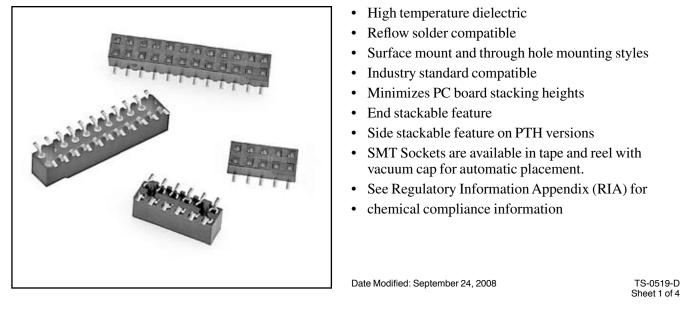
## 3M<sup>™</sup> Boardmount Socket

2 mm x 2 mm Str. Surface Mount, Str. and R. A. Plated Through-Hole



### Physical

#### Insulator:

Material:	Glass Filled PCT
Flammability:	UL 94V-0
Color:	Black
<b>Contact:</b>	
Material:	Copper Alloy
Plating:	
Underplating:	50-150 μ" [ 1.27-3.81 μm ] Nickel overall
Wiping Area:	30 µ" [0.76 µm] Gold
Solder Tails:	$200\mu^{\prime\prime}$ [ $5.1\mu m$ ] Matte Tin or Tin Lead (refer to ordering information)
Marking:	Orientation delta and 3M Logo

### Electrical

Current Rating:1 AInsulation Resistance: $> 1 \times 10^9 \Omega$  at  $250 \text{ V}_{DC}$ Withstanding Voltage: $500 \text{ V}_{DC}$  at Sea Level

#### Environmental

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

**Process Rating:** Maximum 260°C, (per J-STD-020C) **Moisture Sensitivity Level:** 1 (per J-STD-020C)

UL File No.: E68080

### $3M^{\text{TM}}$ Boardmount Socket 2 mm x 2 mm Str. Surface Mount, Str. and R. A. Plated Through-Hole

1502 Series

Table 1				
Contact Quantity	Dimension A	Tape Width	Order Code	c / L /
4	0.156 [3.96]	n/a	n/a	
6	0.231 [5.87]	n/a	n/a	A (See Table 1)
8	0.310 [7.87]	24 mm	WB	
10	0.389 [9.88]	24 mm	WB	<u> </u>
12	0.467 [11.86]	24 mm		p回回回
14	0.546 [13.87]	24 mm	WB	
16	0.625 [15.88]	24 mm	WB	
18	0.704 [17.88]	32 mm	WC	<u> </u>
20	0.782 [19.86]	32 mm	WC	Positions per row, subtract 1,
22	0.861 [21.87]	44 mm	WD	multiple by 2 mm [ .079 ] spacing
24	0.940 [23.88]	44 mm	WD	.151 [ 3.84 ]
26	1.019 [25.88]	44 mm	WD	
28	1.097 [27.86]	44 mm	WD	
30	1.176 [29.87]	44 mm	WD	
32	1.255 [31.88]	56 mm	WE	
34	1.334 [33.88]	56 mm	WE	079 [ 2.00 ] Typ
36	1.412 [35.86]	56 mm	WE	
38	1.491 [37.87]	56 mm	WE	**Optional locator posts: Positions per row, multiple by 2mm
40	1.570 [39.88]	56 mm	WE	[ .079 ], and then subtract
42	1.649 [41.88]	56 mm	WE	4 mm [ .157 ]
44	1.727 [43.87]	72 mm	WF	
46	1.806 [45.87]	72 mm	WF	
48	1.885 [47.88]	72 mm	WF	
50	1.964 [49.89]	72 mm	WF	
52	2.042 [5 1.87]	72 mm	WF	
54	2.121 [53.87]	72 mm	WF	
56	2.200 [55.88]	72 mm	WF	.079 [ 2.00 ] Typ
58	2.278 [57.86]	88 mm	WG	
60	2.357 [59.87]	88 mm	WG	
handlin		e supplied w h n]	ithout vacuum ca	→ **Optional locator holes: Positions per row, multiple by 2mm [ .079 ], and then subtract 4 mm [ .157 ] → Positions per row, subtract 1, →→
	[] Dimens		J	multiple by 2mm [ .079 ] spacing
	Referenc	e only		Recommended MountingHole Pattern
*Optional Lo	cator Posts availa	ble for positio	ons eight and grea	ter.
			502 <u>XX</u> -2	20X0-XX-XX Packaging style:
(see tab	le 1)			Blank = tray packaging WX = tape & reel pkg (see table 1)
(Even N	o.: 4 - 60)	0 = None	cation Post	Plating suffix: RB = 30 μ" [.76 μm] Gold with Matte Tin solder tails (RIA E1 & C1 apply) IST I I I I I I I I I I I I I I I I I I

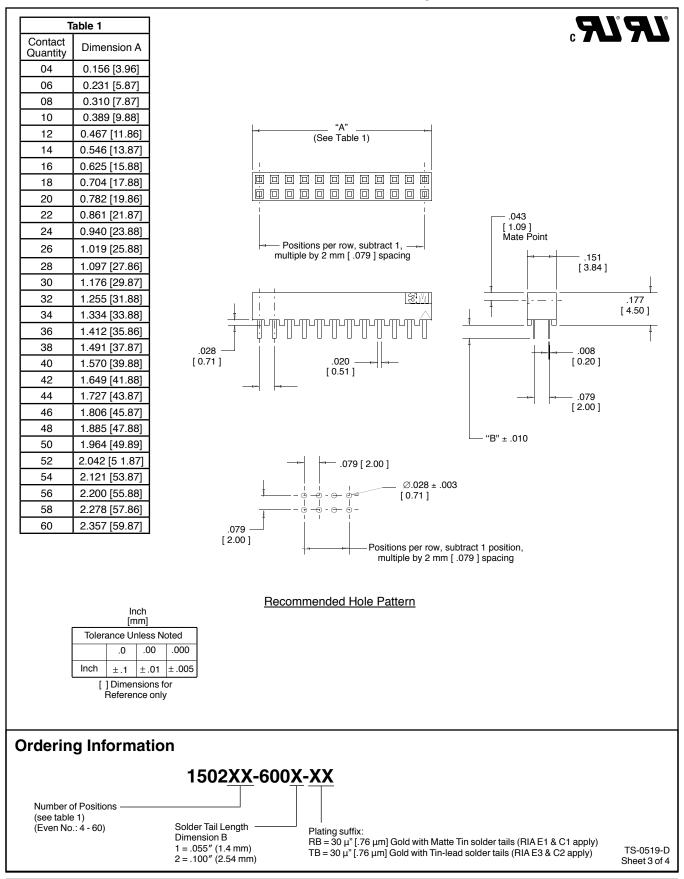
#### ЗМ

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

#### 3M is a trademark of 3M Company. For technical, sales or ordering information call 800-225-5373

### 3M<sup>TM</sup> Boardmount Socket 2 mm x 2 mm Str. Surface Mount, Str. and R. A. Plated Through-Hole

1502 Series



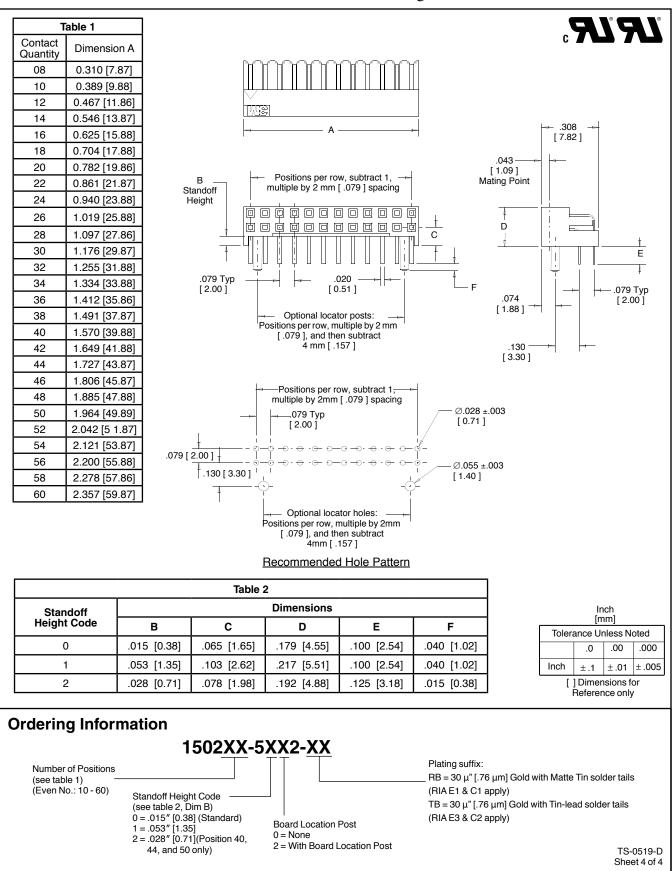
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# 3M<sup>™</sup> Boardmount Socket

2 mm x 2 mm Str. Surface Mount, Str. and R. A. Plated Through-Hole

1502 Series



#### ЗМ

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## **Regulatory Information Appendix**

**3M Electronic Solutions Division/Interconnect** 

### EUROPE

### Appendix E1: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

#### This product is RoHS Compliant 2005/95/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

### Appendix E2: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

## This product contains lead in the compliant pin area in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/747/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

### Appendix E3: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment as amended by Commission Decision 2005/618/EC.

#### This product contains lead in the solder tail area in excess of the maximum concentration value allowed.

Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

### Appendix E4: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC, as amended by EU Commission Decision 2005/717/EC, as amended by EU Court of Justice Decision 2008/C 116/04

This product contains decaBDE in the insulating material in excess of the maximum concentration allowed for finished products subject to EU RoHS that are placed on the EU market after June 30, 2008.

Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.product Warranty stated below.

### Appendix E5: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

## This product contains lead in excess of the maximum concentration value allowed but is compliant by exemption under Item 6 of the Annex to the Directive.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

### CHINA Appendix C1: China RoHS

Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, 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: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers (excluding decaBDE); or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

### Appendix C2: China RoHS 🍕



Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does** contain a substance, as detailed in the chart below, in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers (excluding decaBDE); or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

The numerical reference in the symbol above should not be construed as a representation regarding the product's life or an extension of a product warranty. The product warranty is stated below. In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the product Warranty stated below.

#### 产品中有毒有害物质或元素的名称及含量 Name and Content of Hazardous Substances or Elements

部件名称	有毒有害物质或元素(Hazardous Substances or Elements)						
(Part or Component Name)	铅(Pb)	汞 (Hg)	镉 (Cd)	六价铬(Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)	
端子镀层(contact plating)	×	0	0	0	0	0	

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006 标准规定的限量要求以下。(Indicates that this hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.)

×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006 标准规定的限量要求。(Indicates that this hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363-2006.)

## Appendix C3: China RoHS

Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does** contain a substance, as detailed in the chart below, in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers (excluding decaBDE); or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

The numerical reference in the symbol above should not be construed as a representation regarding the product's life or an extension of a product warranty. The product warranty is stated below. In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the product Warranty stated below.

#### 产品中有毒有害物质或元素的名称及含量 Name and Content of Hazardous Substances or Elements

部件名称	有毒有害物质或元素(Hazardous Substances or Elements)					
(Part or Component Name)	铅(Pb)	汞 (Hg)	镉 (Cd)	六价铬(Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
合金(Metal alloy)	×	0	0	0	0	0

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006 标准规定的限量要求以下。(Indicates that this hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.) ×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006 标准规定的限量要求。(Indicates that this hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363-2006.)

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