



MAC Panel Company
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www.macpanel.com

To: Our Valued Customers
From: Technical Support
Date: January 24, 2008
Re: RoHS Directive

In an effort to reduce environmental pollution and improve the quality of human and animal health the European Union (EU) has adopted Directives 2002/95/EC (RoHS) and 2002/96/EC (WEEE), restricting the use of certain hazardous substances in electronic and electrical equipment placed into, and within, the EU market.

The common name of RoHS has been given to Directive 2002/95/EC on the Restriction of the use of certain Hazardous Substances in electrical/electronic equipment. This directive tolerates the use of six hazardous substances at the following maximum concentration levels.

Lead – Pb	0.1% maximum concentration
Mercury – Hg	0.1% maximum concentration
Cadmium – Cd	.01% maximum concentration
Hexavalent Chromium – Cr(VI)	0.1% maximum concentration
Polybrominated Biphenyls – PBBs	0.1% maximum concentration
Polybrominated Diphenyl Ethers – PBDEs	0.1% maximum concentration

The following are exempted from the requirements of the RoHS/WEEE directives.

- lead as an alloying element in steel containing up to 0.35% by weight
- lead as an alloying element in aluminum containing up to 0.4% by weight
- lead as an alloying element in copper alloys containing up to 4% by weight

WEEE is the common name for Directive 2002/96/EC on Waste Electrical and Electronic Equipment, which addresses the collection, treatment, recycling and disposal of consumer electrical/electronic apparatus waste.

The MAC Panel Company and its employees are supportive of the requirements of the European Parliament's RoHS and WEEE directives. As a long term designer and manufacturer of high quality mass interconnect systems, MAC Panel has always sought to develop products and systems with an environmental conscience while maintaining high technical standards. We have in place a technical group that has focused particularly on the issue of RoHS/WEEE compliance.

The vast majority of our mass interconnect components are made from stainless steel, aluminum, grade G-10 FR4 glass epoxy, brass and beryllium copper, and are RoHS/WEEE compliant. Some of our coaxial and high current patchcord assemblies utilize tin/lead solder, which will be phased out as new solder technologies become mainstream. All crimped patchcord assemblies are RoHS/WEEE compliant, as are our un-terminated coaxial and high current contacts.

P.O. Box 7728 High Point, North Carolina 27264



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This chart lists many of our high volume components and the primary materials they are made from:

<u>ITEM</u>	<u>MATERIAL COMPOSITION</u>	<u>COMPLIANT?</u>
Receiver	303/304 Stainless Steel and 6061/5052 Aluminum w/various Hardware	Yes – If Wiring is not Soldered
Hinged Mounting Kits	303/304 Stainless Steel and 6061/5052 Aluminum w/various Hardware	Yes
Mounting Faceplates	5052 Aluminum	Yes
Receiver Covers	303/304 Stainless Steel and 6061/5052 Aluminum w/various Hardware	Yes
ITA Assemblies	303 Stainless Steel and 6061 Aluminum w/various Hardware	Yes
ITA Covers	5052 Aluminum and Delrin Acetal Resin w/various Hardware	Yes
ITA Enclosures	5052 Alum. & ASTM-836 Steel w/various Hardware	Yes
Connector Modules	G-10 FR4 Glass Epoxy or 10% Glass Filled Black ABS w/various Hardware	Yes
Strain Relief Brackets	5052 Aluminum w/various Hardware	Yes
Receiver Contacts	Beryllium Copper and/or Brass w/PTFE Dielectric Parts	Yes
ITA Contacts	Beryllium Copper and/or Brass w/PTFE Dielectric Parts	Yes
Cable Headers	10% Glass Filled Black ABS or UL 94V-0 Rated Flame Retardant Thermoplastic	Yes
Patchcords	Beryllium Copper and/or Brass w/PTFE Dielectric Parts and PTFE Insulated Cable	Yes – If Wiring is not Soldered

Any specific RoHS inquiries should be directed to our Technical Support team at the above address and telephone number.

Regards,

MAC Panel Company
J.L. Craycroft, III
RoHS Coordinator

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