



CHAPTER 10 JEWEL BOXES

Introduction

Design and Materials

Device Count per Jewel Box

INTRODUCTION

Jewel box device carriers are available for for all JEDEC English plastic quad flat packages (i.e., PQB). The jewel box was designed to provide smaller pack increments while providing the same high-quality protection for product during handling and shipping.

DESIGN AND MATERIALS

The jewel box is fitted with an insert that holds the devices in place and protects them from mechanical damage. Devices are placed in the jewel box so that the device pin-one location is uniformly oriented, as shown in *Figure 10.2*.

The jewel box is made of a conductive, carbon-filled polypropylene, and the insert is made of black, dissipative BPI-10 plastic. These materials, coupled with the dissipative black foam cushion pad the fits inside the cover, protect product from electrical and mechanical damage.

The table shown below provides the maximum quantity of parts per jewel box for each available leadcount. Jewel box orders are filled on a build-to-order basis only. Contact your AMD sales representative for more information.

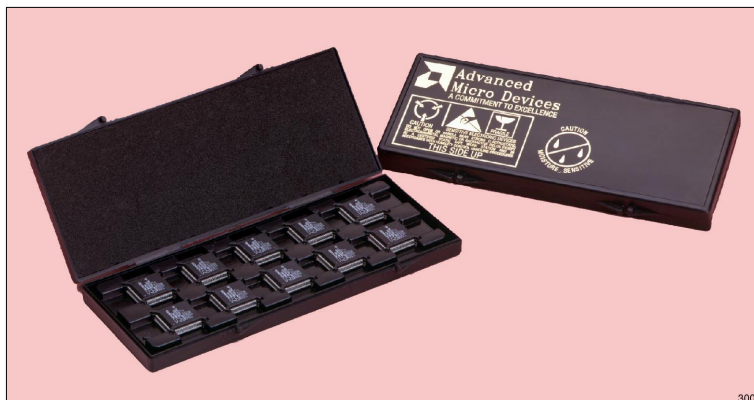


Figure 10.1 Jewel boxes, as a special pack option, are available for AMD's JEDEC English (PQB) PQFP packages.

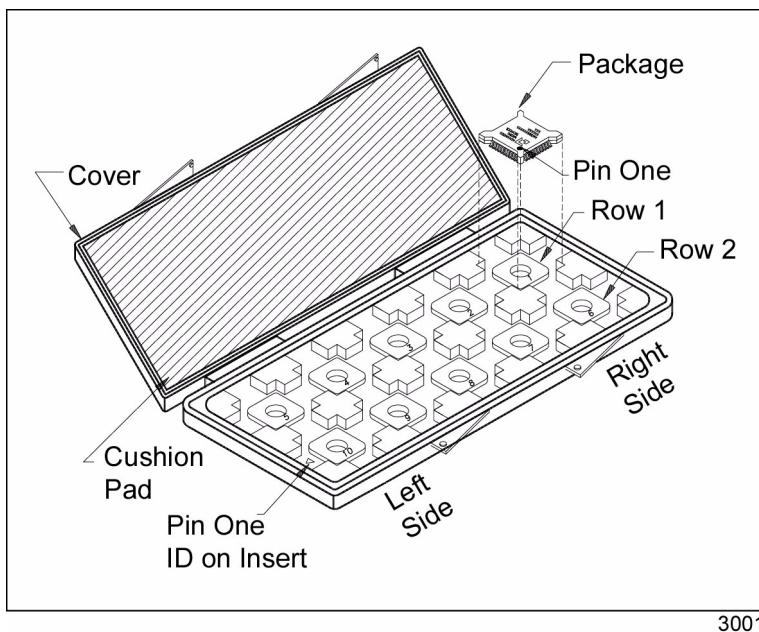


Figure 10.2 Devices are loaded into the jewel box such that their pin-one location is uniformly oriented.

Device Count per Jewel Box

Package	Leadcount	Quantity per Jewel Box
English Plastic Quad Flat Package (PQB)	100	10
	132	

Note:

- 1 There is one jewel box per dry pack bag and, for shipment, three dry pack bags are packed in a tray box.