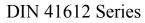
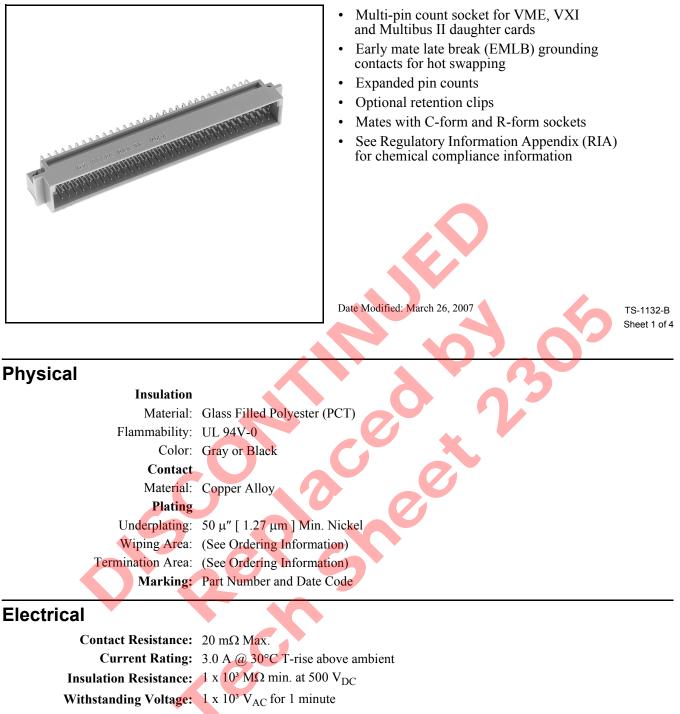
3M[™] DIN C-Form Plug

.100" Standard Mount, Right Angle, Solder Tail Termination





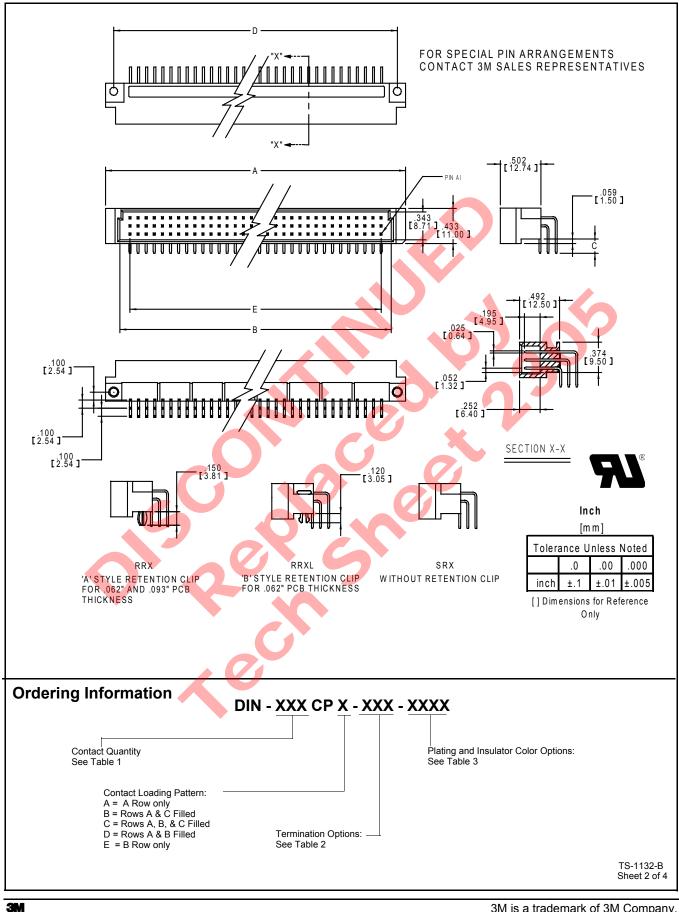
Environmental

Temperature Rating:-55°C to +125°CProcess Temperature Rating:260°C per J-STD-020CMoisture Sensitivity Level:1 (per J-STD-020C)

UL File No.: E68080

3M[™] DIN C-Form Plug .100" Standard Mount, Right Angle, Solder Tail Termination

DIN 41612 Series



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

Downloaded from Elcodis.com electronic components distributor

3M[™] DIN C-Form Plug

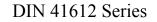
.100" Standard Mount, Right Angle, Solder Tail Termination

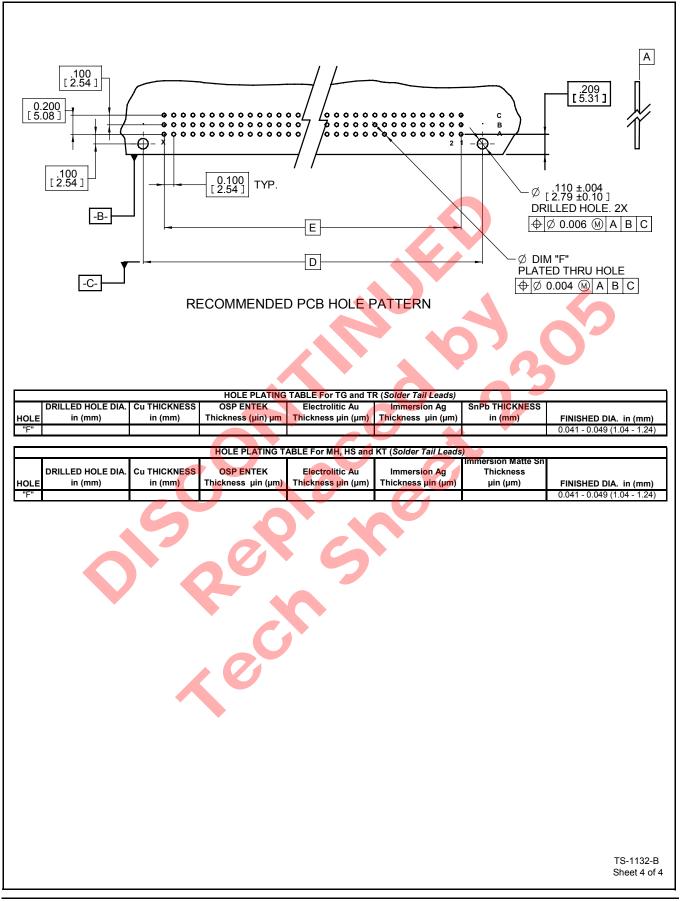
	Load Pattern	1	4	В		D	Е	
016	A	2.100	[53.34]	1.754 [44.55]]	1.900 [48.26]	1.500 [38.1	
032	В	2.100	[53.34]	1.754 [44.55]]	1.900 [48.26]	1.500 [38.1	
048	С	2.100	[53.34]	1.754 [44.55]]	1.900 [48.26]	1.500 [38.1	
032	D	2.100	[53.34]	1.754 [44.55]]	1.900 [48.26]	1.500 [38.1	
016	E	2.100	[53.34]	1.754 [44.55]]	1.900 [48.26]	1.500 [38.1	
032	A	3.700	[93.98]	3.354 [85.19]]	3.500 [88.90]	3.100 [78.74	
064	В	3.700	[93.98]	3.354 [85.19]]	3.500 [88.90]	3.100 [78.74	
096	С	3.700	[93.98]	3.354 [85.19]]	3.500 [88.90]	3.100 [78.74	
064	D	3.700	[93.98]	3.354 [85.19]]	3.500 [88.90]	3.100 [78.74	
032	E	3.700	[93.98]	3.354 [85.19]]	3.500 [88.90]	3.100 [78.74	
040	A	4.500	[114.30]	4.154 [105.5	1]	4.300 [109.22]	3.900 [99.0	
080	В	4.500	[114.30]	4.154 [105.5	1]	4.300 [109.22]	3.900 [99.0	
120	С	4.500	[114.30]	4.154 [105.5	1]	4.300 [109.22]	3.900 [99.0	
080	D	4.500	[114.30]	4.154 [105.5	1]	4.300 [109.22]	3.900 [99.0	
040	E	4.500	[114.30]	4.154 [105.5	1]	4.300 [109.22]	3.900 [99.0	
050	А	5.500	[139.70]	5.154 [130.9	1]	5.300 [134.62]	4.900 [124.4	
100	В	5.500	[139.70]	5.154 [130.9	1]	5.300 [134.62]	4.900 [124.4	
150	С	5.500	[139.70]	5.154 [130.9	1]	5.300 [134.62]	4.900 [124.4	
100	D	5.500	[139.70]	5.154 [130.9	1]	5.300 [134.62]	4.900 [124.4	
050	E	5.500	[139.70]	5.154 [130.9	1]	5.300 [134.62]	4.900 [124.4	
SOLDER TERMINATION OPTION No SR1 SR2					0.114 (2.90)		Comments No retention clips No retention clips	
		RR1		0.180 (,		e retention clips	
		RR2		0.180 (e retention clips	
		RR1L		0.114 (2.90)		e retention clips	
		R2L		0.180 (4.57)	With "B" style	e retention clips	
PRES	S-FIT TERM	NA	OPTION No		<u> </u>			
		INA 🖉						
				Table 3				
	Plating Suffix	Plastic	Solder T	ail		ating Composition	n	
	Plating Suffix TG30		Terminati	ail ons 0.76 µi apply) 2.54 µi	<u>Ρί</u> n [30 μ"] Ν n [100 μ"]	ating Composition Iin. Au Contact A Min. SnPb Tail Ar	rea	
	Suffix	Plastic Color	Terminati	ail ons 0.76 µі арріу) 2.54 µі 1.27 µі	Ρί n [30 μ"] Ν n [100 μ"] n [50 μ"] Ν	lin. Au Contact A Min. SnPb Tail Ai Iin. Ni all over	rea rea	
	Suffix TG30	Plastic Color Gray	Terminati (RIA E3 & C2	ail ons apply) 0.76 µi 2.54 µi 1.27 µi 0.08 µi 0.8 µi	ΡΙ; n [30 μ"] Ν n [100 μ"] n [50 μ"] Ν n [3 μ"] Μί	lin. Au Contact A Min. SnPb Tail Ai lin. Ni all over n. Au Contact Are	rea ea ea	
	Suffix	Plastic Color	Terminati	ail ons apply) 2.54 µ 1.27 µ 0.08 µ 0.18 µ	ΡΙ; n [30 μ"] Ν n [100 μ"] n [50 μ"] Ν n [3 μ"] Μi n [7 μ"] Μi	lin. Au Contact A Min. SnPb Tail Ai Iin. Ni all over	rea rea ea Area	
	Suffix TG30	Plastic Color Gray	Terminati (RIA E3 & C2	ail ons apply) аррly) аррly) 0.08 μ 0.18 μ 2.54 μ 2.54 μ 1.27 μ	Ρία n (30 μ") Ν n (100 μ") n (50 μ") Ν n (3 μ") Μi n (7 μ") Μi n (100 μ") n (50 μ") Ν	lin. Au Contact A Min. SnPb Tail Aı lin. Ni all over n. Au Contact Are n. PdNi Contact <i>I</i> Min. SnPb Tail Aı lin. Ni all over	rea rea Pa Area rea	
	Suffix TG30	Plastic Color Gray	Terminati (RIA E3 & C2	ail ons apply) (2.54 µ 1.27 µ (0.08 µ 2.54 µ 2.54 µ 2.54 µ 1.27 µ (0.76 µ)	<u>ΡΙα</u> n [30 μ"] M n [100 μ"] n [50 μ"] M n [3 μ"] Mi n [7 μ"] Mi n [7 μ"] Mi n [50 μ"] M n [30 μ"] N	lin. Au Contact A Min. SnPb Tail Ai lin. Ni all over n. Au Contact Are n. PdNi Contact A Min. SnPb Tail Ai lin. Ni all over lin. Au Contact A	rea rea Pa Area rea rea	
	Suffix TG30	Plastic Color Gray	Terminati (RIA E3 & C2	ail ons apply) (2.54 µ 1.27 µ (0.08 µ 2.54 µ 2.54 µ 2.54 µ 1.27 µ (0.76 µ 5.08 µ 5.08 µ	<u>ΡΙα</u> n [30 μ"] M n [100 μ"] n [50 μ"] M n [3 μ"] Mi n [7 μ"] Mi n [7 μ"] Mi n [50 μ"] M n [30 μ"] N	lin. Au Contact A Min. SnPb Tail Ai lin. Ni all over n. Au Contact Are n. PdNi Contact A Min. SnPb Tail Ai lin. Ni all over lin. Au Contact A Min. Reflowed Mi	rea rea Pa Area rea rea	
	Suffix TG30 TR	Plastic Color Gray Gray	Terminati (RIA E3 & C2 (RIA E3 & C2	ail ons apply) (2.54 µ 1.27 µ (0.08 µ 2.54 µ 2.54 µ 2.54 µ 1.27 µ (0.18 µ 2.54 µ 1.27 µ (0.76 µ) 2.54 µ 2.54 µ (0.8 µ) 2.54 µ 2.54 µ (0.8 µ) 2.54 µ 2.54 µ 2	<u>ΡΙα</u> m [30 μ"] M m [100 μ"] n [50 μ"] M n [3 μ"] Mi n [7 μ"] Mi n [7 μ"] Mi n [50 μ"] M n [30 μ"] M n [200 μ"]	lin. Au Contact A Min. SnPb Tail Ai lin. Ni all over n. Au Contact Are n. PdNi Contact A Min. SnPb Tail Ai lin. Ni all over lin. Au Contact A Min. Reflowed Mi	rea rea Pa Area rea rea	
	Suffix TG30 TR	Plastic Color Gray Gray	Terminati (RIA E3 & C2 (RIA E3 & C2	ail ons apply) (2.54 µ 1.27 µ (0.08 µ 2.54 µ 2.54 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ (0.76 µ 5.08 µ Mitiga 1.27 µ 0.08 µ 0.76 µ	<u>Pla</u> n [30 μ"] M n [100 μ"] n [50 μ"] Mi n [3 μ"] Mi n [7 μ"] Mi n [100 μ"] n [50 μ"] M n [200 μ"] ting Sn Te n [50 μ"] Mi	lin. Au Contact A Min. SnPb Tail Ar lin. Ni all over n. Au Contact Are n. PdNi Contact A Min. SnPb Tail Ar lin. Ni all over lin. Au Contact A Min. Reflowed Ma rm. Area lin. Ni all over n. Au over 0.18 μ	rea rea Area rea rea atte Whisker	
	Suffix TG30 TR MH	Plastic Color Gray Gray Black	Terminati (RIA E3 & C2 (RIA E3 & C2 (RIA E1 & C1	ail ons apply) (2.54 µ 1.27 µ 2.54 µ 2.54 µ 2.54 µ 2.54 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ 5.08 µ Mitiga 1.27 µ 0.08 µ 0.76 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ 2.54 µ 2.57 µ	<u>Pla</u> n [30 μ"] M n [100 μ"] n [50 μ"] Mi n [3 μ"] Mi n [7 μ"] Mi n [100 μ"] n [50 μ"] Mi (200 μ"] ting Sn Te n [50 μ"] Mi n [3 μ"] Mi	lin. Au Contact A Min. SnPb Tail Aı lin. Ni all over n. Au Contact Are n. PdNi Contact A Min. SnPb Tail Aı lin. Ni all over lin. Au Contact A Min. Reflowed Ma rm. Area lin. Ni all over n. Au over 0.18 μ Contact Area	rea rea Area rea atte Whisker m	
	Suffix TG30 TR	Plastic Color Gray Gray	Terminati (RIA E3 & C2 (RIA E3 & C2	ail ons apply) (2.54 µ 1.27 µ 2.54 µ 2.54 µ 2.54 µ 2.54 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ 3.58 µ Mitiga 1.27 µ Mitiga 1.27 µ 0.08 µ 0.76 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ 2.54 µ 2.54 µ 1.27 µ 2.54 µ 2.54 µ 2.54 µ 1.27 µ 2.54 µ 2.54 µ 2.54 µ 1.27 µ 2.54 µ	<u>Pla</u> n [30 μ"] M n [100 μ"] n [50 μ"] Mi n [3 μ"] Mi n [7 μ"] Mi n [100 μ"] n [50 μ"] Mi (200 μ"] ting Sn Te n [50 μ"] Mi n [3 μ"] Mi	lin. Au Contact A Min. SnPb Tail Aı lin. Ni all over n. Au Contact Are n. PdNi Contact A Min. SnPb Tail Aı lin. Ni all over lin. Au Contact A Min. Reflowed Ma rm. Area n. Au over 0.18 μ Contact Area Min. Reflowed Ma	rea rea Area rea atte Whisker m	
	Suffix TG30 TR MH	Plastic Color Gray Gray Black	Terminati (RIA E3 & C2 (RIA E3 & C2 (RIA E1 & C1	ail ons apply) (2.54 µ (1.27 µ (2.54 µ (1.27 µ (0.08 µ (2.54 µ (2.54 µ (2.54 µ (2.54 µ) (2.54 µ (1.27 µ (1.27 µ) (3.08 µ (3.08 µ) (3.08 µ)	Pla n [30 μ"] M n [50 μ"] M n [50 μ"] M n [7 μ"] Mi n [7 μ"] Mi n [30 μ"] M m [200 μ"] M n [200 μ"] M n [200 μ"] Mi m [200 μ"] Mi Min. PdNi m [200 μ"] Mi	lin. Au Contact A Min. SnPb Tail Aı lin. Ni all over n. Au Contact Are n. PdNi Contact A Min. SnPb Tail Aı lin. Ni all over lin. Au Contact A Min. Reflowed Ma rm. Area n. Au over 0.18 μ Contact Area Min. Reflowed Ma	rea rea Area rea atte Whisker m	
	Suffix TG30 TR MH	Plastic Color Gray Gray Black	Terminati (RIA E3 & C2 (RIA E3 & C2 (RIA E1 & C1	ail ons apply) (2.54 µ 1.27 µ (0.08 µ 0.18 µ 2.54 µ (0.18 µ 2.54 µ 1.27 µ (0.76 µ 2.54 µ 1.27 µ (0.76 µ 5.08 µ Mitiga 1.27 µ (0.78 µ (1.27 µ) 5.08 µ (1.27 µ) (1.27 µ	Pla n [30 μ"] M n [50 μ"] M n [5 μ"] Mi n [7 μ"] Mi n [7 μ"] Mi n [50 μ"] M n [50 μ"] Mi n [50 μ"] Mi n [50 μ"] Mi n [50 μ"] Mi n [200 μ"] Mi n [200 μ"] Mi m [50 μ"] Mi	lin. Au Contact A Min. SnPb Tail Ar lin. Ni all over n. Au Contact Are n. PdNi Contact Are Min. SnPb Tail Ar lin. Ni all over lin. Au Contact A Min. Reflowed Ma rm. Area Min. Reflowed Ma rm. Area	rea rea Area rea atte Whisker m atte Whisker	
	Suffix TG30 TR MH	Plastic Color Gray Gray Black	Terminati (RIA E3 & C2 (RIA E3 & C2 (RIA E1 & C1 (RIA E1 & C1	ail ons apply) apply) apply) apply) 0.76 µ 1.27 µ 0.8 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ 0.76 µ 2.54 µ 1.27 µ 0.76 µ 3.08 µ Mitiga 1.27 µ 0.8 µ 1.27 µ 0.76 µ 2.54 µ 1.27 µ 0.76 µ 2.54 µ 1.27 µ 0.76 µ 0.76 µ 0.76 µ 0.76 µ 0.76 µ 0.76 µ 0.76 µ 0.76 µ 0.8 µ 0.76 µ 0.72 µ 0.72 µ 0.75 µ 0.25 µ 0.25 µ 0.25 µ 0.25 µ	Pla n [30 μ"] M n [100 μ"] M n [50 μ"] M n [7 μ"] Mi n [50 μ"] M n [200 μ"] M n [200 μ"] M m [200 μ"] M m [200 μ"] M m [200 μ"] M m [50 μ"] M m [200 μ"] M m [200 μ"] M n [10 μ"] M n [10 μ"] M	lin. Au Contact A Min. SnPb Tail Ar lin. Ni all over n. Au Contact Ard n. PdNi Contact Ard Min. SnPb Tail Ar lin. Ni all over lin. Au Contact A Min. Reflowed Ma m. Area Min. Reflowed Ma m. Area Min. Reflowed Ma m. Area lin. Ni all over lin. Ni all over lin. Au Contact A Min. Reflowed Ma	rea rea Area rea atte Whisker m atte Whisker	
	Suffix TG30 TR MH HS	Plastic Color Gray Gray Black Black	Terminati (RIA E3 & C2 (RIA E3 & C2 (RIA E1 & C1	ail ons apply) (2.54 µ 1.27 µ 2.54 µ 2.54 µ 2.54 µ 2.54 µ 2.54 µ 2.54 µ 1.27 µ 2.54 µ 1.27 µ 3.08 µ Mitiga 1.27 µ 0.08 µ 1.27 µ 3.08 µ Mitiga 1.27 µ 0.88 µ Mitiga 1.27 µ 0.88 µ 0.88 µ 0.88 µ 0.88 µ 0.88 µ 0.88 µ 0.88 µ 0.88 µ Mitiga 1.27 µ 0.88 µ 0.88 µ Mitiga	Pla n [30 μ"] M n [100 μ"] M n [50 μ"] M n [7 μ"] Mi n [7 μ"] Mi n [50 μ"] M n [200 μ"] M n [200 μ"] M n [200 μ"] M n [200 μ"] M n [50 μ"] M n [200 μ"] M n [10 μ"] M n [200 μ"] M	lin. Au Contact A Min. SnPb Tail Ar lin. Ni all over n. Au Contact Ard n. PdNi Contact Ard Min. SnPb Tail Ar lin. Ni all over lin. Au Contact A Min. Reflowed Ma m. Area Min. Reflowed Ma m. Area Min. Reflowed Ma m. Area lin. Ni all over lin. Ni all over lin. Au Contact A Min. Reflowed Ma	rea rea Area rea atte Whisker m atte Whisker	

Table 1

3M Interconnect Solutions http://www.3M.com/interconnects/ 3M[™] DIN C-Form Plug

.100" Standard Mount, Right Angle, Solder Tail Termination





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

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 2005/17/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 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 Compon <mark>ent Name)</mark>	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)	X	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/Tl1363-2006 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/Tl1363-2006.) X: 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/Tl1363-2006 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 ninety (90) days 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.



Electronic Solutions Division

6801 River Place Blvd. Austin, TX 78726-9000 800/225-5373 www.3M.com/interconnects