



Integrated Device Technology, Inc.

6024 Silver Creek Valley Road
San Jose, CA 95138 USA

Manufacturing Bulletin

Date: November 4, 2011

Subject: EIA-481-D Taping of Surface Mount Components for Automated Handling.

This notification is to address IDT compliancy with EIA-481-D. We have completed the study between IDT's current component orientation of Pin 1 in Tape and Reel packing and the orientation specification EIA-481-D. IDT complies with EIA-481-D except for 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-D 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.

Pin 1 Orientation in Tape & Reel

Package Type	IDT Package Type	EIA-481-C	EIA-481-D	IDT Standard	Note
QFP	TQFP (Square)	Quadrant 1	Quadrant 2	Quadrant 1	select products in Quadrant 2
	PTQFP (Square)	Quadrant 1	Quadrant 2	Quadrant 1	
	PQFP (Square)	Quadrant 1	Quadrant 2	Quadrant 1	
QFN	VFQFPN (Square)	Quadrant 1	Quadrant 2	Quadrant 1	select products in Quadrant 2
	COL (Square)	Quadrant 1	Quadrant 2	Quadrant 1	

Table 1

Changing Pin 1 orientation for these packages in order to comply with Rev D would be disruptive to the majority of our customers who have received shipments with this orientation in the past 4 years.

IDT will offer a special orderable part# (with "/W" suffix added to the existing part#) to 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 sales representative if you have any additional questions or concerns.

Yours sincerely,

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Manufacturing Bulletin – Attachment 1

Tape & Reel Loading Orientation per EIA-481C ---> Pin 1 in Quadrant 1

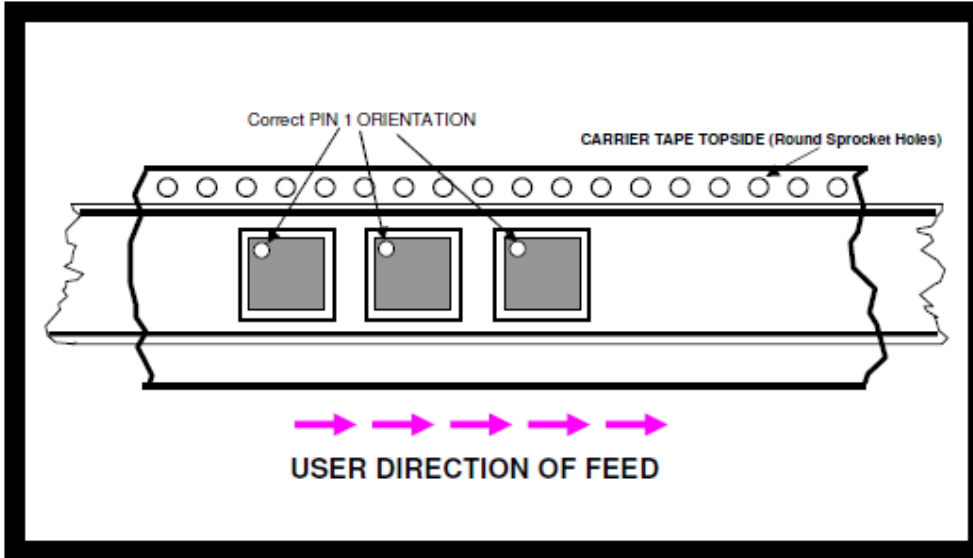


Figure 1

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

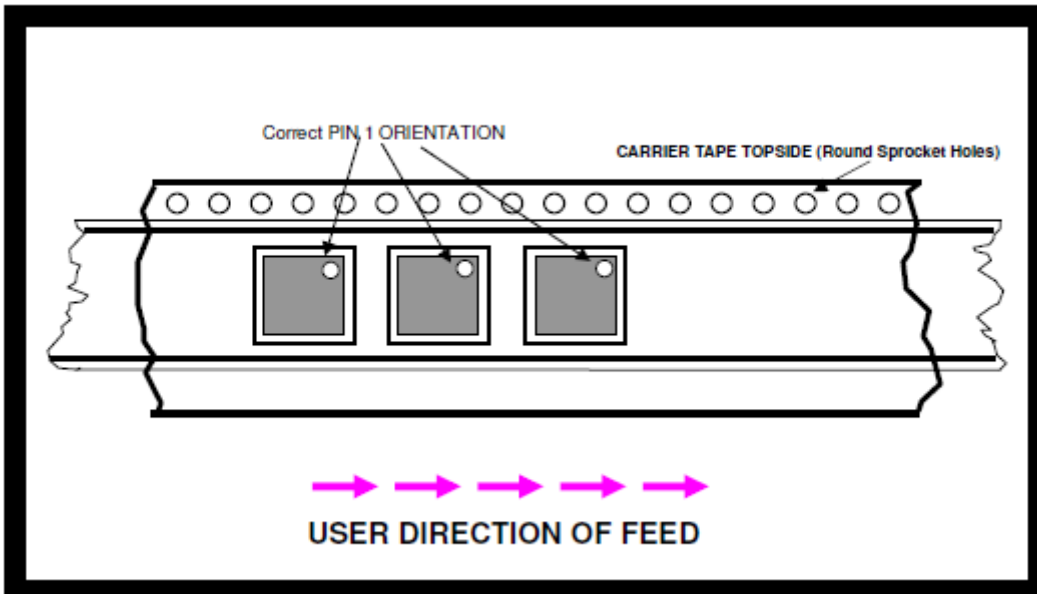


Figure 2