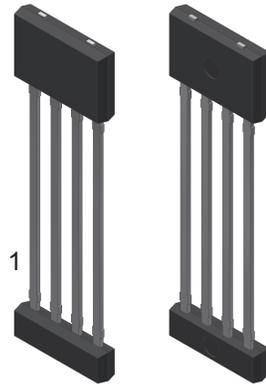
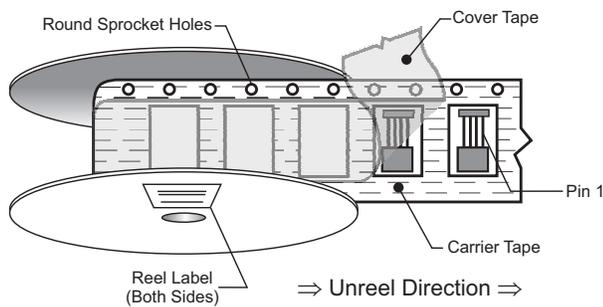


## KT-4 Package, TN Suffix

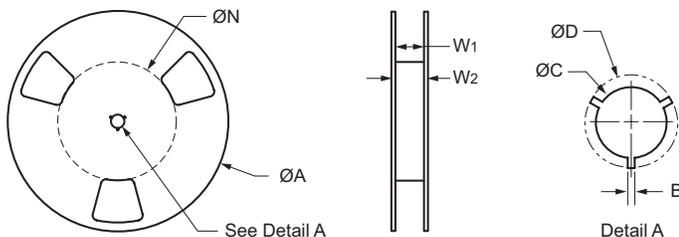


Terminals: 4  
 Straight  
 Untrimmed  
 Unformed (flat)  
 Non-JEDEC Standard



- Embossed tape and reel
- 4000 devices per 13 in. reel
- 25 min. trailer pockets
- 55 min. leader pockets
- Branded face outward
- Device body on left side
- Elongated sprocket holes on left side
- Pin 1 on leading device edge

Leader pockets are the first off the reel when the tape is unreeled for dispensing devices. Trailer pockets are the last pockets off the reel when unreeled for dispensing devices.

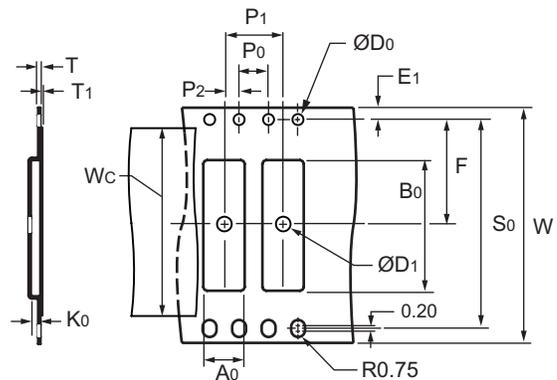


Access hole and hub configuration may vary at supplier discretion within limits shown

### Dimensions in mm

Type	A	B	C	D	N
Plastic 13 in.	330 (Nom)	1.5 (Min)	13 <sup>+0.5</sup> <sub>-0.2</sub>	20.2 (Min)	102 (Nom)
<b>W<sub>1</sub> (inside, at Hub)</b>			32.4 (Min)		
<b>W<sub>2</sub> (outside, at Hub)</b>			38.4 (Max)		

Reference EIA 481

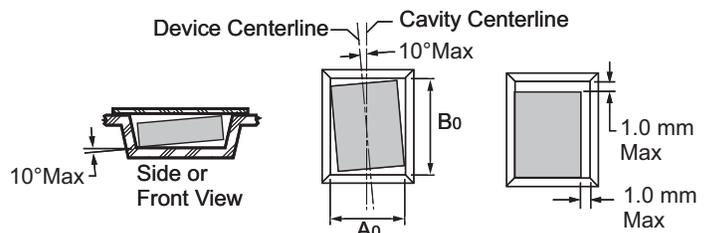


### Dimensions in mm, may vary with supplier

Carrier Tape			Cover Tape
W: 32.00 ±.3	D <sub>0</sub> : 1.50 <sup>+1/-0</sup>	A <sub>0</sub> : 5.60	W <sub>C</sub> : 25.5
E <sub>1</sub> : 1.75 ±.1	P <sub>0</sub> : 4.00 ±.1	B <sub>0</sub> : 17.70	T <sub>1</sub> : 0.061 (0.1 MAX)
F: 14.20 ±.1	P <sub>1</sub> : 8.00 ±.1	K <sub>0</sub> : 1.30	
T: 0.30 (0.1 MAX)	P <sub>2</sub> : 2.00 ±.1	D <sub>1</sub> : 2.00 MIN	
	S <sub>0</sub> : 28.40 ±.1		

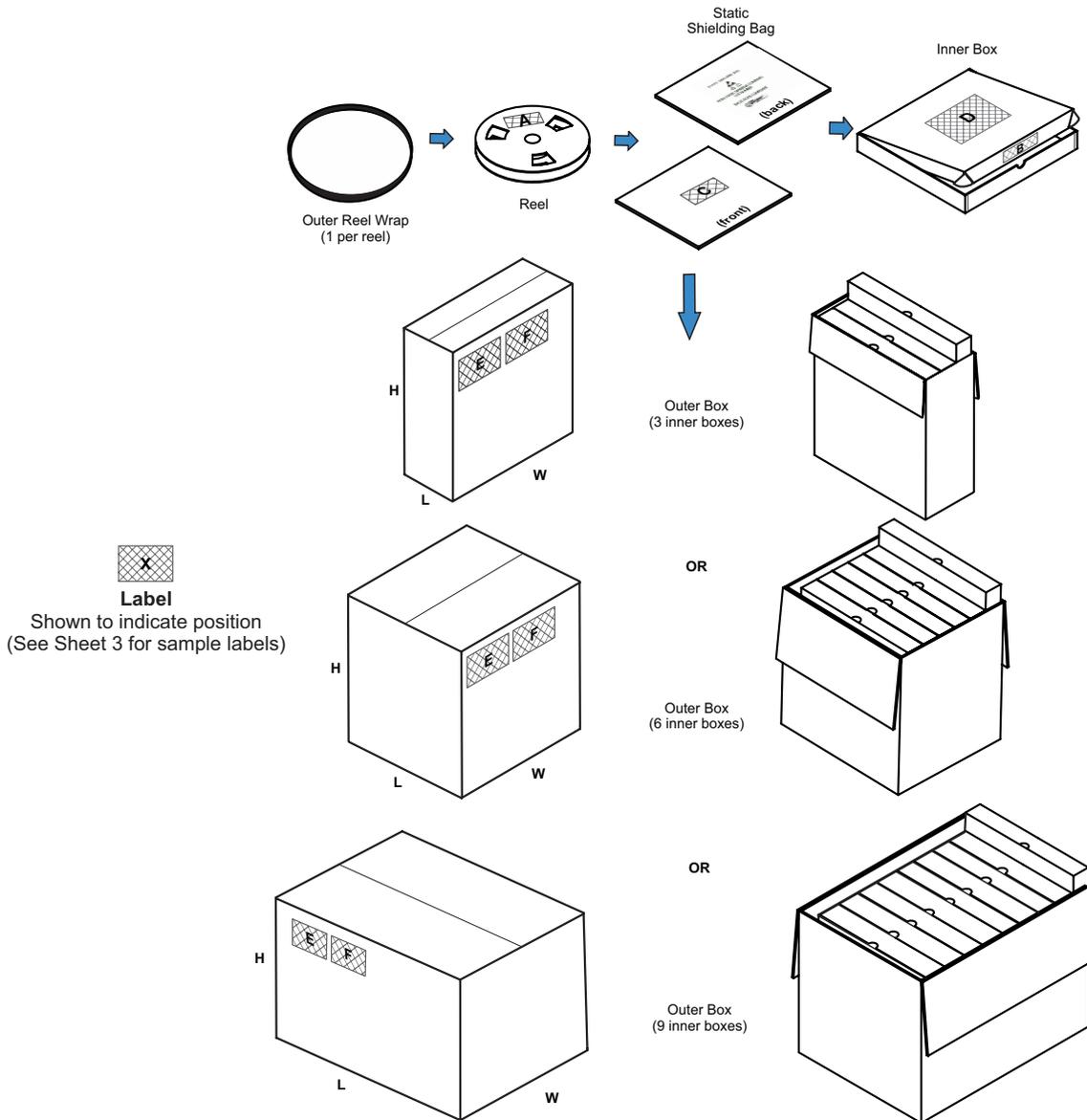
1. Pocket centerlines to cavity center, not to pocket detection hole.
2. A<sub>0</sub> and B<sub>0</sub> measured 0.3 mm above bottom of pocket.

Reference EIA 481



Reference EIA 481

## KT-4 Package, TN Suffix



### Carton Dimensions (mm)

Type	Length	Width	Height	Inner Carton Standard Quantity	Outer Carton Standard Quantity
TC17	364	348	56	4000	
TC18A	188	379	365		12000
TC18B	368	379	365		24000
TC17A	556	403	400		36000

\* Carton Details pertain only to Full Standard Increments. Partial orders will only be provided for samples or due to exceptional circumstances. Partial orders may not be packed according to Carton Details but may require protective filler, empty inner boxes or other packing modifications.

## KT-4 Package, TN Suffix

### Reel Production Label [A]

1.125in x 4in



Part (P) A123456XXX-XXXXXXXX-XXXXXXXX  
 Mfr PN (1P) A123456-XXXX-XXXX  
 Qty (Q) 1000  
 Lot (1T) 1234567XXXX Qty (1Q) 1000  
 Lot 2 (2T) N/A Qty (2Q) 0

**ALLEGRO** microsystems MS-Level (13E) N  
 Reel \_\_\_\_\_ Date (12D) 2019-01-01 

### Box Flap Label [B]

1.125in x 4in



Part (P) A123456XXX-XXXXXXXX-XXXXXXXX  
 Mfr PN (1P) A123456-XXXX-XXXX  
 Qty (Q) 1000  
 Lot (1T) 1234567XXXX Qty (1Q) 1000  
 Lot 2 (2T) N/A Qty (2Q) 0

**ALLEGRO** microsystems MS-Level (13E) N  
 Date (12D) 2019-01-01 

### 1D Production Label [C]

2.5in x 3.75in

00000000

Allegro MicroSystems  
 Manchester, NH 03103 USA

**ALLEGRO** microsystems

Cust PN: 999999XXX-XXX99999XX\_000000000

Mfr PN: 999999XXX-XXX99999XX\_000000000

Alg In: 000000XXX-XXX00000XX

Lot 1: 1234567XXXX Qty 1: 10000  
 Lot 2: 1234567XXXX Qty 2: 5000  
 D/C: 1234 Total Qty: 15000




### Inner Carton Label [D]

4in x 6.5in

**ALLEGRO** microsystems Manchester, NH 03103, USA (4L) Made In United States

(P) Customer Part A12345XXX-XXXXXXXX-00000000 (1K) Sales Order 00000000  
 (1P) Manufacturer Part A12345XXX-XXXXXXXX-00000000 (9D) Date Code 1234  
 (1T) Lot 1234567XXXX (Q) Quantity 100000  
 (K) Purchase Order 000000000-000000000 (16K) Delivery 00000000


### Outer Carton Label [E]

4in x 6.5in

**ALLEGRO** microsystems Manchester, NH 03103, USA (4L) Made In United States

(P) Customer Part A12345XXX-XXXXXXXX-00000000 (1K) Sales Order 00000000  
 (1P) Manufacturer Part A12345XXX-XXXXXXXX-00000000 (Q) Quantity 100000  
 (K) Purchase Order 000000000-000000000 (16K) Delivery 00000000


### Outer Carton Address Label [F]

4in x 6.5in

Allegro Microsystems  
 955 Perimeter Rd  
 Manchester, NH 03103  
 United States

**ALLEGRO** microsystems

Ship To (Shipping Mark):  
 Allegro MicroSystems  
 ATTN: Corporate Label Team  
 955 Perimeter Rd  
 Manchester, NH 03103



Package 1 / 1

\* Label examples are shown for content purposes only. Labels are not shown to scale. Given label dimensions are approximate. As required, the necessary compliance symbols on the labels will meet the ship to country regulations.

## *KT-4 Package, TN Suffix*

### Revision History

Revision No.	Date	ECN No.	Description
OI	07/22/2016	--	ORIGINAL RELEASE
1	12/20/2017	CR-2017-04704	ADD OUTER CARTON ADDRESS LABEL. ADD LABEL DIMENSIONS. UPDATE PACKAGE ILLUSTRATION.
2	5/1/2019	CR-2019-02072	UPDATE ORIENTATION GRAPHIC. ADD EIA STANDARD TOLERANCES. UPDATE PACKING GRAPHIC. UPDATE LABEL GRAPHICS. UPDATE COPYRIGHT DATE AND ALLEGRO ADDRESS. UPDATE LOGO.

This document provides reference information that can be used to identify leadform and packing options offered by Allegro MicroSystems. This information is for reference only, and not for tooling use. This information is subject to change without notice. Packing and labelling for shipment may vary with device type, quantities, and other conditions; specifications may vary with contract terms and availability.

Packing options vary according to the individual device being offered. Refer to the device datasheet (visit our website at: [www.allegromicro.com](http://www.allegromicro.com)) for a listing of packing options for that device. Not all options are available for any particular package designation or device type, and provision of certain configurations may be subject to minimum volume or NCNR (nuncancellation, nonreturn) limitations. Contact your local Allegro field service representative for additional information.

For more information on the physical appearance of device packages and leadforms, refer to the device datasheet or the application note [Allegro Package Designations](#) on the Allegro website.

When applicable, references are provided to industry standards, such as for tape and reel specifications standard package outline designations. These references are provided for informational purposes only, and do not necessarily indicate full conformity with that standard in all respects.

No dimensional tolerances are guaranteed or implied for bulk packing.

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