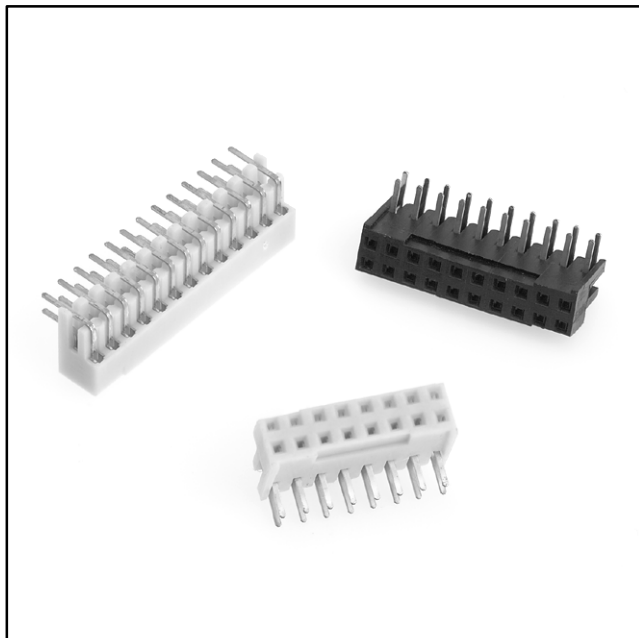


# 3M™ Pak 20 Boardmount Socket

2 mm × 2 mm Right Angle, Solder Tails

1502 Series



- High temperature dielectric
- IR, vapor and wave solder compatible
- Minimizes PC board space
- Mates with 2.5" hard drives for direct connect applications
- Mates with pin headers for board stacking applications
- End stackable feature

Date Modified: May 19, 2004

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Sheet 1 of 2

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## Physical

### Insulation

Material: Glass Filled PCT  
Flammability: UL 94V-0  
Color: Black

### Contact

Material: Copper Alloy

### Plating

Underplate: 50-150  $\mu$ " [ 1.27-3.81 $\mu$ m] Nickel — QQ-N-290, Class 2  
Wiping Area: Gold — MIL-G-45204, Type II, Grade C  
Solder Tails: 100-300  $\mu$ " [ 2.54-7.62  $\mu$ m] 90/10 Tin Lead — MIL-P-81728

**Marking:** Orientation delta and 3M logo

**Note:** The location and thickness of the contact plating is determined by the part number. Refer to ordering information.

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## Electrical

**Current Rating:** 1.5 A

**Insulation Resistance:**  $> 5 \times 10^9 \Omega$  at 250 Vdc

**Withstanding Voltage:** 500 Vdc at Sea Level

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## Environmental

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

UL File No.: E68080

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

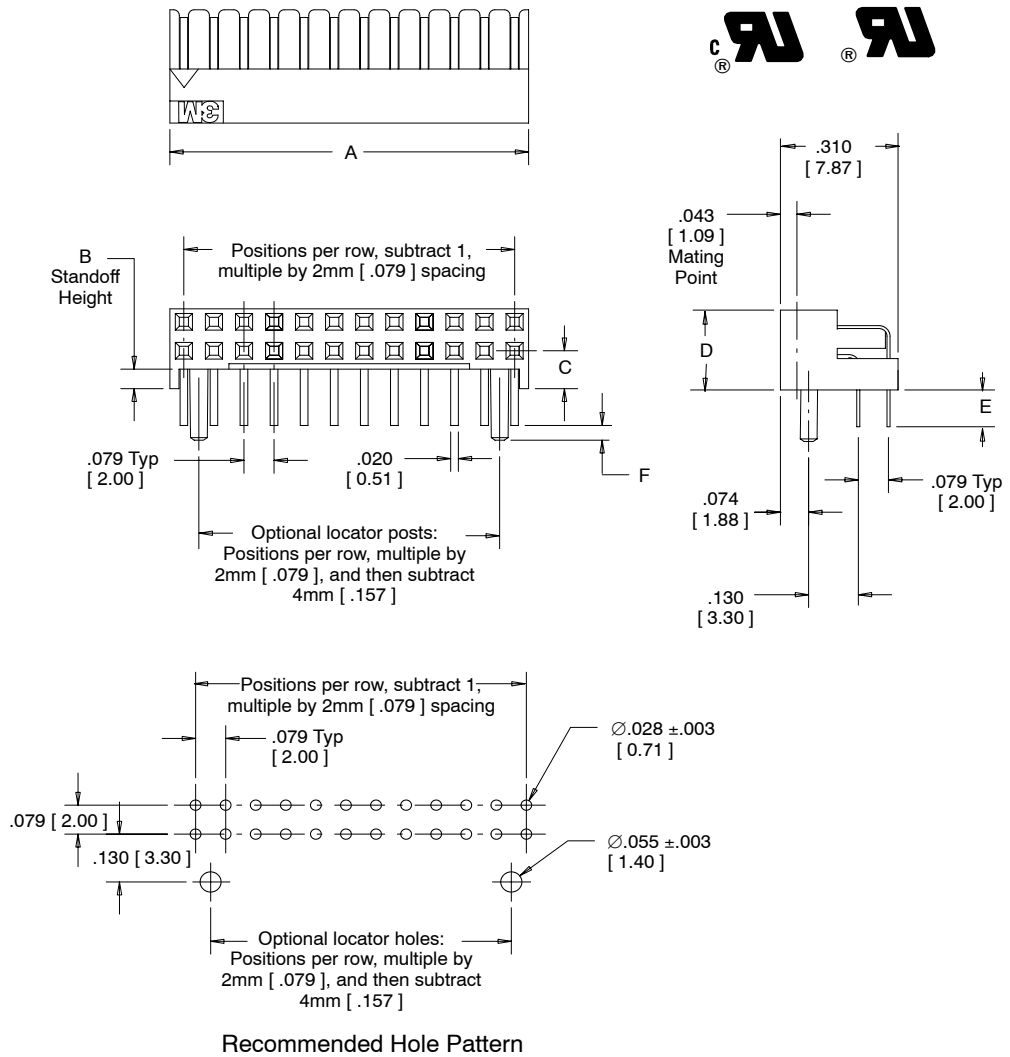
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**800-225-5373**

# 3M™ Pak 20 Boardmount Socket

## 2 mm × 2 mm Right Angle, Solder Tails

1502 Series

| Contact Quantity | Dimension A     |
|------------------|-----------------|
| 8                | 0.315 [ 8.00 ]  |
| 10               | 0.389 [ 10.00 ] |
| 12               | 0.467 [ 12.00 ] |
| 14               | 0.546 [ 14.00 ] |
| 16               | 0.625 [ 16.00 ] |
| 18               | 0.704 [ 18.00 ] |
| 20               | 0.782 [ 20.00 ] |
| 22               | 0.861 [ 22.00 ] |
| 24               | 0.940 [ 24.00 ] |
| 26               | 1.019 [ 26.00 ] |
| 28               | 1.097 [ 28.00 ] |
| 30               | 1.176 [ 30.00 ] |
| 32               | 1.255 [ 32.00 ] |
| 34               | 1.334 [ 34.00 ] |
| 36               | 1.412 [ 36.00 ] |
| 38               | 1.491 [ 38.00 ] |
| 40               | 1.570 [ 40.00 ] |
| 42               | 1.649 [ 42.00 ] |
| 44               | 1.727 [ 44.00 ] |
| 46               | 1.806 [ 46.00 ] |
| 48               | 1.885 [ 48.00 ] |
| 50               | 1.964 [ 50.00 ] |
| 52               | 2.042 [ 52.00 ] |
| 54               | 2.121 [ 54.00 ] |
| 56               | 2.200 [ 56.00 ] |
| 58               | 2.278 [ 58.00 ] |
| 60               | 2.357 [ 60.00 ] |



| Standoff Height Code | Dimensions  |             |             |             |             |
|----------------------|-------------|-------------|-------------|-------------|-------------|
|                      | B           | C           | D           | E           | F           |
| 0                    | .015 [0.38] | .065 [1.65] | .179 [4.55] | .100 [2.54] | .040 [1.02] |
| 1                    | .053 [1.35] | .103 [2.62] | .217 [5.51] | .100 [2.54] | .040 [1.02] |
| 2                    | .028 [0.71] | .078 [1.98] | .192 [4.88] | .125 [3.18] | .035 [0.89] |

|      | .0  | .00  | .000  |
|------|-----|------|-------|
| Inch | ±.1 | ±.01 | ±.005 |

[ ] Dimensions for Reference only

### Ordering Information

**X1502XX-5XX2XX**

Packaging  
V = Bulk  
Blank = Standard

Number of Positions  
(See Table 1)  
(Even No.: 10-60)

Board Location Post  
0 = None  
2 = With Board Location Post

Plating  
TB = 30 μ" [ 0.76 μm ] Gold  
TH = 15 μ" [ 0.38 μm ] Gold

Standoff Height Code  
(See Table 2, Dim B)  
0 = .015" (Standard)  
1 = .053"  
2 = .028" (Position 40, 44, and 50 only)

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Sheet 2 of 2

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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