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December 17, 2015

TO: Our Valued Customers

FROM: Stacy Irwin
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SUBJECT: **RoHS, WEEE and REACH Position for Interpoint Products**

In response to requests for information regarding materials used in our 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 memorandum is to clarify our position with respect to the use of these materials as it relates to Interpoint catalog products (See Table A).

RoHS Lead-Free Position:

Interpoint products are not lead-free. However, Interpoint products may contain Sn96 solder, which is alloyed with 96.5% tin (Sn), 3% silver (Ag), and .05% copper (Cu). Our external finishes are lead-free except for the following:

- Solder-sealed cases (lid to header) – (See Table A)
- Customer requested solder-dipped pins

100% Tin Position:

100% tin, which is the most common lead-free solderable finish, is not allowed as a component termination for Interpoint MIL-PRF-38534 QML products ("883", class H and class K screening). Reference MIL-PRF-38534 paragraph E.4.2.7 for additional details. 100% tin terminated components are allowed and may be present in Interpoint non-QML products ("ES" or "Standard" screening). Customers who require the exclusion of 100% tin from their products should order QML products.

Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) position:

The amount of toxic substances in Interpoint catalog products, which may be imported into Europe, are well below the limits imposed by EU Directives. Interpoint products do not contain Substances of Very High Concern (SVHC) above the threshold value declared as per ECHA SVHC 163 last updated 15-June-2015. The candidate list can be found at the following location:

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

BeO Position:

BeO material is being phased out of Interpoint products however the following product families still may contain BeO; MTR, MHD, MFL and MOR.

Zinc Position:

Pure zinc is not used in Interpoint brand Power and Space products, though it might be found as an alloy or compound in some components (i.e. Ferrite magnetics MnZn).

Summary of Pure Tin

All MIL-PRF-38534 compliant products (class H & K) are free of 100% tin on any element finish, internal or external. The MFW, MTW, MHE, MLP, MHL, MRH, MSR, DCH, HR, FM, FMA, FMB, MSF, as well as the non-QML MTR duals product series have 100% fused-tin finish on the product case and pins. This is a 100% matte tin finish which has been hot dipped into oil during the package and cover manufacturing process.

Table A: Products Containing Pure Tin

Model	Screening Level		
	/883	/ES	/STD
MTR	Free of 100% of tin	Duals only Tin Case	Duals only Tin Case
FMD	Not available	Tin Case	Tin Case
Model	/ES	/STD	
MFW	Tin Case	Tin Case	
MTW	Tin Case	Tin Case	
MHL	Tin Case	Tin Case	
MHE	Tin Case	Tin Case	
MLP	Tin Case	Tin Case	
MRH	Tin Case	Tin Case	
MTO	Tin Case	Tin Case	
MSR	Tin Case	Tin Case	
DCH	Tin Case	Tin Case	
FM	Tin Case	Tin Case	
FMA	Tin Case	Tin Case	
FMB	Tin Case	Tin Case	
MSF	Tin Case	Tin Case	
Model	/HR		
HR700	Tin Case		
HR300	Tin Case		
HR150	Tin Case		
HR120	Tin Case		
HR40	Tin Case		

Sincerely,



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