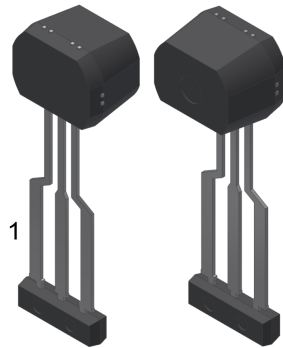
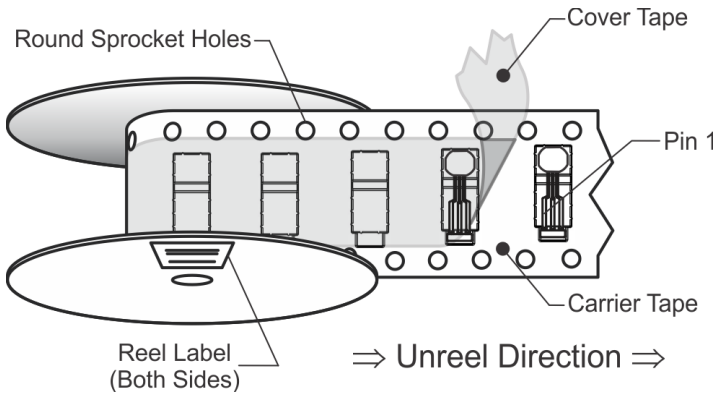


Packing Information

SP-3 Package, TN Suffix

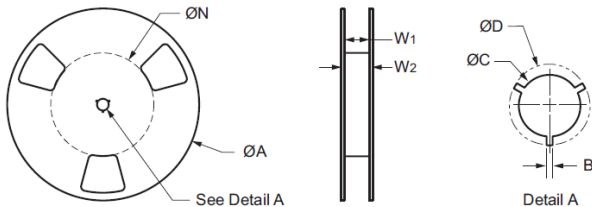


Terminals: 3
Non JEDEC standard



- Embossed tape and reel
- 800 devices per 13 in. reel
- 25 min. trailer pockets
- 75-80 leader pockets

- Branded face outward
- Pin 1 on trailing device edge

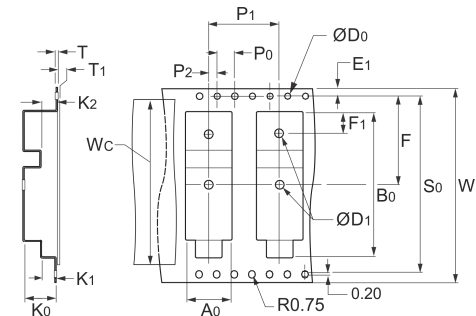


Access hole and hub configuration may vary at supplier discretion within limits shown

Dimensions in mm

Type	A	B	C	D	N
Plastic 13 in.	330 (Nom)	1.5 (Min)	13 ^{+0.5} _{-0.2}	20.2 (Min)	102 (Nom)
W₁ (inside, at Hub)			44.4 (Min)		
W₂ (outside, at Hub)			50.4 (Max)		

Reference EIA 481

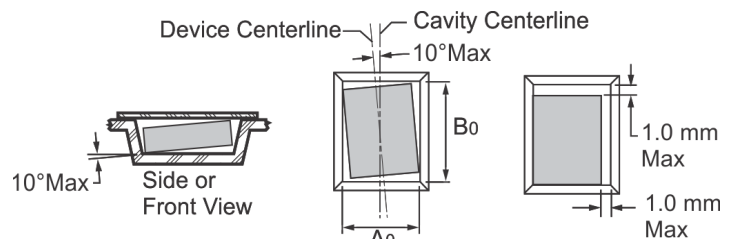


Dimensions in mm, may vary with supplier

Carrier Tape			Cover Tape
W: 44.00 ±3	D ₀₁ : 1.50 ±0.1	A ₀ : 8.00	W ₀ : 37.50 T ₀ : 0.061 (0.1 MAX)
E ₁ : 1.75 ±1	P ₀ : 4.00 ±1	B ₀ : 20.00	
F: 20.20 ±15	P ₁ : 12.00 ±1	K ₁ : 5.30	
T: 0.35 (0.4 MAX)	P ₂ : 2.00 ±15	K ₂ : 2.30	
	S ₀ : 40.40 ±1	D ₁ : 2.00 MIN	

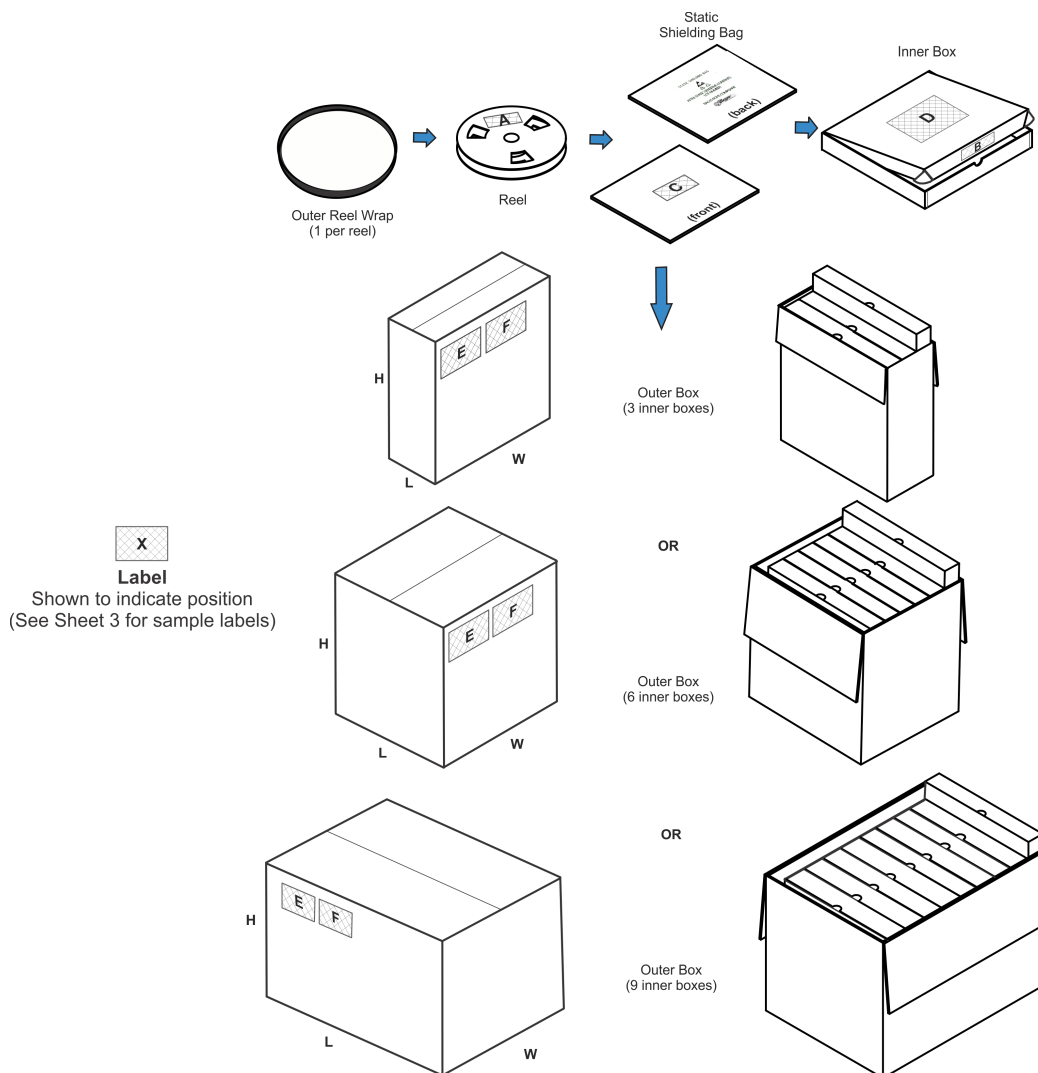
1. Pocket centerlines to cavity center, not to pocket detection hole.
2. A₀ and B₀ measured 0.3mm above bottom of pocket.

Reference EIA 481



Reference EIA 481

SP-3 Package, TN Suffix



Carton Dimensions (mm)


Type	Length	Width	Height	Inner Carton Standard Quantity	Outer Carton Standard Quantity
TC17	364	348	56	800	--
TC18A	379	188	365	--	2400
TC18B	379	368	365	--	4800
TC17A	556	403	400	--	7200

* 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.



SP-3 Package, TN Suffix


Reel Production Label [A]
28.58mm x 101.6mm

Moisture Barrier Bag/ Box Flap Label [B]
28.58mm x 101.6mm



	Part (P)	A123456XXX-XXXXXXXX-XXXXXXXX		
	Mfr PN (1P)	A123456-XXX-XXX		
	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  

	Part (P)	A123456XXX-XXXXXXXX-XXXXXXXX		
	Mfr PN (1P)	A123456-XXX-XXX		
	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





Inner Carton Label [D]
101.6mm x 165.1mm


Allegro MicroSystems
Manchester, NH 03103 USA


Cust PN: 999999XXX-XXX99999XX_000000000



Mfr PN: 999999XXX-XXX99999XX_000000000





Alg In: 000000XXX-XXX00000XX


Lot 1: 1234567XXX 	Qty 1: 10000 
Lot 2: 1234567XXX 	Qty 2: 5000 









D/C: 1234



Total Qty: 15000







Allegro MicroSystems
Manchester, NH 03103, USA (4L) Made In United States

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










  





Outer Carton Label [E]
101.6mm x 165.1mm

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

Allegro MicroSystems
Manchester, NH 03103, USA (4L) Made In United States


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



Allegro MicroSystems, LLC
955 Perimeter Rd
Manchester, NH 03103
United States

Ship To (Shipping Mark):
Allegro MicroSystems, LLC
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.

SP-3 Package, TN Suffix

Revision History

Revision No.	Date	ECN No.	Description
0	2018-12-20	OI	ORIGINAL RELEASE
1	2021-01-06	CR-2021-00038	UPDATE LOGO. UPDATE LABEL GRAPHICS.

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) 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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