

Position Statement of Lead-Free Products

E&E Magnetic Products Limited(EEMPL) is committed to meet compliance to ***DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL*** on the restriction of the use of certain hazardous substances in electrical and electronic equipment. In addition, EEMPL is actively offering and developing products compliant to European Union 's Laws on Waste Electrical and Electronic Equipment (WEEE), and Restriction of Hazardous Substance (RoHS).

To ensure compliance to Lead-Free product requirements, EEMPL has adopted several types of solder alloys such as Sn-Ag-Cu and Sn. In addition, EEMPL has upgraded some of the product materials or product designs in order to allow the products to sustain at the higher melting temperature of Lead-Free solder.

In order to meet higher reflow temperature profile required to process Lead-Free products, it is necessary to retain internal solder joints with solder composition that contains greater than 85% Lead. This type of internal solder joints is exempted as per Annex 7 of ***Directive 2002/95/EC*** because no lead free replacement currently exists. However, to fully comply with Lead Free requirements, the external pin plating for these types of Lead-Reduced products, EEMPL shall add suffix "R" to the part numbers of all magnetic discretes. For other completely Lead-Free products, EEMPL shall add suffix "F" to the part numbers of all magnetic discretes. For Magnetic Integrated Connectors (MIC), the prefix of the part numbers will be changed from "MJ-" to "MJR" for Lead-Reduced products and to "MJF" for Lead-Free products.

As one of our internal qualification requirements, all our Lead-Free or Lead-Reduced surface mount parts are tested with our Resistance to Solder Heat(RSH) test with peak temperature as specified IPC/JEDEC J-STD-020B.

EEMPL continues to work closely with our customers and Industry suppliers during the development of new Lead-Free materials. If you have any questions of Lead-Free requirements not covered by above information, please contact your local sales manager, customer service or sales representatives. For any technical question regarding Lead-Free parts, you are encouraged to contact our R&D department for details.