3M[™] Mini D Ribbon (MDR) Cable Assembly

.050" High Speed Video Data Transmission System, 36 Position

Supports LVDS Channel Link[™] signaling

14X36-SZ6B-XXX-0HC

- 10 shielded pairs (100 ohm) +2 drains for high bandwidth applications
- 1 USB pair & 4 singles
- High density 36 position MDR with rugged ribbon type contact
- Metal junction shell with Quick Release Latches
- EMI over-molded junction shell with rugged thumbscrew retention
- See Regulatory Information Appendix (RIA) for chemical compliance information

Date Modified: October 9, 2007

TS-2102-B Sheet 1 of 4

Physical

Connector Contact Plating

| Wiping Area: | 30 μ" [0.76 μm] Min. Gold |
|----------------------------|---------------------------------------|
| Thumbscrew Shell Color: | Beige |
| Thumbscrew Shell Material: | Acrylonitrile Butadiene Styrene (ABS) |
| Metal shell plating: | Nickel |
| Metal shell material: | Aluminum, .050" [1.27 mm] Thick |
| Cable | |
| Color: | Beige |
| Jacket Material: | Polyvinyl Chloride (PVC) |
| Flammability: | AWM VW-1 |
| | |

Electrical

| Voltage Rating: | 30 V |
|-------------------------------------|---------------------------------------|
| Current Rating: | 1 A |
| Insulation Resistance: | $>1\times10^8\Omega$ at @100 V_{DC} |
| Withstanding Voltage: | 350 V_{RMS} for 1 minute |
| Individually Shielded Twisted Pairs | |
| Characteristic Impedance: | $100\pm10^{\Omega}$ |
| Conductor Size: | 28 AWG Stranded |
| Propogation Velocity: | 1.25 ns/ft [4.1 ns/m] |
| | |

Environmental

Temperature Rating: -20°C to +75°C

UL File No.: E86982

3M Interconnect Solutions http://www.3M.com/interconnects/ Channel Link is a trademark of National Semiconductor.

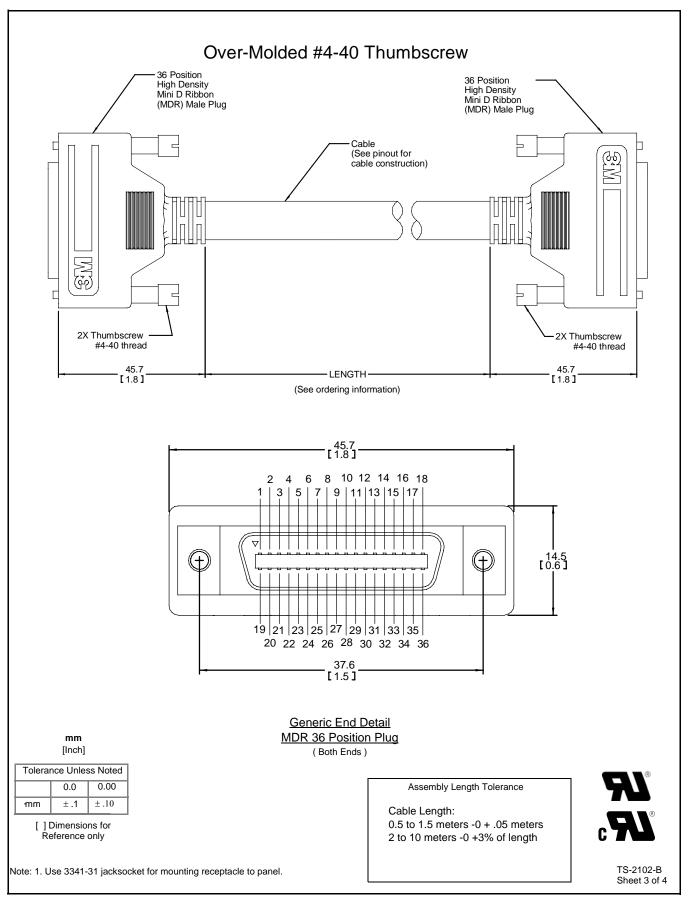
3M[™] Mini D Ribbon (MDR) Cable Assembly 14X36-SZ6B-XXX-0HC

.050" High Speed Video Data Transmission System, 36 Position

Metal Latching Shell 36 Position High Density 36 Position High Density Mini D Ribbon (MDR) Mini D Ribbon (MDR) Male Plug Male Plug 3 (⇔ Cable 10336 88 (Shielded Twisted Pairs) EM (╬ (?} 2X Squeeze 2X Squeeze Release Latches Release Latches 32.0 32.0 LENGTH [1.3] [1.3] 39.8 [1.6] ⊽<u>h</u> 19 ĥ 12.7 [0.5] MDR 36 Position Plug Both Ends mm [Inch] Assembly Length Tolerance Tolerance Unless Noted 0.0 0.00 Cable Length: Generic End Detail 0.5 to 1.5 meters -0 + .05 meters mm $\pm .1$ $\pm .10$ MDR 36 Position Plug 2 to 10 meters -0 +3% of length (Both Ends) [] Dimensions for Reference only **Ordering Information** 14X36-SZ6B-XXX-0HC (RIA E1 & C1 apply) Backshell Options:-Length: T = Over-molded 4-40 thumbscrew 100 = 1.0 meters 1 = Metal Latching Shell 200 = 2.0 meters TS-2102-B 500 = 5.0 meters Sheet 2 of 4

ЗМ Interconnect Solutions http://www.3M.com/interconnects/ 3M[™] Mini D Ribbon (MDR) Cable Assembly 14X36-SZ6B-XXX-0HC

.050" High Speed Video Data Transmission System, 36 Position



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

3M[™] Mini D Ribbon (MDR) Cable Assembly

.050" High Speed Video Data Transmission System, 36 Position

14X36-SZ6B-XXX-0HC

| 1 A0- 1 13 USB Pwr W6 1 A0+ 19 31 Shld Gnd Drain 2 A1- 2 14 A4- 6 2 A1+ 20 32 A4+ 6 3 A2- 3 15 A5- 7 3 A2+ 21 33 A5+ 7 4 CLK1- 4 16 A6- 8 4 CLK1+ 22 34 A6+ 8 5 A3+ 23 35 A7+ 9 5 A3+ 23 18 CLK2- 10 6 | | | Р | 1 | | | | | Р | 2 | | |
|--|-------|-------------------|----------------|------------------|-----------------|-------|-------|---------------|----------|----------|---------------|------|
| 1 A0+ 19 31 Shild Gnd Drain 2 A1- 3 A2- 3 3 A2+ 3 3 A5- 7 3 A2+ 21 33 A5+ 7 3 A2+ 21 34 A6+ 8 5 A3- 5 <t< th=""><th>Pair</th><th><u>Signal</u></th><th>Position</th><th>Position</th><th><u>Signal</u></th><th>Pair</th><th>Pair</th><th><u>Signal</u></th><th>Position</th><th>Position</th><th><u>Signal</u></th><th>Pair</th></t<> | Pair | <u>Signal</u> | Position | Position | <u>Signal</u> | Pair | Pair | <u>Signal</u> | Position | Position | <u>Signal</u> | Pair |
| 2 A1- 2 II4 A4- 6 3 A2- 3 II5 A5- 7 3 A2+ 21 II6 A6- 8 4 CLK1- 4 I6 A6- 8 4 CLK1+ 2 II7 A7- 9 5 A3- 5 II7 A7- 9 5 A3+ 23 A7+ 9 7 N/C 24 36 CLK2+ 10 N/C 24 36 CLK2+ 10 N/C 24 N/C 25 N/C 8 11 14 4 N/C 26 N/C 8 117 A7- N/C 26 N/C | 1 | A0- | 1 | 13 | USB Pwr | W6 | 1 | A0- | 1 | 13 | USB Pwr | W6 |
| 2 A1+ 20 32 A4+ 6 3 A2- 3 15 A5- 7 3 A2+ 21 33 A5+ 7 4 CLK1- 4 16 A6- 8 4 CLK1+ 22 34 A6+ 8 5 A3- 5 17 A7- 9 5 A3+ 23 35 A7+ 9 5 A3+ 23 36 CLK2- 10 N/C 24 36 CLK2+ 10 N/C 24 N/C 7 16 A6- 8 N/C 26 N/C 18 CLK2+ 10 N/C 7 N/C 8 N/C 18 CLK2+ 10 N/C 8 N/C 10 N/C 10 10 10 N/C 9 10 10 10 10 10 10 10 W1 DDC Gnd 27 10 10 | 1 | A0+ | 19 | 31 | Shld Gnd | Drain | 1 | A0+ | 19 | 31 | Shld Gnd | Drai |
| 3 A2- 3 I5 A5- 7 3 A2+ 21 33 A5+ 7 4 CLK1- 4 16 A6- 8 4 CLK1+ 22 34 A6+ 8 5 A3- 5 17 A7- 9 5 A3+ 23 35 A7+ 9 5 A3+ 23 36 CLK2- 10 N/C 24 36 CLK2+ 10 N/C 7 0 0 N/C 24 N/C 7 0 0 0 18 CLK2+ N/C 7 0 0 0 18 CLK2+ 10 N/C 25 0 0 0 N/C 26 0 0 N/C 9 0 0 0 0 0 0 0 0 N/C 9 | 2 | A1- | 2 | 14 | A4- | 6 | 2 | A1- | 2 | 14 | A4- | 6 |
| 3 A2+ 21 33 A5+ 7 4 CLK1- 4 16 A6- 8 4 CLK1+ 22 34 A6+ 8 5 A3- 5 17 A7- 9 5 A3+ 23 35 A7+ 9 5 A3+ 23 35 A7+ 9 5 A3+ 23 36 CLK2- 10 N/C 24 36 CLK2+ 10 N/C 24 N/C 25 N/C 24 36 CLK2+ 10 N/C 25 N/C 24 36 CLK2+ 10 N/C 26 N/C 8 N/C 16 N/C 26 N/C 9 16 N/C 26 17 16 | 2 | A1+ | 20 | 32 | A4+ | 6 | 2 | A1+ | 20 | 32 | A4+ | 6 |
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| 4 CLK1+ 22 34 A6+ 8 5 A3- 5 17 A7- 9 5 A3+ 23 35 A7+ 9 5 A3+ 23 36 CLK2+ 10 N/C 7 10 N/C 7 10 N/C 10 10 10 10 10 10 10 10 <td>3</td> <td>A2+</td> <td>21</td> <td>33</td> <td>A5+</td> <td>7</td> <td>3</td> <td>A2+</td> <td>21</td> <td>33</td> <td>A5+</td> <td>7</td> | 3 | A2+ | 21 | 33 | A5+ | 7 | 3 | A2+ | 21 | 33 | A5+ | 7 |
| 5 A3- 5 5 A3- 5 5 A3+ 23 35 A7+ 9 36 CLK2- 10 N/C 24 36 CLK2+ N/C 7 36 CLK2+ N/C 25 | 4 | CLK1- | 4 | 16 | A6- | 8 | 4 | CLK1- | 4 | 16 | A6- | 8 |
| 5 A3+ 23 35 A7+ 9 Drain Shid Gnd 6 18 CLK2- 10 N/C 24 36 CLK2+ 10 N/C 7 36 CLK2+ 10 N/C 25 36 CLK2+ 10 N/C 25 10 N/C 25 N/C 8 10 N/C 25 N/C 26 10 N/C 8 N/C 9 10 10 N/C 8 N/C 9 10 10 10 10 W1 DDC Gnd 27 10 10 10 W3 DDC/SDA 28 10 10 10 10 W4 DDC Pwr 11 10 10 10 10 10 W5 USB Gnd 29 10 10 10 10 10 10 SP1 USB+ 12 10 10 10 10 10 10 10 10 | 4 | CLK1+ | 22 | 34 | A6+ | 8 | 4 | CLK1+ | 22 | 34 | A6+ | 8 |
| Drain Shld Gnd 6 18 CLK2- 10 N/C 24 36 CLK2+ 10 36 CLK2+ 10 N/C 7 36 CLK2+ 10 36 CLK2+ 10 N/C 25 1 1 1 1 36 CLK2+ 10 N/C 25 1 | 5 | A3- | 5 | 17 | A7- | 9 | 5 | A3- | 5 | 17 | A7- | 9 |
| N/C 24 36 CLK2+ 10 N/C 7 36 CLK2+ 10 N/C 7 36 CLK2+ 10 N/C 25 | 5 | A3+ | 23 | 35 | A7+ | 9 | 5 | A3+ | 23 | 35 | A7+ | 9 |
| N/C 7 N/C 7 N/C 25 N/C 25 N/C 25 N/C 25 N/C 8 N/C 25 N/C 26 N/C 26 N/C 9 N/C 10 W1 DDC Gnd 27 W1 W2 DDC/SDA 28 W4 W4 DDC Pwr 11 W5 W5 USB Gnd 29 SP1 USB- SP1 USB- 30 SP2 USB- It pairs are individually shielede with aluminum foil. SP2 USB- SP1 shields are wrapped | Drain | Shld Gnd | 6 | 18 | CLK2- | 10 | Drain | Shld Gnd | 6 | 18 | CLK2- | 10 |
| N/C 25 N/C 25 N/C 8 N/C 25 N/C 8 N/C 8 N/C 26 N/C 26 N/C 9 N/C 26 N/C 9 N/C 26 N/C 9 N/C 26 N/C 9 N/C 9 W1 DDC Gnd 27 W1 DDC Gnd 27 W2 DDC/SDA 28 W1 DDC/SDA 28 W4 DDC Pwr 11 W3 DDC/SDA 28 W4 DDC Pwr 11 W5 USB Gnd 29 SP1 USB+ 12 SP1 USB+ 12 SP1 USB- 30 Image: Constant of the strip | | N/C | 24 | 36 | CLK2+ | 10 | | N/C | 24 | 36 | CLK2+ | 10 |
| N/C 8 N/C 8 N/C 26 N/C 26 N/C 9 N/C 9 W1 DDC Gnd 27 N/C 9 W2 DDC/SCL 10 W2 DDC/SCL 10 W3 DDC/SDA 28 W4 DDC Pwr 11 W5 USB Gnd 29 SP1 USB + 12 SP1 USB + 12 SP1 USB + 12 SP1 USB + 30 SP2 USB- 30 otes: All pairs are individually shielded with aluminum foil. SP2 USB- 30 Pair shields are wrapped Aluminum out and in contact with six internal drains (logic ground). SP2 SP3 | | N/C | 7 | | | | | N/C | 7 | | | |
| N/C 26 N/C 26 N/C 9 1 0 1 W1 DDC Gnd 27 N/C 9 1 W2 DDC/SCL 10 1 1 1 1 W3 DDC/SDA 28 1 | | | | | | | | | | | | |
| N/C 9 N/C 9 W1 DDC Gnd 27 W1 DDC Gnd 27 W2 DDC/SCL 10 W2 DDC/SCL 10 W3 DDC/SDA 28 W2 DDC/SDA 28 W4 DDC Pwr 11 W2 DDC/SDA 28 W4 DDC Pwr 11 W3 DDC/SDA 28 SP1 USB Gnd 29 W4 DDC Pwr 11 W5 USB Gnd 29 SP1 USB+ 12 SP1 USB- 30 SP2 USB- 30 Image: Constant of the sit internal drains (logic ground). | | N/C | 8 | | | | | N/C | 8 | | | |
| W1 DDC Gnd 27 W2 DDC/SCL 10 W3 DDC/SDA 28 W4 DDC Pwr 11 W5 USB Gnd 29 SP1 USB+ 12 SP1 USB- 30 Image: Sign of the stress of th | | | | | | | | | | | | |
| W2 DDC/SCL 10 W3 DDC/SDA 28 W4 DDC Pwr 11 W5 USB Gnd 29 SP1 USB+ 12 SP1 USB- 30 Image: Solution of the state o | | | | | | | | | | | | |
| W3 DDC/SDA 28 W4 DDC Pwr 11 W5 USB Gnd 29 SP1 USB+ 12 SP1 USB- 30 Image: Constraint of the state | | | | | | | | | | | | |
| W4 DDC Pwr 11 W5 USB Gnd 29 SP1 USB+ 12 SP1 USB- 30 Image: Second | | | | | | | | | | | | |
| W5 USB Gnd 29 SP1 USB+ 12 SP1 USB- 30 Image: Second | | | | | | | | | | | | |
| SP1 USB+ 12 SP1 USB- 30 SP1 USB+ 12 SP2 USB- 30 SP2 USB- 30 otes: All pairs are individually shielded with aluminum foil. Sector and frame of the sector and frame of t | | | | | | | | | | | | |
| SP1 USB- 30 SP2 USB- 30 otes: . All pairs are individually shielded with aluminum foil. . Pair shields are wrapped Aluminum out and in contact with six internal drains (logic ground). | | | | | | | | | | | | |
| otes: All pairs are individually shielded with aluminum foil. Pair shields are wrapped Aluminum out and in contact with six internal drains (logic ground). | | | | | | | | | | | | |
| . All pairs are individually shielded with aluminum foil. Pair shields are wrapped Aluminum out and in contact with six internal drains (logic ground). | SP1 | USB- | 30 | | | | SP2 | USB- | 30 | | | |
| All pairs are individually shielded with aluminum foil. Pair shields are wrapped Aluminum out and in contact with six internal drains (logic ground). | | | | | | | | | | | | |
| | Pa | air shields are v | vrapped Alumii | num out and in o | contact with si | | | ound). | | | | |
| | | | | | | | | | | | | |

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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.

This product contains decaBDE in the insulating material in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/717/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 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; 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; 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) × O O O O O | | | | | | | | | | |
| O:表示该有毒有害物质在该部件所有 hazardous substance contained in SJ/T11363-2006.) X:表示该有毒有害物质至少在该部件 hazardous substance contained in requirement in SJ/T11363-2006.) | all of the 牛的某一均质 | homogeneou 词材料中的含 | us material 量超出SJ/T | s for this part 11363-2006 标准规 | is below the limi 定的限量要求。(In | t requirement in dicates that this | | | | |

Appendix C3: China RoHS 4

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; 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.)

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.



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