



Product Change Notice RoHS Compliance Revision C

Bordeaux, France May, 1st 2006

As a global player, GAIA Converter is committed to fulfill the requirements of the European Directive on the Restriction of Hazardous Substances (RoHS) 2002/95/EC applicable on July, 1st 2006 for electronic equipment in areas such household appliances, information technology, telecom, consumer equipment, ..

There are still a number of exemptions in particular for medical equipment, Avionics/Military equipments,

As a player in various areas, GAIA Converter has put in place a comprehensive plan to migrate to the European Directive 2002/95/EC applicable on July 1st, 2006 with minimum disruption for our customers.

1- For all GAIA Converter Hi-Rel Products

GAIA Converter Hi-Rel Products are dedicated to avionics/military applications. Considering the requirements of our customers, GAIA Converter has decided to postpone the transition of it's Hi-Rel products to RoHS **until further notice***.

All GAIA Converter following Hi Rel products will use leaded process :

- MGDM-04 : 4W Hi-Rel series
- MGDM-10 : 10W Hi-Rel series
- MGDM-18 : 18W Hi-Rel series
- MGDM-20 : 20W Hi-Rel series
- MGDM-25 : 25W Hi-Rel series
- MGDM-26 : 26W Hi-Rel series
- CGDM-30 : 30W Hi-Rel series
- MGDM-35 : 35W Hi-Rel series
- MGDM-75 : 75W Hi-Rel series
- MGDM-150 : 150W Hi-Rel series
- all front-end PGDS-50, HUGD-50, HGMS-35 series

(*When turning to RoHS, last buy orders of leaded products will be possible)

2- For all GAIA Converter Industrial Products

GAIA Converter Industrial Products will be compliant with European Directive 2002/95/EC. **All GAIA Converter industrial products will be RoHS compliant dated July, 1st 2006 :**

- MGDI-04 : 4W industrial series
- MGDI-10 : 10W industrial series
- MGDI-18 : 18W industrial series
- MGDI-20 : 20W industrial series
- MGDI-25 : 25W industrial series
- MGDI-26 : 26W industrial series
- CGDI-30 : 30W industrial series
- MGDI-35 : 35W industrial series

If you have any questions or require any additionnal information please feel free to contact GAIA Converter offices or your nearest distributor. We will assist you in any way we can.

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Product Markings

GAIA Converter Part Number will not change.

But in order to identify non RoHS to RoHS products, GAIA Converter will adopt the following tip on the module marking :

Dated July 1st, 2005 (product date code 0527) all GAIA Converter products will be identified as follow :

- for non RoHS products : a «L» identification letter will be attached to the product date code
- for RoHS products : no special marking for RoHS products.

The following table resumes the different product markings (datecode marking) :

| Product Compliance | Product Datecode Marking (yy : year of manufacturing ww : week of manufacturing) | |
|----------------------------|--|---|
| | Before July 1st, 2005 (before date code 0527) | After July 1st, 2005 (starting date code 0527) |
| Non RoHS compliant Product | yyww | yywwL |
| RoHS compliant Product | / | yyww |

Customer Responsibility

GAIA Converter products, once converted to RoHS will be compliant with the European Directive 2002/95/EC. GAIA Converter does not warrant that customers own product, which incorporate such GAIA Converter products, will turn to comply with the European Directive 2002/95/EC.

In all events the customer shall remain liable for ensurring it's own product meet the requirements of the European Directive 2002/95/EC, including but not necessarily limited to :

- verifying the compatibility with it's own soldering process
- checking marking and date code of all GAIA Converter products
- qualifying product in it's application, ...



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RoHS Directive

The RoHS Directive is a European Directive 2002/95/EC for Restriction of Hazardous Substances. From July 2006, new electrical and electronic equipment put on the market should not contain Lead, Mercury, Hexavalent Chromium, Cadmium, Polybrominated Biphenyls, and polybrominated Diphenyl Ethers.

RoHS Supply Chain Compliance

GAIA has initiated supply chain RoHS compliance far in advance with tracking, separate stocks, follow up, to ensure that all components, materials, tools for its products are compliant with European Directive 2002/95/EC.

RoHS Process Compliance

GAIA Converter will use lead free compatible SMD lines with lead free solder paste SnAgCu type, the main process compliance milestones are :

- initial RoHS process with product for qualification : January 1st, 2006
- transition to RoHS production for delivery to customer : July, 1st, 2006

RoHS Product Interface Compliance (Pins)

For all product, GAIA Converter pins finish will be matte tin over nickel (Sn) and will be implemented progressively for delivery to customers : January-June 30th, 2006.

Product Qualification

For industrial products, GAIA Converter has qualified the RoHS process and qualification report with cross sectioning and metallurgical analysis is available upon request.

For Hi-Rel products further qualification to comply with harsh environment are on-going including product qualification with HALT and HASS screening including thermal cycles and shocks to simulate acceleration factor.