

Introduction

A tape-and-reel packing container is available for plastic leaded chip carriers (PLCC), small outline integrated circuits (SOIC), shrunk small outline packages (SSOP) and thin quad flat pack (TQFP) packages to protect the product from mechanical/electrical damage and to provide an efficient method for handling. Lattice's tape-and-reel containers are shipped in full compliance with Electronics Industry Association Standard EIA-RS481.

Lattice's Tape-and-Reel Procedures

The tape-and-reel packing system consists of a pocketed carrier tape loaded with one device per pocket. A protective cover tape seals the carrier tape and holds the devices in the pockets. Once loaded, the tape is wound onto a plastic reel for labeling and packing. A full reel holds a maximum quantity of devices depending on the package size. Lattice requires ordering in full reel quantities as discussed in Table 1.

Custom marking of devices prior to mounting on tape-and-reel is available upon request.

Table 1. Tape-and-Reel Quantities, Dimensions and Ordering Information

Package	Pin Count	Carrier Tape Dimensions		Quantity Per Reel	Minimum Order Quantity	Minimum Order Increment
		Width	Pitch			
PLCC	20	16mm	12mm	1000	3000	1000
	28	24mm	16mm	750	3000	750
	44	32mm	24mm	500	3000	500
	68	44mm	32mm	250	3000	250
	84	44mm	36mm	250	3000	250
SOIC	20	24mm	12mm	1000	3000	1000
	24	24mm	12mm	1000	3000	1000
SSOP	28	16mm	12mm	1500	3000	1500
TQFP	44	24mm	16mm	1500	3000	1500
	48	16mm	12mm	2000	4000	2000
	100	24mm	20mm	1000	3000	1000