LC Package
TR Packing

1

Terminals: 8
Gull-wing pins
Narrow body

SOIC8
Reference JEDEC MS-012AA

- Embossed tape and reel
- 3000 pieces per 13 in. reel
- 25 min. trailer pockets
- 55 min. leader pockets
- Branded face outward
- Pin 1 on trailing device 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)
W_1 (inside, at Hub)			12.4 (Min)		
W_2 (outside, at Hub)			18.4 (Max)		

Reference EIA 481

Dimensions in mm

Carrier Tape			Cover Tape
W: 12.00 E_1: 1.75 F: 5.5 T: 0.30	D_0: 1.50 P_0: 4.00 P_1: 8.00 P_2: 2.00	A_0: 6.70 B_0: 5.40 K_0: 2.10 D_1: 1.5	W_C: 9.3 T_1: 0.061

1. Pocket centerlines to cavity center, not to pocket detection hole.
2. A_0 and B_0 measured 0.3 mm above bottom of pocket.
3. Reference EIA 481.

Reference EIA 481

Carton Dimensions

Carton Dimensions (mm)

Type	Length	Width	Height
TC17	365	350	50
TC17A	545	410	400
TC17C	340	400	400
TC17D	170	400	400

Labels

Reel Production Label [A]

ALLEGRO MICROSYSTEMS PHILS INC
Cust PN xxxxxxxxxxxx
Mfr PN xxxxxxxxxxxx
Alg PN xxxxxxxxxxxx
LOT # 1 xxxxxxxxxxxx
LOT # 2 xxxxxxxxxxxx
D/C xxxx QTY xxxxx
Date Reeled xxxxx
Operator xxxxx [*xx*] OF [*xx*]

Inner Carton Label [B]

ALLEGRO MICROSYSTEMS PHILS INC
Cust PN: xxxxxxxxxxxx
Mfr PN: xxxxxxxxxxxx
Alg IN: xxxxxxxxxxxx
LOT #: xxxxxxxxxxxx
D/C: xxxx QTY: xxxxx
Pb Cat: e3 RoHS Compliant

Outer Carton Label [C]

DEL. #: xxxxxxxxxxxx
M.O. NO. xxxxxxxxxxxx
P.O. NO. xxxxxxx
Cust PN: xxxxxxxxxxxx
Mfr PN: xxxxxxxxxxxx
Alg IN: xxxxxxxxxxxx
QTY: xxxxxx
NO. OF PCS/BAG: xxxx NO. OF INNER CTN. xxxx
PACKED BY: xxxxxxxxxxxx [*mmddyy*]
Pb Cat: e3 RoHS Compliant

Allegro MicroSystems, Inc.
115 Northeast Cutoff
Worcester, Massachusetts 01615-0036 U.S.A.
1.508.853.5000; www.allegromicro.com

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 ©2007-2008, Allegro MicroSystems, Inc.

Allegro MicroSystems, Inc. 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, Inc. assumes no responsibility for its use; nor for any infringement of patents or other rights of third parties which may result from its use.

For the latest version of this document, visit our website:
www.allegromicro.com

Allegro MicroSystems, Inc.
115 Northeast Cutoff
Worcester, Massachusetts 01615-0036 U.S.A.
1.508.853.5000; www.allegromicro.com