



# Integrated Device Technology, Inc.

6024 Silver Creek Valley Road  
San Jose, CA 95138 USA

## Manufacturing Bulletin

Date: June 29, 2015

Subject: EIA-481-E Taping of Surface Mount Components for Automated Handling – Update for Rev E

This notification is to address IDT’s compliancy with EIA-481-E. We have reviewed this industry standard and are in full compliance with the exception of some of the square QFP and QFN packages. Table 1 lists the packages and current orientation of Pin 1, which is in Quadrant 1, while the EIA-481-E requires orientation of Pin 1 in Quadrant 2.

Refer to Figure 1 and Figure 2 in Attachment 1 for an illustration of the Tape and Reel loading for Pin 1 orientation.

**Table 1: Pin 1 Orientation in Tape & Reel – IDT standard based on EIA-481-C**

Package Type	IDT Package Type	EIA-481-E	IDT Standard
QFP	TQFP (Square)	Quadrant 2	Quadrant 1
	PTQFP (Square)	Quadrant 2	Quadrant 1
	PQFP (Square)	Quadrant 2	Quadrant 1
QFN	VFQFPN (Square)	Quadrant 2	Quadrant 1
	COL (Square)	Quadrant 2	Quadrant 1

As provided in an earlier Manufacturing Bulletin regarding EIA-481-D, IDT will continue to provide for EIA-481-C compliance.

Changing Pin 1 orientation for these packages in order to comply with Rev D or E would be disruptive to the majority of our customers who have received shipments with this orientation in the past.

IDT will offer a special orderable part# with “/W” or “#” (if part number is space constrained) suffix added to the existing part#. This will provide for shipments in Tape & Reel with pin 1 orientated in Quadrant 2 for the packages listed in Table 1. This special part # will be available upon request.

Please contact your IDT sales representative if you have any additional questions concerns.

Yours sincerely,

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**Manufacturing Bulletin – Attachment 1**

Tape & Reel Loading Orientation per IDT Standard ---> Pin 1 in Quadrant 1

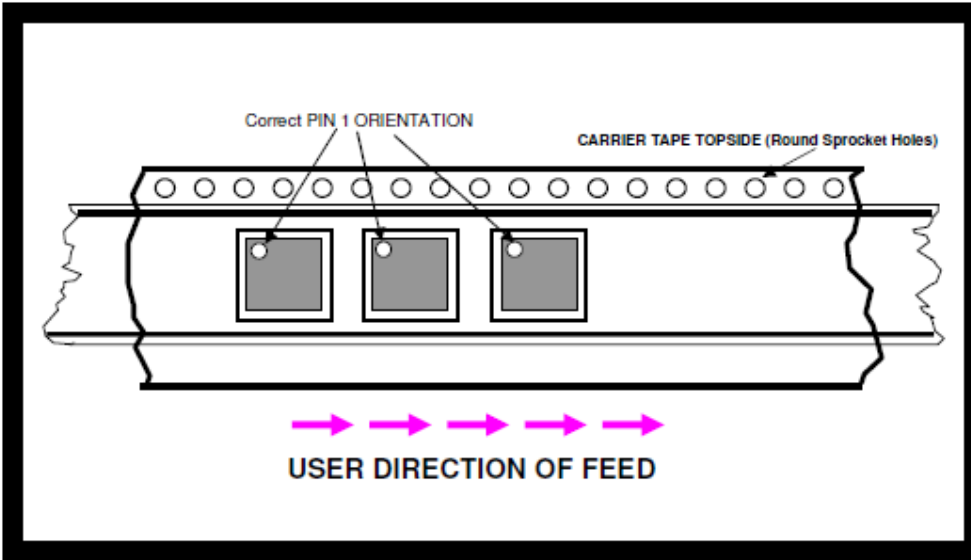


Figure 1

Tape & Reel Loading Orientation per EIA-481 rev E---> Pin 1 in Quadrant 2

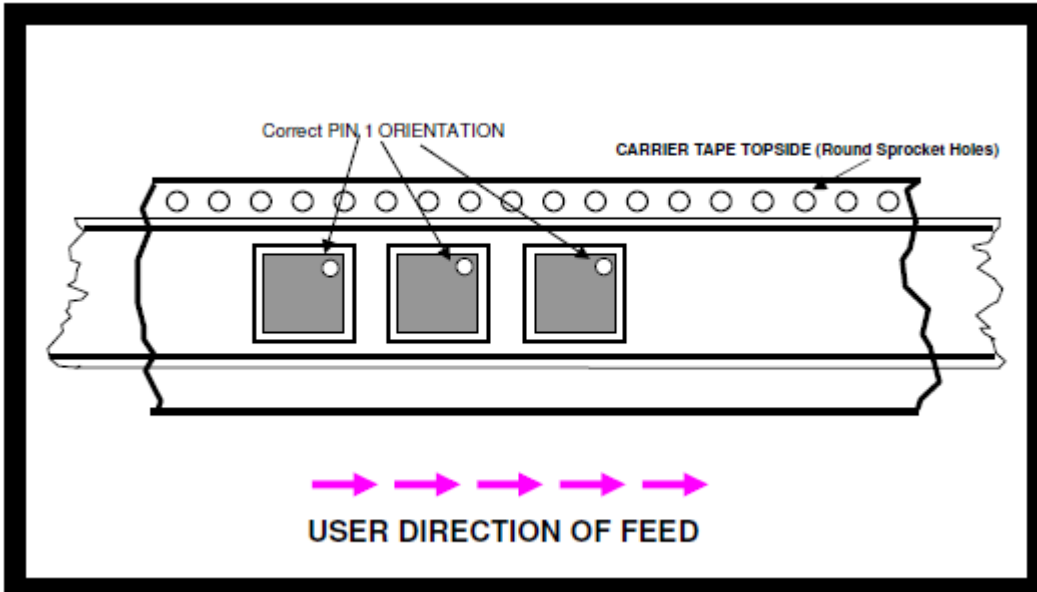


Figure 2