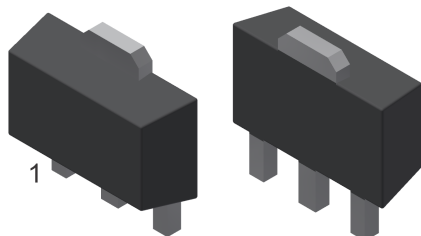
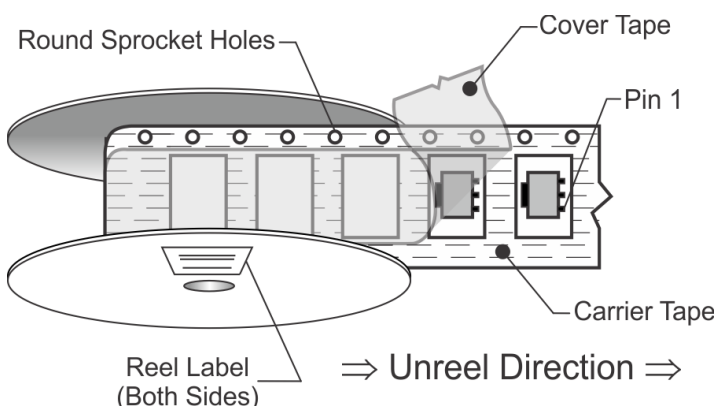


# Packing Information

## LT-3 Package, TK Suffix

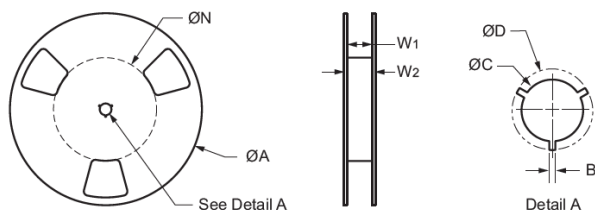


Terminals: 3  
1.50 mm pin pitch  
Pins flat lug  
SOT89  
JEDEC TO-243AA



- Embossed tape and reel
- 4000 devices per 13 in. reel
- 20 min. trailer pockets
- 20 min. leader pockets

- Branded face outward
- Pin 1 on leading device edge

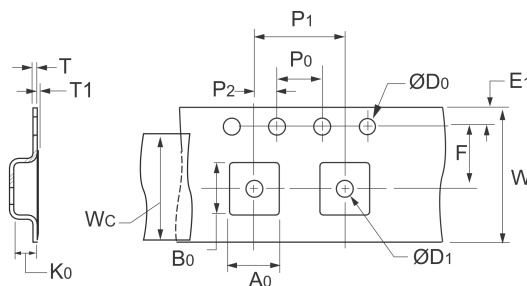


Access hole and hub configuration may vary at supplier discretion within limits shown

### 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>			12.4 (Min)		
<b>W<sub>2</sub> (outside, at Hub)</b>			18.4 (Max)		

Reference EIA 481

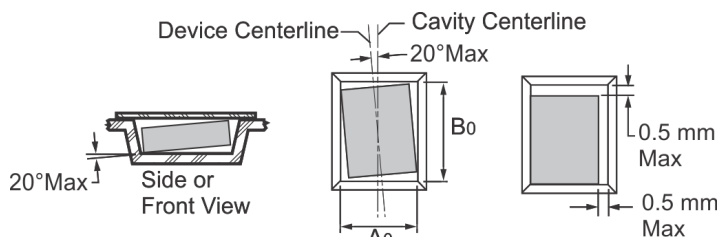


Dimensions in mm, may vary with supplier

Carrier Tape			Cover Tape
W: 12.00 ±1	D <sub>0</sub> : 1.50 +1/-0	A <sub>0</sub> : 3.4	W <sub>C</sub> : 9.1 T <sub>1</sub> : 0.061 (0.1 MAX)
E <sub>1</sub> : 1.75 ±1	P <sub>0</sub> : 4.00 ±1	B <sub>0</sub> : 3.2	
F: 5.5 ±0.5	P <sub>1</sub> : 8.00 ±1	K <sub>0</sub> : 1.4	
T: 0.30 (0.6 MAX)	P <sub>2</sub> : 2.00 ±0.5	D <sub>1</sub> : 1.5 MIN	

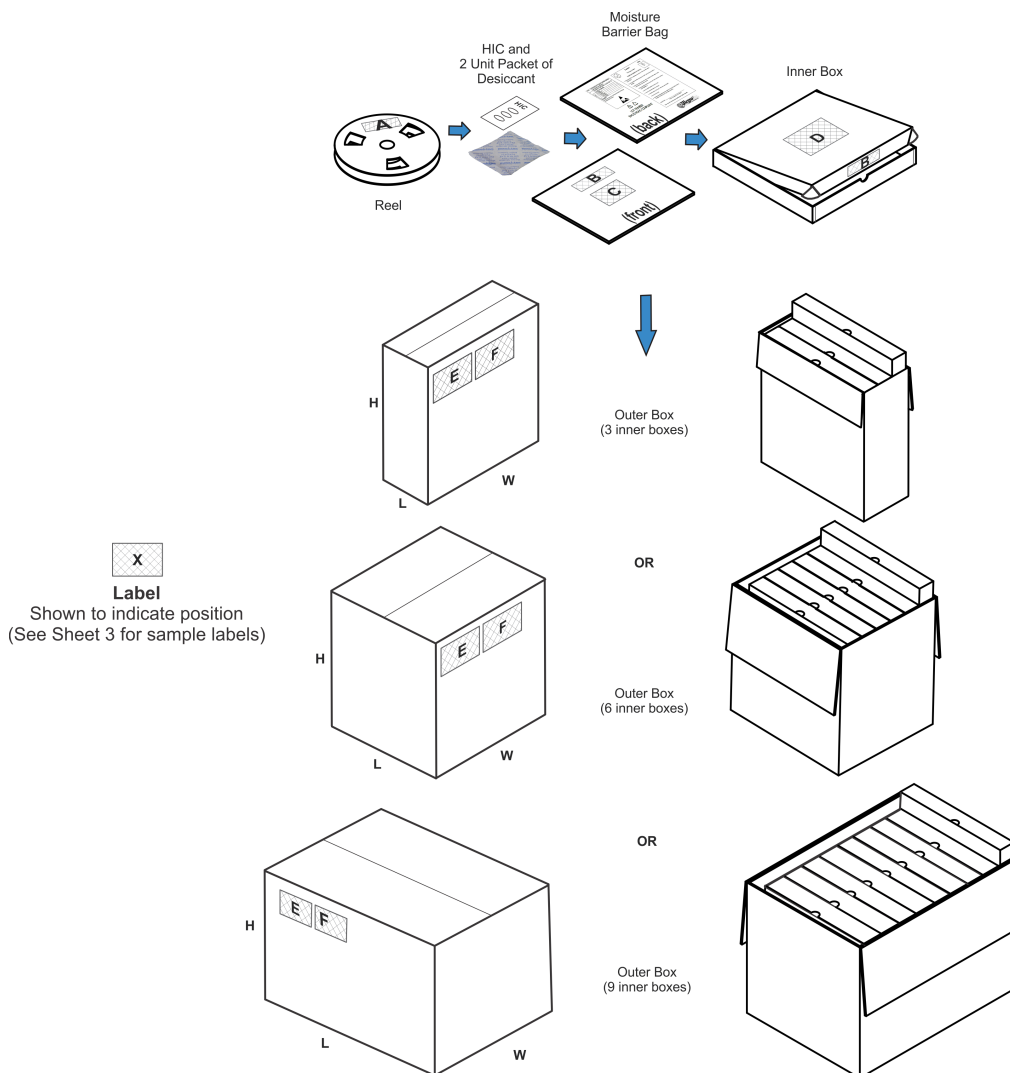
1. Pocket centerlines to cavity center, not to pocket detection hole.
2. A<sub>0</sub> and B<sub>0</sub> measured 0.3mm above bottom of pocket.

Reference EIA 481



Reference EIA 481

## LT-3 Package, TK Suffix




Carton Dimensions (mm)

Type	Length	Width	Height	Inner Carton Standard Quantity	Outer Carton Standard Quantity
TC17	364	348	56	4000	--
TC18A	379	188	365	--	12000
TC18B	379	368	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.

## LT-3 Package, TK Suffix


**Reel Production Label [A]**  
28.58mm x 101.6mm

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



Moisture Sensitive Device  
Peak Reflow 260°C

**ALLEGRO** microsystems MS-Level (13E) 2  
Reel \_\_\_\_\_ Date (12D) 2019-01-01  



**Box Flap Label [B]**  
28.58mm x 101.6mm

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

Moisture Sensitive Device  
Peak Reflow 260°C

**ALLEGRO** microsystems MS-Level (13E) 2  
Reel \_\_\_\_\_ Date (12D) 2019-01-01  




**1D Production Label [C]**  
63.5mm x 101.6mm

Allegro MicroSystems Manchester, NH 03103 USA		
Cust PN: 999999XXX-XXX99999XX_000000000		
Mfr PN: 999999XXX-XXX99999XX_000000000		 <b>US</b>
Alg In: 000000XXX-XXX00000XX		
Lot 1: 1234567XXX	Qty 1: 10000	
Lot 2: 1234567XXX	Qty 2: 5000	
D/C: 1234	Total Qty: 15000	

Bag




**Inner Carton Label [D]**  
101.6mm x 165.1mm

<b>ALLEGRO</b> microsystems Allegro MicroSystems Manchester, NH 03103, USA		(4L) Made In United States
(P) Customer Part A12345XXXX-XXXXXXXXXX-000000000	(1K) Sales Order 00000000	
(1P) Manufacturer Part A12345XXXX-XXXXXXXXXX-000000000	(9D) Date Code 1234	
(1T) Lot 1234567XXX	(Q) Quantity 100000	
(K) Purchase Order 0000000000-0000000000	(16K) Delivery 00000000	

    
Br. Cl. F. I

**Outer Carton Label [E]**  
101.6mm x 165.1mm

<b>ALLEGRO</b> microsystems Allegro MicroSystems Manchester, NH 03103, USA		(4L) Made In United States
(P) Customer Part A12345XXXX-XXXXXXXXXX-000000000	(1K) Sales Order 00000000	
(1P) Manufacturer Part A12345XXXX-XXXXXXXXXX-000000000	(Q) Quantity 100000	
(K) Purchase Order 0000000000-0000000000	(16K) Delivery 00000000	

    
Br. Cl. F. I

**Outer Carton Address Label [F]**  
101.6mm x 165.1mm

Allegro MicroSystems, LLC 955 Perimeter Rd Manchester, NH 03103 United States	<b>ALLEGRO</b> microsystems
Ship To (Shipping Mark): <b>Allegro MicroSystems, LLC</b> <b>ATTN: Corporate Label Team</b> <b>955 Perimeter Rd</b> <b>Manchester, NH 03103</b>	
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.

## LT-3 Package, TK Suffix

### Revision History

Revision No.	Date	ECN No.	Description
0	2018-02-08	OI	ORIGINAL ISSUE
1	2019-04-22	CR-2019-01711	UPDATE ORIENTATION GRAPHIC. ADD EIA STANDARD TOLERANCES. UPDATE PACKING GRAPHIC. UPDATE LABEL GRAPHICS. UPDATE COPYRIGHT DATE AND ALLEGRO ADDRESS. UPDATE LOGO.
2	2021-04-29	CR-2021-01239	UPDATE TO NEW LAYOUT.

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 (noncancellation, 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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**Allegro MicroSystems**  
955 Perimeter Road  
Manchester, New Hampshire 03103-3353  
U.S.A.  
1.603.626.2300 | [www.allegromicro.com](http://www.allegromicro.com)