DETAIL A ROTATED 90° CW

ON Semiconductor



DATE 21 JUL 2015



- IOTES. 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994. 2. CONTROLLING DIMENSION: INCHES. 3. THERMAL PAD CONTOUR OPTIONAL WITHIN DI-

- MENSIONS b3, L3 and Z.

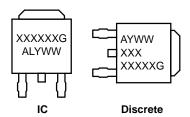
 4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR BURRS. MOLD FLASH, PROTRUSIONS, OR GATE BURRS SHALL NOT EXCEED 0.006 INCHES PER SIDE.

 5. DIMENSIONS D AND E ARE DETERMINED AT THE
- OUTERMOST EXTREMES OF THE PLASTIC BODY.

 6. DATUMS A AND B ARE DETERMINED AT DATUM
- 7. OPTIONAL MOLD FEATURE.

	INCHES		MILLIMETERS	
DIM	MIN	MAX	MIN	MAX
Α	0.086	0.094	2.18	2.38
A1	0.000	0.005	0.00	0.13
b	0.025	0.035	0.63	0.89
b2	0.028	0.045	0.72	1.14
b3	0.180	0.215	4.57	5.46
С	0.018	0.024	0.46	0.61
c2	0.018	0.024	0.46	0.61
D	0.235	0.245	5.97	6.22
Е	0.250	0.265	6.35	6.73
е	0.090	BSC	2.29	BSC
Н	0.370	0.410	9.40	10.41
L	0.055	0.070	1.40	1.78
L1	0.114	REF	2.90	REF
L2	0.020	BSC	0.51	BSC
L3	0.035	0.050	0.89	1.27
L4		0.040		1.01
Z	0.155		3.93	

GENERIC MARKING DIAGRAM*



XXXXXX = Device Code = Assembly Location Α L = Wafer Lot

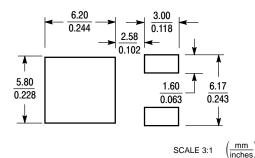
Υ = Year WW = Work Week G = Pb-Free Package

*This information is generic. Please refer to device data sheet for actual part marking.

SCALE 1:1 Α -h3 В L3 Ζ Ո DETAIL A NOTE 7 **BOTTOM VIEW** Cb2 е SIDE VIEW | \oplus | 0.005 (0.13) lacktriangle C **TOP VIEW** Z Ħ L2 GAUGE C SEATING PLANE **BOTTOM VIEW A1** ALTERNATE CONSTRUCTIONS

STYLE 1: PIN 1. BASE 2. COLLE 3. EMITTI 4. COLLE	ER 3. SO	AIN 2. CAT JRCE 3. ANG	HODE 2. ANODE	STYLE 5: E PIN 1. GATE 2. ANODE 3. CATHODE 4. ANODE
STYLE 6: PIN 1. MT1 2. MT2 3. GATE 4. MT2	STYLE 7: PIN 1. GATE 2. COLLECTOR 3. EMITTER 4. COLLECTOR	3. ANODE	STYLE 9: PIN 1. ANODE 2. CATHODE 3. RESISTOR ADJU 4. CATHODE	STYLE 10: PIN 1. CATHODE 2. ANODE UST 3. CATHODE 4. ANODE

SOLDERING FOOTPRINT*



*For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

DOCUMENT NUMBER:	98AON10527D	Electronic versions are uncontrolled except when	' '
STATUS:	ON SEMICONDUCTOR STANDARD	accessed directly from the Document Repository. Print versions are uncontrolled except when stamped "CONTROLLED COPY" in red.	
NEW STANDARD:	REF TO JEDEC TO-252		
DESCRIPTION:	DPAK SINGLE GAUGE SURFACE MOUNT)F 2



DOCUMENT	NUMBER:
98AON10527	7D

PAGE 2 OF 2

	,	
ISSUE	REVISION	DATE
0	RELEASED FOR PRODUCTION. REQ. BY L. GAN	24 SEP 2001
Α	ADDED STYLE 8. REQ. BY S. ALLEN.	06 AUG 2008
В	ADDED STYLE 9. REQ. BY D. WARNER.	16 JAN 2009
С	ADDED STYLE 10. REQ. BY S. ALLEN.	09 JUN 2009
D	RELABELED DRAWING TO JEDEC STANDARDS. ADDED SIDE VIEW DETAIL A. CORRECTED MARKING INFORMATION. REQ. BY D. TRUHITTE.	29 JUN 2010
E	ADDED ALTERNATE CONSTRUCTION BOTTOM VIEW. MODIFIED DIMENSIONS b2 AND L1. CORRECTED MARKING DIAGRAM FOR DISCRETE. REQ. BY I. CAMBALIZA.	06 FEB 2014
F	ADDED SECOND ALTERNATE CONSTRUCTION BOTTOM VIEW. REQ. BY K. MUSTAFA.	21 JUL 2015

ON Semiconductor and are registered trademarks of Semiconductor Components Industries, LLC (SCILLC). SCILLC reserves the right to make changes without further notice to any products herein. SCILLC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does SCILLC assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. "Typical" parameters which may be provided in SCILLC data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. SCILLC does not convey any license under its patent rights nor the rights of others. SCILLC products are not designed, intended, or authorized for use as components in systems intended for surgical implant into the body, or other applications intended to support or sustain life, or for any other application in which the failure of the SCILLC product could create a situation where personal injury or death may occur. Should Buyer purchase or use SCILLC products for any such unintended or unauthorized application, Buyer shall indemnify and hold SCILLC and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that SCILLC was negligent regarding the design or manufacture of the part. SCILLC is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.