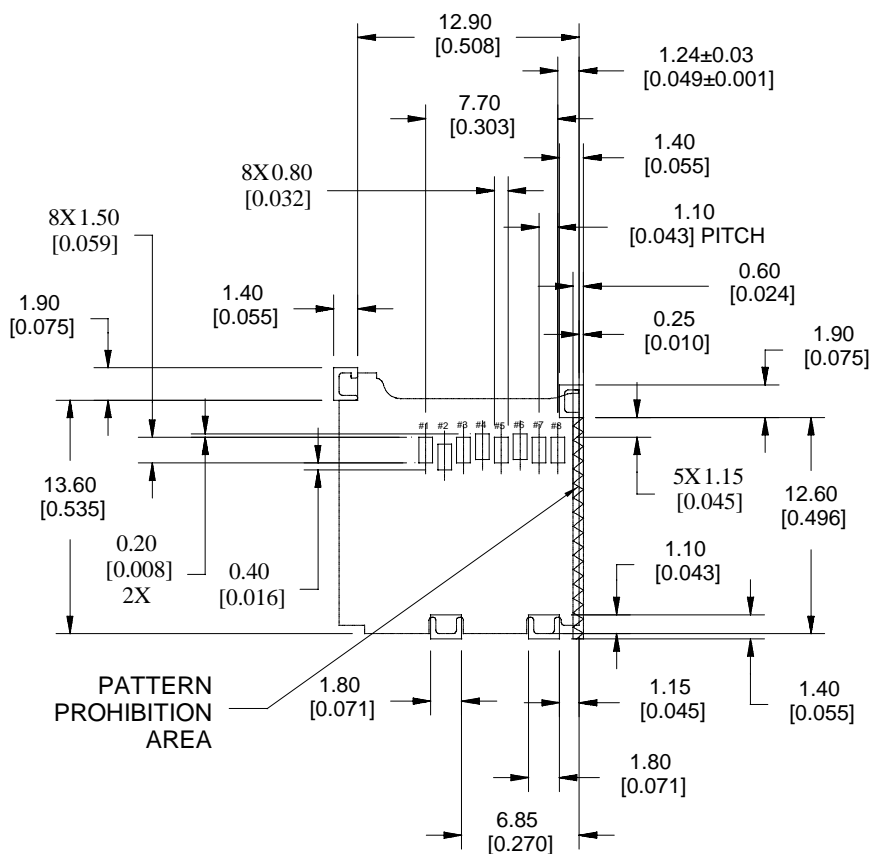
mm [Inch]			
Tolerance Unless Noted			
	.0	.00	.000
mm	±.25	±.15	±.05

[ ] Dimensions for Reference Only

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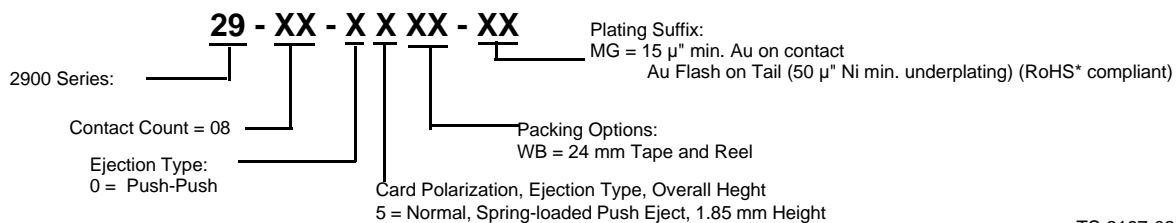
## Normal Polarization, Push-Push, Surfacemount

## 2900 Series



RECOMMENDED  
PCB PATTERN LAYOUT  $\pm 0.05$  [0.002]

## Ordering Information



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Sheet 3 of 3

## Important Notice

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### 3M Electronics

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Minimum 10%  
Post-Consumer Fiber

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