

Tape and Reel Specifications

A tape-and-reel packing container is available for plastic leaded chip carriers to protect the product from mechanical/ electrical damage and to provide an efficient method for handling. Lattice Semiconductor's tape-and-reel containers are shipped in full compliance with Electronics Industry Association Standard EIA-RS481.

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. A full reel holds a maximum quantity of devices depending on the package size. Lattice Semiconductor requires ordering in full reel quantities. Once loaded, the tape is wound onto a plastic reel for labeling and packing.

Any GAL or pLSI device (non-ISP) must be factory programmed (pre-patterned). Custom marking of devices prior to mounting on tape-and-reel is available upon request.

TAPE-AND-REEL QUANTITIES AND DIMENSIONS

Package	Pin Count	Carrier Tape Dimensions		Quantity Per 13 Inch Reel
		Width	Pitch	
PLCC	20-pin	16mm	12mm	1000
	28-pin	24mm	16mm	750
	44-pin	32mm	24mm	500
	68-pin	44mm	32mm	250
	84-pin	44mm	36mm	250
TQFP	44-pin	24mm	16mm	500
	48-pin	16mm	12mm	1000
	100-pin	32mm	24mm	350
	128-pin	32mm	24mm	350
	176-pin	44mm	40mm	200
PQFP	128-pin	44mm	40mm	200
	160-pin	44mm	40mm	200
MQFP	160-pin	44mm	40mm	200
	208-pin	44mm	40mm	200



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November 1996
