



Xmultiple Technologies, Inc., 1060 Los Angeles Avenue, Simi Valley, CA 9065

January 4, 2012

Dear Customer,

### **Electrostatic Sensitivity (ESD) and Shelf Life for Xmultiple products.**

Xmultiple shelf life policy for all connector products containing plated components is per the guidelines of the IECQ-BS9000 approval standards. In accordance with Paragraph 1.19 of the British Standard: BS9520 (Generic Approval Procedure for C.C. + L. F. Electrical Connectors) the following applies to Delayed Delivery or Use of the time between Xmultiple manufacturing the connector and the use of the same product by our customers.

1. Connectors held for a period exceeding 12 months, from acceptance inspection, shall be re-examined before they are used. During the period of the 12 months shelf life, the connectors must be stored in acceptable storage conditions listed below.
2. The connectors must be kept in the original sealed Xmultiple packaging at all times and must retain the date code traceable numbers.
3. The product must be stored in a suitable environment that is not subjected to extreme variations in temperature and humidity printed in the product specification of the connector being stored.
4. For connectors being stored beyond 12 months, the connectors must be placed in Moisture Barrier Bags described below.

**Xmultiple does not guarantee a shelf life time period. This shelf life policy letter is only our best knowledge recommendations.**

### **RJ Magnetic and Non-Magnetic Connectors Shelf Life:**

The time within an electronic component or mechanical part can be stored. The time within the electronic component or mechanical part can be used without testing, evaluation or special conditioning. Usage of a component beyond the specified shelf life could compromise product long term reliability.

### **ELECTRICAL CONNECTORS Shelf Life**

The shelf life of the connectors depends on storage conditions. With normal storage conditions within the recommended storage temperatures published in our product specifications, Electrical connectors have a 12 month shelf life. This period can be extended if moisture barrier bags (MBB) are used for storage.

All electrical connectors are recommended to be stored in MBB to prevent moisture, mildew or other potential deterioration of the external packaging materials.

If connectors are stored beyond one year the connectors should be tested for solderability per IPC/EIA J-STD-002A Category I before being used. In addition to performing the solderability examination, at the discretion of an engineer, examination such as cross-sections and/or suitable alternative may be appropriate. It may be possible to use this material based on this inspection and subsequent 90 days if this material passes the solderability test.

### **Moisture Barrier Bags (MBB)**

A Moisture Barrier Bag is designed to minimize the transmission of water vapor and used to pack moisture sensitive devices. Xmultiple recommends storage in MBB. The bags are ESD safe, flexible, and puncture resistant. The Water vapor transmission rate should be  $\leq 0.002$  g/100 sq.in. in 24 Hours at 40 C after flex testing per condition E of ASTM F 392-93.

Regards,

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