Hi-Rel Power Solutions®

Date: March 1st, 2023

TO: Our Valued Customers
FROM: Granville C. Rains – Manager, Quality Assurance- Micross Hi-Rel

SUBJECT: **RoHS, WEEE and REACH Position for Hi-Rel Products**

The following outlines our product compliance to Restriction of Hazardous Substances (RoHS), Waste Electrical & Electronic Equipment (WEEE) and Registration, Evaluation and Authorization of Chemicals (REACH) Initiatives. The purpose of this letter is to clarify our position with respect to the use of these materials as it relates to Micross Hi-Rel Power Solutions catalog products.

RoHS Lead-Free: Micross Hi-Rel Products are exempt from RoHS restrictions (Article 2 of the EU Directive) due to the technology and critical nature of their intended applications use, which would be adversely affected (ie. space, military and hi-rel use). Micross Hi-Rel products contain various alloys of solder such as 63Sn/36Pb/2Ag, Pb50/In50 and Sn10/Pb88/Ag2. Our external finishes are lead-free except for Solder-dipped pins (When Specified).

100% Tin: 100% tin, which is the most common lead-free solderable finish, is not allowed as a component termination for Micross Hi-Rel QML and QPL products. All MIL-PRF-38534 compliant products (class H & K) are free of 100% tin on any element finish, internal or external. 100% tin terminated components are allowed and may be present in some Micross Hi-Rel non-QML products (HT Series DC/DC Converters).

Registration, Evaluation, Authorization and Restriction of Chemicals (REACH): The amount of toxic substances in Micross Hi-Rel catalog products, which may be imported into Europe, are well below the limits imposed by EU Directives. Micross Hi-Rel products do not contain Substances of Very High Concern (SVHC) above the threshold value declared as per ECHA SVHC 163. The candidate list can be found at the following link: http://echa.europa.eu

BeO: BeO material is used in some of Micross Hi-Rel products, the presence of BeO is clearly identified on the case marking of such devices.

Zinc: Pure zinc is not used in Micross Hi-Rel products, though it might be found as an alloy or compound in some components (i.e. magnetics).

If you should have any questions or concerns with the information contained within this notice, please contacts us via our local representative.

Sincerely,

Granville C. "Bo" Rains
Micross Hi-Rel Power Solutions
Quality Assurance Manager
Mobile: +1 408 310 8640
Granville.Rains@Micross.com