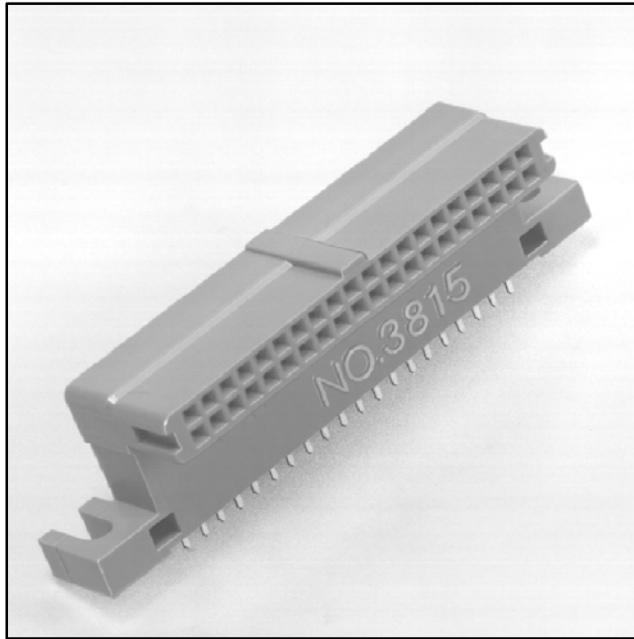


# 3M™ Polarized Boardmount Socket

.100" × .100" Right Angle, Mounting Flanges

38XX Series



- High profile
- Stacking capability
- Centerbump polarization
- Part number on each piece
- Mounting flanges
- Optional keying plug

Date Modified: October 3, 2005

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Sheet 1 of 2

## Physical

### Insulation

Material: Glass Filled Polyester (PBT)  
Flammability: UL 94V-0  
Color: Gray

### Contact

Material: Copper Alloy

### Plating

Underplating and U-Slot: 2.0  $\mu\text{m}$  [ 79  $\mu\text{in}$  ] Nickel — QQ-N-290, Class 2  
Wiping Area: 0.30  $\mu\text{m}$  [ 12  $\mu\text{in}$  ] Gold — MIL-G-45204, Type II, Grade C  
Solder Tails: 5.08  $\mu\text{m}$  [ 200  $\mu\text{in}$  ] Tin Lead — MIL-P-81728

**Marking:** 3M Logo, Part Identification Number and Orientation Triangle

File Replace by consolidated ts file:

## Electrical

**Current Rating:** 1 A

**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at 500 Vdc

**Withstanding Voltage:** 1000 Vrms at Sea Level

## Environmental

**Temperature Rating:** -55°C to 105°C

UL File No.: E68080

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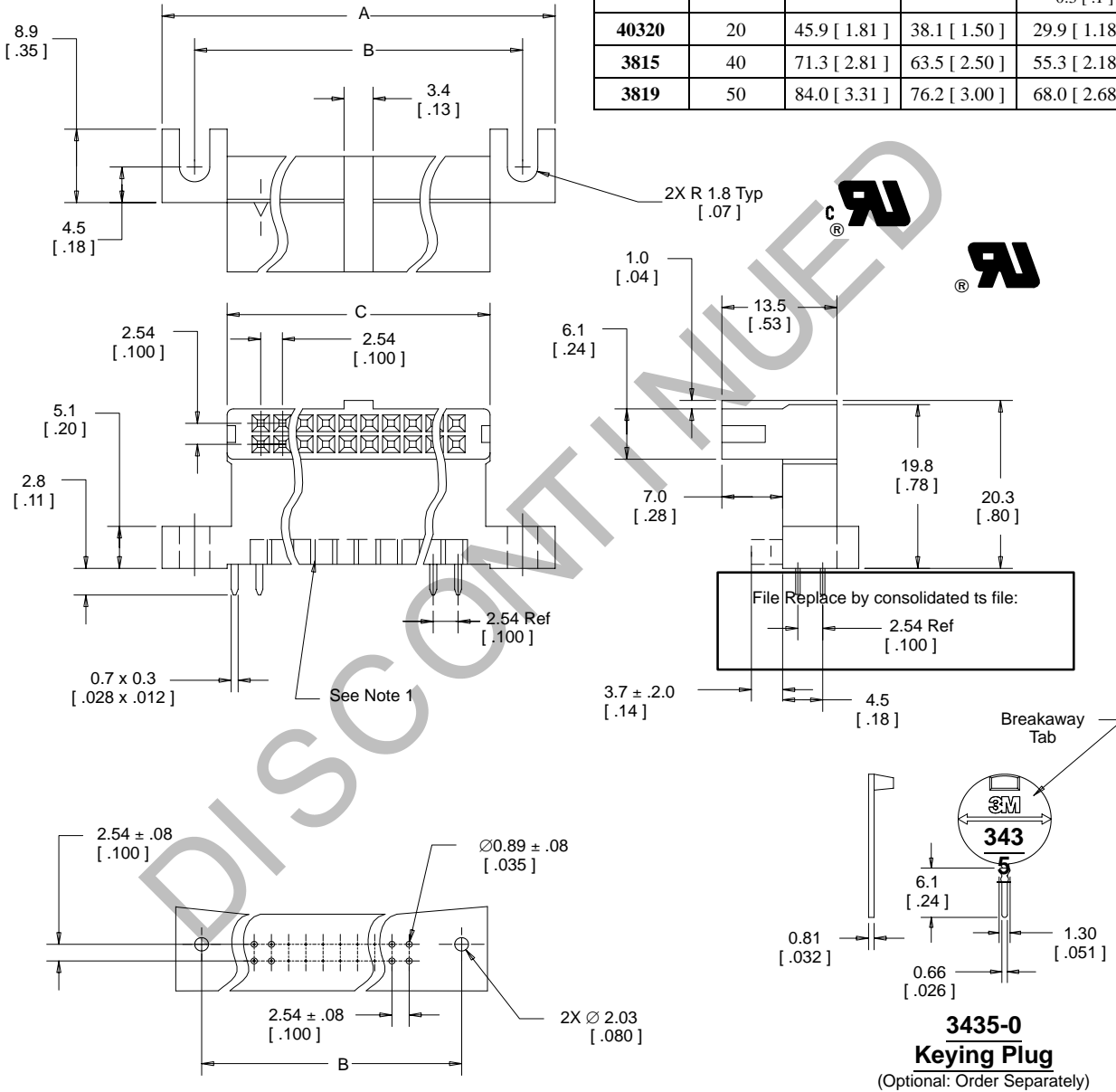
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# 3M™ Polarized Boardmount Socket

## .100" × .100" Right Angle, Mounting Flanges

38XX Series

3M Part Number	Dimension			
	Contact Quantity	A	B	C +0.0 [ 0 ] -0.3 [ .1 ]
40320	20	45.9 [ 1.81 ]	38.1 [ 1.50 ]	29.9 [ 1.18 ]
3815	40	71.3 [ 2.81 ]	63.5 [ 2.50 ]	55.3 [ 2.18 ]
3819	50	84.0 [ 3.31 ]	76.2 [ 3.00 ]	68.0 [ 2.68 ]



**Recommended Mounting Hole Pattern**  
(Shown for mounting side of board)

**Notes:**

- 3819 Series includes added plastic feature in this area.
- Recommended to be mated to the .100" X .100" low profile header, ejector latch header and 4600 series plug connector. Note the long ejector latches do not latch, but can be used to unmate the connectors.
- Dual bump polarization available as a special only on the 3819 Series.

	mm [Inch]		
	Tolerance Unless Noted		
	.0	.00	.000
mm	± .3	± .15	///

[ ] Dimensions for Reference only

### Ordering Information

**XXXXX-X7A2JL**

Socket Series:  B = Standard  
See Table for 3M Part Number L = Lower Insertion Force

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Sheet 2 of 2

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*Minimum 10%  
Post-Consumer Fiber*

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