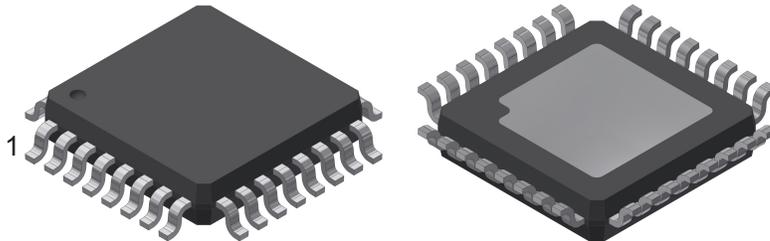
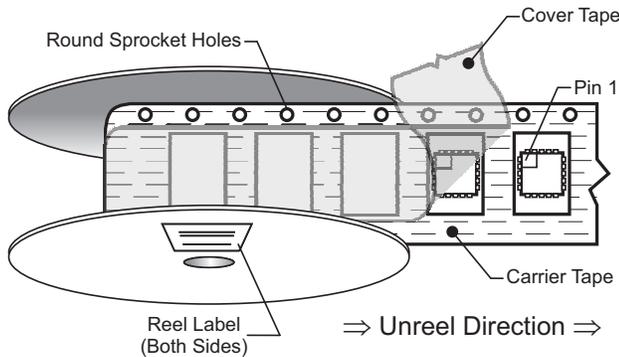


JP-32 Package, TR Suffix

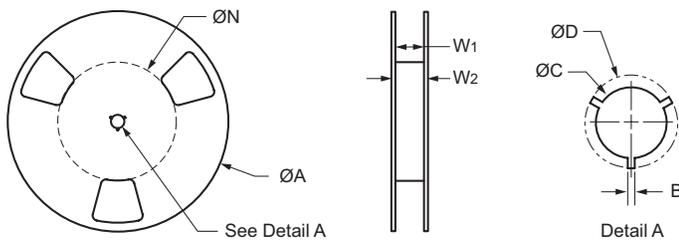


Terminals: 32, gull wing
 Square case, LQFP
 Exposed thermal pad
 JEDEC MS-026 BBAHD



- Embossed tape and reel
- 1500 devices per 13 in. reel
- 25 min. trailer pockets
- 75-80 leader pockets
- Pin 1 on trailing edge, sprocket hole side

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.

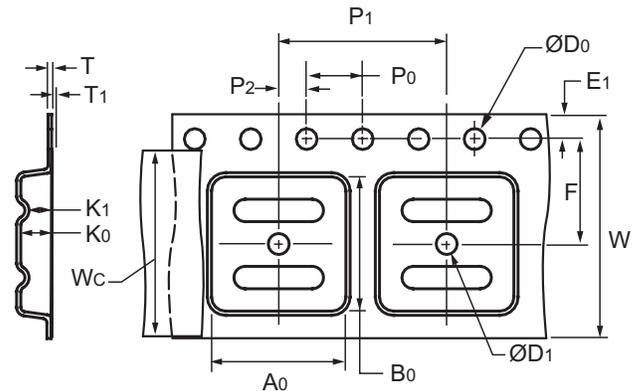


Access hole and hub configuration may vary at supplier discretion within limits shown

Dimensions in mm

Type	A	B	C	D	N
Plastic 13 in.	330 (Nom)	1.5 (Min)	13 ^{+0.5} _{-0.2}	20.2 (Min)	102 (Nom)
W₁ (inside, at Hub)			16.4 (Min)		
W₂ (outside, at Hub)			22.4 (Max)		

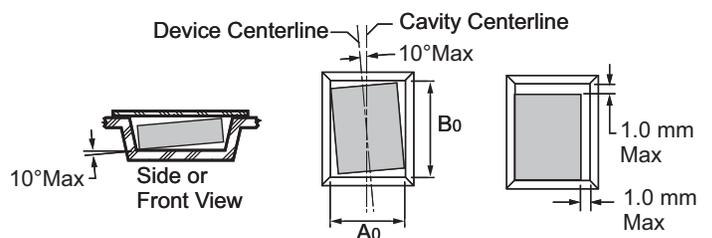
Reference EIA 481



Dimensions in mm, may vary with supplier

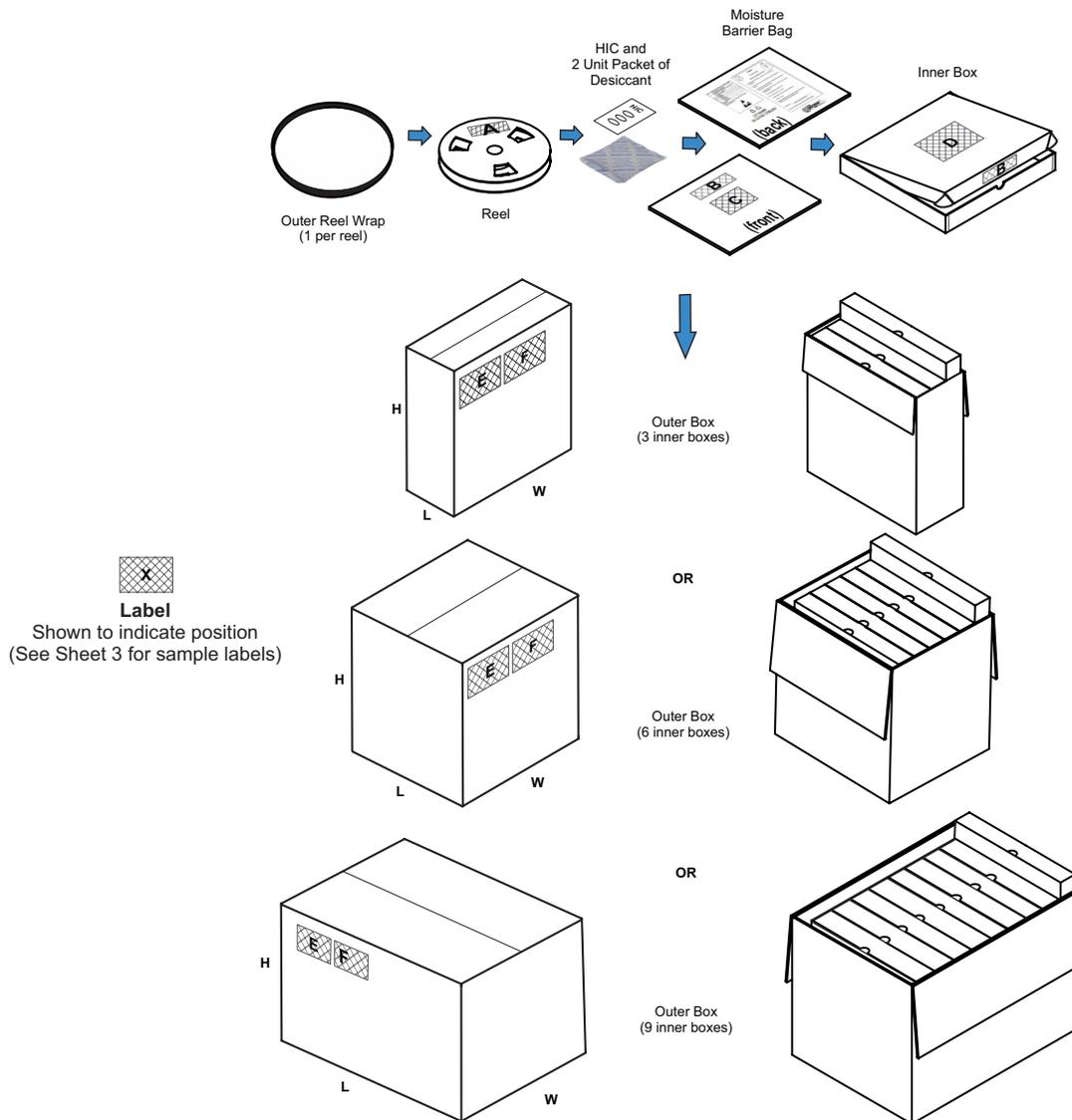
Carrier Tape			Cover Tape
W: 16.00 ±.3	D ₀ : 1.50 +.1/-0	A ₀ : 9.60	W _C : 13.1 T ₁ : 0.061 (0.1 MAX)
E ₁ : 1.75 ±.1	P ₀ : 4.00 ±.1	B ₀ : 9.60	
F: 7.50 ±.1	P ₁ : 8.00 ±.1	K ₀ : 2.20	
T: 0.30 (0.6 MAX)	P ₂ : 2.00 ±.1	K ₁ : 1.60	
		D ₁ : 1.50 MIN	

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



Reference EIA 481

JP-32 Package, TR Suffix



Carton Dimensions (mm)

Type	Length	Width	Height	Inner Carton Standard Quantity	Outer Carton Standard Quantity
TC17	351	364	56	1500	
TC18A	188	380	365		4500
TC18B	380	368	365		9000
TC17A	536	403	400		13500

* 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.

JP-32 Package, TR 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

Moisture Sensitive Device
 Peak Reflow 260°C

MS-Level (13E) 2
 Reel _____ Date (12D) 2019-01-01

Moisture Barrier Bag / 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

Moisture Sensitive Device
 Peak Reflow 260°C

MS-Level (13E) 2
 Date (12D) 2019-01-01

1D Production Label [C]

2.5in x 3.75in

00000000

Allegro MicroSystems
 Manchester, NH 03103 USA

Cust PN: 999999XXX-XXX99999XX_00000000

Mfr PN: 999999XXX-XXX99999XX_00000000

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

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.

JP-32 Package, TR Suffix

Revision History

Revision No.	Date	ECN No.	Description
0	6/06/2016	OI	ORIGINAL RELEASE
1	8/29/2016	CR-2016-02653	UPDATE LABEL FORMAT, CHANGE TITLE, ADD DISCLAIMER FOR COMPLIANCE SYMBOLS ON LABELS, ADD JP-32 PACKAGE.
2	1/11/2018	CR-2018-00180	REMOVE JP-48 PACKAGE FROM SHEET. UPDATE PACKAGE AND LABEL GRAPHICS. ADD DEVICE FITMENT GRAPHIC. ADD OUTER CARTON ADDRESS LABEL. ADD LABEL DIMENSIONS.
3	4/17/2019	CR-2019-00733	UPDATE ORIENTATION GRAPHIC. ADD STANDARD TOLERANCES. UPDATE PACKING GRAPHIC. UPDATE LABEL GRAPHICS. UPDATE COPYRIGHT DATE. UPDATE 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) 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.

Copyright ©2007-2019, Allegro MicroSystems

Allegro MicroSystems reserves the right to make, from time to time, such departures from the detail specifications as may be required to permit improvements in the performance, reliability, or manufacturability of its products. Before placing an order, the user is cautioned to verify that the information being relied upon is current.

Allegro's products are not to be used in life support devices or systems, if a failure of an Allegro product can reasonably be expected to cause the failure of that life support device or system, or to affect the safety or effectiveness of that device or system.

The information included herein is believed to be accurate and reliable. However, Allegro MicroSystems assumes no responsibility for its use; nor for any infringement of patents or other rights of third parties which may result from its use.

Allegro MicroSystems
955 Perimeter Road
Manchester, New Hampshire 03103-3353
U.S.A.
1.603.626.2300; www.allegromicro.com