



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,

LS Koay
Manager, Product Assurance
Integrated Device Technology (Malaysia) Sdn Bhd.
lskoay@idt.com
Tel. # (604) 613-2283 (Malaysia)



Manufacturing Bulletin – Attachment 1

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

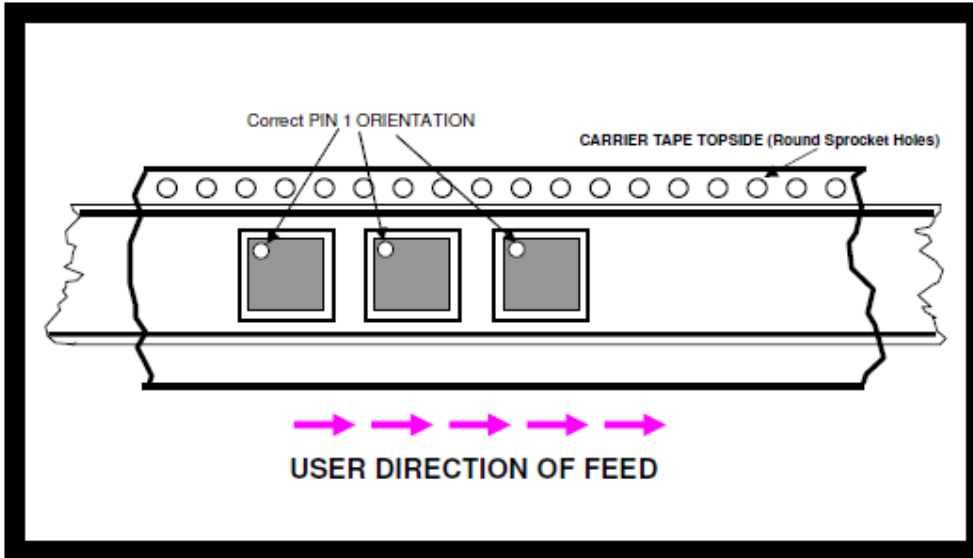


Figure 1

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

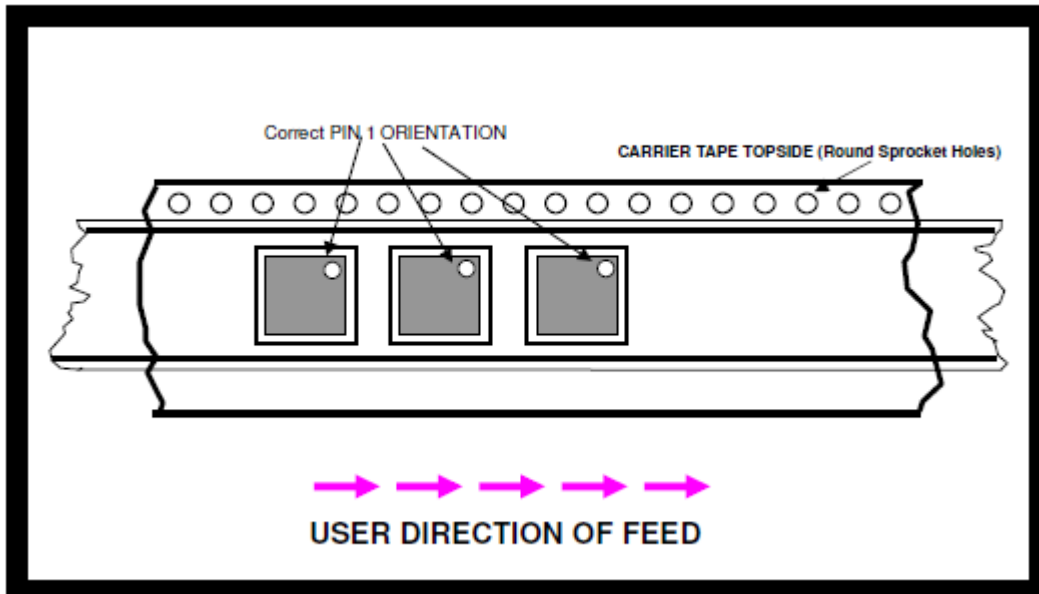


Figure 2