TB2033COC493

RoHS Compliance Status of 493-XXXX-XXX VHDM Connector Components

Revision “C“

Specification Revision Status

Revision	SCR No.	Description	Initial	Date
-	S0172	Initial Release	D. Manning	20-Apr-2006
A	S0667	Reformatted	J. Sharp	19-Sep-2007
B	S0802	Updated copyright information	C. Palmer	25-Feb-2008
C	S0808	Updated Korea RoHS Information. Updated to new 2008 Format	J. Sharp	06-Mar-2008

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1. Purpose and Scope

The purpose of this document is to certify compliance to various ROHS regulations of certain types of electronic equipment manufactured or purchased by Amphenol TCS for inclusion in products. This document covers all Amphenol TCS part numbers listed in Table 1 below. This document covers these products as they are manufactured in all Amphenol TCS facilities.

2. Referenced Documents

The following documents may be referenced in this document:

- 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive)
- 2005/618/EC: Commission Decision of 18 August 2005 amending Directive 2002/95/EC of the European Parliament and of the Council for the purpose of establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment
- 2005/747/EC: Commission Decision of 21 October 2005 amending for the purposes of adapting to technical progress the Annex to Directive 2002/95/EC of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment
- China RoHS - Management Methods for Control of Pollution Caused by Electronic Information Products, Ministry of Information Industry, February 28, 2006, Order No. 39
- China RoHS EIP List - Electronic Information Products Classification and Explanations
- SJ/T11364-2006 - Marking for Control of Pollution Caused by Electronic Information Products
- SJ/T11363-2006 - Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products
- SJ/T11365-2006 - Testing Methods for Hazardous Substances in Electronic Information Products
- GB 18455-2001 - Packaging Recycling Mark
- Law No. 8405 – Act for Resource Recycling of Electrical/Electronic Products and Automobiles (South Korea RoHS)
- Enforcement Act of Law Regarding Resource Recycling of Electrical/Electronic Products and Automobiles (South Korea RoHS)

3. Certifications

Table 1. Amphenol TCS Parts Covered by this Certificate of Compliance.

Amphenol TCS Part Number	Part/Product Description	RoHS Compliance Status Code (see Table 2)	Exemptions Used (see Table 4)	Compliant Since
493-2XXX-000	VHDM 8-row Backplane Connector Assembly	EU-B CH-A KOR-A	None	28-Mar-2005
493-30XX-00X	VHDM 8-row Backplane Connector Assembly	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998
493-30XX-01X	VHDM 8-row Backplane Connector Assembly	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998

Amphenol TCS Part Number	Part/Product Description	RoHS Compliance Status Code (see Table 2)	Exemptions Used (see Table 4)	Compliant Since
493-30XX-02X	VHDM 8-row Backplane Connector Assembly	EU-B CH-A KOR-A	None	28-Mar-2005
493-30XX-03X	VHDM 8-row Backplane Connector Assembly	EU-B CH-A KOR-A	None	28-Mar-2005
493-50XX-00X	VHDM 8-row Backplane Connector Assembly	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998
493-50XX-01X	VHDM 8-row Backplane Connector Assembly	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998
493-50XX-02X	VHDM 8-row Backplane Connector Assembly	EU-B CH-A KOR-A	None	28-Mar-2005
493-50XX-03X	VHDM 8-row Backplane Connector Assembly	EU-B CH-A KOR-A	None	28-Mar-2005
493-60XX-00X	VHDM 8-row Backplane Connector Assembly, Beryllium Copper	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998
493-60XX-01X	VHDM 8-row Backplane Connector Assembly, Beryllium Copper	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998
493-60XX-02X	VHDM 8-row Backplane Connector Assembly, Beryllium Copper	EU-B CH-A KOR-A	None	28-Mar-2005
493-60XX-03X	VHDM 8-row Backplane Connector Assembly, Beryllium Copper	EU-B CH-A KOR-A	None	28-Mar-2005
493-7XXX-000	VHDM 8-row Backplane Connector Assembly	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998
493-80XX-00X	VHDM 8-row Backplane Connector Assembly, Advanced Mate	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998
493-80XX-01X	VHDM 8-row Backplane Connector Assembly, Advanced Mate	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998
493-80XX-02X	VHDM 8-row Backplane Connector Assembly, Advanced Mate	EU-B CH-A KOR-A	None	28-Mar-2005

Amphenol TCS Part Number	Part/Product Description	RoHS Compliance Status Code (see Table 2)	Exemptions Used (see Table 4)	Compliant Since
493-80XX-03X	VHDM 8-row Backplane Connector Assembly, Advanced Mate	EU-B CH-A KOR-A	None	28-Mar-2005
493-90XX-00X	VHDM 8-row Backplane Connector Assembly, Beryllium Copper, Advanced Mate	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998
493-90XX-01X	VHDM 8-row Backplane Connector Assembly, Beryllium Copper, Advanced Mate	EU-A CH-B (lead) KOR-A	EU-11	10-Jun-1998
493-90XX-02X	VHDM 8-row Backplane Connector Assembly, Beryllium Copper, Advanced Mate	EU-B CH-A KOR-A	None	28-Mar-2005
493-90XX-03X	VHDM 8-row Backplane Connector Assembly, Beryllium Copper, Advanced Mate	EU-B CH-A KOR-A	None	28-Mar-2005

Table 2. RoHS Compliance Status Code Explanation

Status Code	RoHS Compliance Status Code Explanation
CH-A	This part is in compliance with China RoHS on the restriction of the use of certain hazardous substances in Electronic Information Products. The homogeneous materials used in this part do not contain RoHS Restricted Substances above the Maximum Concentration Values shown in Table 3.
CH-B (X)	This part is NOT in compliance with China RoHS on the restriction of the use of certain hazardous substances in Electronic Information Products. Certain homogeneous materials used in this part do contain China RoHS Restricted Substances above the Maximum Concentration Values shown in Table 3, and there are no known exemptions to the usage of these substances. However, there are no bans on the use of this product. The only requirement at this time is that the hazardous substances (designated by "X" in parentheses) in this part must be declared in the Hazardous Substances Table for the final Product.
EU-A	This part is in compliance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive). Certain homogeneous materials used in this part do contain RoHS Restricted Substances above the Maximum Concentration Values shown in Table 3. RoHS Compliance requires the use of the exemptions shown in the column "Exemptions Used", and explained in Table 4.

Status Code	RoHS Compliance Status Code Explanation
EU-B	This part is in compliance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive). The homogeneous materials used in this part do not contain RoHS Restricted Substances above the Maximum Concentration Values shown in Table 3. No exemptions are required for EU RoHS Compliance.
EU-C	This part is NOT in compliance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive). Certain homogeneous materials used in this part do contain RoHS Restricted Substances above the Maximum Concentration Values shown in Table 3, and there are no known exemptions to the usage of these substances.
KOR-A	This part is not covered by the scope of the Act for Resource Recycling of Electrical/Electronic Products and Automobiles (Law No. 8405).
KOR-B	This part is in compliance with the Act for Resource Recycling of Electrical/Electronic Products and Automobiles. The homogeneous materials used in this part do not contain Korea RoHS Restricted Substances above the Maximum Concentration Values shown in Table 3. No exemptions are required for South Korea RoHS Compliance.
KOR-C	This part is in compliance with the Act for Resource Recycling of Electrical/Electronic Products and Automobiles. Certain homogeneous materials used in this part do contain Korea RoHS Restricted Substances above the Maximum Concentration Values shown in Table 3. RoHS Compliance requires the use of the exemptions shown in the column "Exemptions Used", and explained in Table 4.
KOR-D	This part is NOT in compliance with the Act for Resource Recycling of Electrical/Electronic Products and Automobiles. Certain homogeneous materials used in this part do contain Korea RoHS Restricted Substances above the Maximum Concentration Values shown in Table 3, and there are no known exemptions to the usage of these substances.

Table 3. Maximum Concentration Values (MCVs) from 2005/618/EC, SJ/T11363-2006, and South Korea RoHS

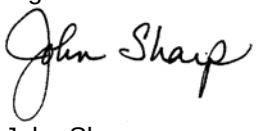
RoHS Restricted Substance	Allowable Limit
Cadmium and its compounds	100 ppm (0.01 weight %)
Mercury and its compounds	1000 ppm (0.1 weight %)
Hexavalent chromium and its compounds	1000 ppm (0.1 weight %)
Lead and its compounds	1000 ppm (0.1 weight %)
Polybrominated biphenyls (PBB)	1000 ppm (0.1 weight %)
Polybrominated diphenyl ethers (PBDE)	1000 ppm (0.1 weight %)

Table 4. Exemptions Used to Meet RoHS Compliance

Exemption No.	Exemption Description
EU-5	Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.
EU-6	Lead as alloying element in steel containing up to 0.35% lead by weight, aluminum containing up to 0.4% lead by weight, and as a copper alloy containing up to 4% lead by weight from 2002/95/EC.

Exemption No.	Exemption Description
EU-7	Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunications from 2002/95/EC. **The use of this exemption must be verified by the customer. Using devices containing lead in equipment other than that listed is not covered by this exemption.**
EU-11	Lead used in compliant pin connector systems from 2005/747/EC.
KOR-1	Lead within cathode-ray tube, electrical parts and the glass of fluorescent tube
KOR-2	Lead as an alloy component in iron with up to 0.35% lead content based on weight, aluminum with 0.4% lead content, copper alloy with 4% lead content
KOR-4	Lead included in the solder for server, memory device, memory device placement system, network management for telecommunication, network infra device for conversion, signals, and transmission
KOR-6	Lead used in compliant pin connector system

Signed for and on behalf of Amphenol-TCS: Date: 06-Mar-2008



John Sharp
Environmental & Safety Manager

For questions regarding this Certificate of Compliance, please contact Amphenol TCS at

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