

Glenrothes

Q-20B

PURCHASE ORDER ATTACHMENT

Electro Static Discharge (ESD) Safe, Static Sensitive Device (SSD) Packaging

RSL operate a policy of storing and transporting supplied material in received packaging. As a manufacturer of electronic assemblies, RSL require all general packaging to be ESD safe and to be compatible with the storage and transportation of SSD's. To this end, the minimum requirement for SSD internal packaging supplied to RSL will be conductive. It is RSL policy to treat all SSD's as MIL-STD- 1686 Class 1 devices with respect to handling, in the absence of other specific requirements.

PACKAGING METHOD: Protect all critical features of the supplied material, such as leads, terminals, shafts, outer surfaces etc., from any load with suitable inserts, collars, sleeves, covers or caps made from conductive or static dissipative material. All supplied material shall be contained within **internal packaging**, typically a conductive or shielded bag and placed onto, or in between, conductive or static dissipative foam into a **unit container**. It is required that the unit container is conductive or static dissipative. The unit or multiple unit containers may be placed into an **outer container**, which can be a folding box, setup box or a corrugated cardboard/fiberboard box, using antistatic cushioning material to adequately protect the supplied material and fill voids. Do not exceed the weight limitations of the container.

OUTER CONTAINER: Shall be of sufficient quality and strength to ensure safe arrival of parts.

MARKING INSTRUCTIONS: Mark internal packaging and unit container, with RSL part name/ number and quantity. Internal packaging marking may be omitted if the part number is visible on the part when the bag is closed. Mark each outer container with RSL part name/number, quantity, purchase order number and suppliers name/address.

SPECIAL INSTRUCTIONS: Dual-in-line (DIP) tube packaging supplied must be of the conductive or shielded type. If antistatic DIP tube packaging is used, then additional internal conductive/shielded packaging, typically bag or box, must be used. All levels of packaging containing material with Beryllium/Beryllia shall be marked with a warning that the consignment contains Beryllium/Beryllia.

DEFINITIONS:

Antistatic material is defined as, material with a surface resistivity greater than 10^9 but not greater than 10^{14} ohms per square.

Static Dissipative material is defined as, material with a surface resistivity greater than 10^5 but not greater than 10^9 ohms per square.

Conductive material is defined as, material with a surface resistivity of 10^5 ohms per square maximum. **Internal packaging** is defined as the packaging in contact with the supplied material.

Unit container is defined as a level of packaging adequate to provide safe shelf storage from ESD and physical damage of the supplied material within RSL.

Outer container is defined as the external shipping packaging.

GENERAL: RSL Engineering can advise sources of suitable packaging materials to meet this attachment, if required. This attachment, with its terms and conditions, is an integral part of this purchase order.