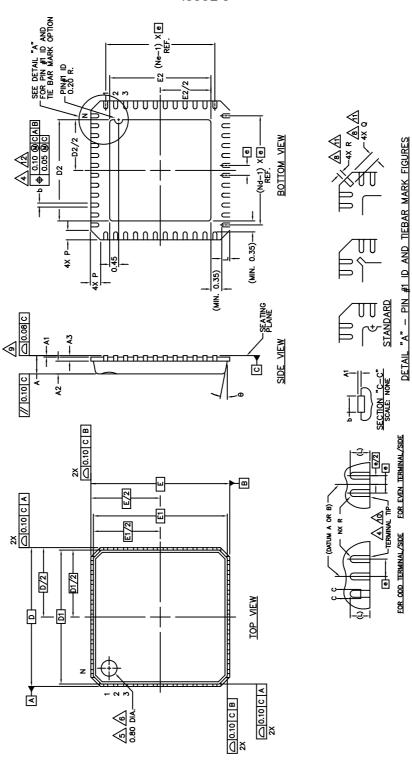
DATE 19 SEP 2008



NQFP 44, 7x7 CASE 560BK-01 ISSUE O



DOCUMENT NUMBER:	98AON34930E	Electronic versions are uncontrolle	
STATUS:	ON SEMICONDUCTOR STANDARD	accessed directly from the Document versions are uncontrolled except	
REFERENCE:		"CONTROLLED COPY" in red.	
DESCRIPTION:	NQFP 44, 7X7		PAGE 1 OF 4

NQFP 44, 7x7 CASE 560BK-01 ISSUE O

7.00 BSC 6.75 BSC 7.00 BSC 6.75 BSC

<u>Р Ө ЕТ</u> Е О

8,11 8,11

12° 0.60 0.65 0.23

> 0.42 0.40 0.17

0 0.24 0.30 0.13

R

°, E

S

≻**≊**®°`

ω

6

<u>MAX</u> 0.90 0.70

COMMON DIMENSIONS 0.0.85 0.01 0.65 0.20 REF.

MIN. 0.80 0.60

<u>A2</u> A3

DATE 19 SEP 2008

	шI									<u> </u>
	ŗ		ñ	ñ	ñ		4			Ē
rion c	MAX.					0.50	0.30	IATION: H	IATION: H	* NOT DESIGNED YET ** DESIGNED BUT NOT TOOLED UP
PITCH VARIATION C	NOM.	0.50 BSC	44	11	11	0.40	0.23	SEE EXPOSED PAD VARIATION: H	SEE EXPOSED PAD VARIATION: H	NOT DESIGNE
PITCH	MIN.					02.0	0.18	SEE EXPO		**
∞≻≊≏	,°-	e	Z	ΡN	Ne	L	P	D2	E2	
z	<u>-</u> ۳		ñ	ñ	٤		4			
PITCH VARIATION C	MAX.					0.75	0.30	SEE EXPOSED PAD VARIATION: A,B,D,F	SEE EXPOSED PAD VARIATION: A,B,D,F	
ARIAT	NOM.	.50 BSC	44	11	11	0.60	0.23	AD VARIAT	AD VARIAT	
> I	P	0.5						SED P	SED P	
PITCI	MIN.					0.50	0.18	SEE EXPO		
∞≻≊œ	,°-	e	N	Nd	Ne	Γ	٩	D2	E2	
z	۳,		ñ	٤	£		4			
PITCH VARIATION B	MAX.					0.75	0.35	D2 SEE EXPOSED PAD VARIATION: D,F	E2 SEE EXPOSED PAD VARIATION: D,F	
VARIA ⁻	NOM.	0.65 BSC	32	8	8	0.60	0.28	D PAD VAF	d Pad Vaf	
PITCH	MIN.					0.50	0.23	EE EXPOSE	EE EXPOSE	
∽≻≊‴	,	Ð	N	PN	Ne	L	٩	D2 (s	E2 S	
z	۳,		3	3	3		4			
- A NOI	MAX.					0.75	0.40	RIATION: *	RIATION: *	
PITCH VARIAT	NOM.	0.80 BSC	28	7	7	0.60	0.33	SEE EXPOSED PAD VARI	E2 SEE EXPOSED PAD VARIATION:	
PITCH	MIN.					0.50	0.28	SEE EXPO	SEE EXPO	
∽≻≊≊	- ە	Ð	z	PN	Ne	-	م	D2	E2	

						1	2		
z	s⊢¯		m	3	М		4,1		
TION E	MAX.					0.50	0.25	RIATION: F	RIATION: F
PITCH VARIATION	NOM.	0.40 BSC	56	14	14	0.40	0.20	SEE EXPOSED PAD VARIATION: I	SEE EXPOSED PAD VARIATION: F
PITCH	MIN.					0.30	0.15		SEE EXPO
°≍≺∞	"°-'	Ð	z	PΝ	Ne	-	q	D2	E
z	۳.		m	٣	m		4		
D NOL	MAX.					0.50	0.30	D2 SEE EXPOSED PAD VARIATION: C,F,G,H	E2 SEE EXPOSED PAD VARIATION: C.F.G.H
PITCH VARIATION D	NOM.	0.50 BSC	48	12	12	0.40	0.23	D PAD VARIA	D PAD VARIA
PITCH	MIN.					0.30	0.18	SEE EXPOSEI	SEE EXPOSEI
∽≍≏	" <u>-</u> -	Ð	z	PN	Ne		q	D2	E

D2 E2 NOTE	MIN NOM MAX MIN NOM MAX	3.20 3.30 3.40 3.20 3.30 3.40	3.70 3.80 3.90 3.70 3.80 3.90	4.00 4.10 4.20 4.00 4.10 4.20	4.60 4.70 4.80 4.60 4.70 4.80	4.80 4.90 5.00 4.80 4.90 5.00	5.00 5.10 5.20 5.00 5.10 5.20	5.20 5.30 5.40 5.20 5.30 5.40	- 10 1 00 1 00 1 00
	M	EXPOSED PAD A 3.2	_	C 4.0	D 4.6	E 4.8	F 5.0	G 5.2	н 540

GENERAL ; NOMINAL EXPOSED PAD(D2/E2) DIMENSION = NOMINAL DIE ATTACH PAD DIMENSION-0.20

- 0.10 - NOMINAL DIE ATTACH PAD DIMENSION 0.10

<DIE ATTACH PAD X-SECTION VIEW>

NOTE:

ABOVE GENERAL CORRELATION BETWEEN NOMINAL EXPOSED PAD DIMENSION AND NOMINAL DIE ATTACH PAD DIMENSION MAY BE APPLICABLE FOR AMKOR PACKAGE ONLY. OTHER SUBCONS MAY FOLLOW DIFFERENT CORRELATION RULE FOR PACKAGE.

DOCUMENT NUMBER:	98AON34930E	Electronic versions are uncontrolle		
STATUS:	ON SEMICONDUCTOR STANDARD	accessed directly from the Document versions are uncontrolled except		
REFERENCE:				
DESCRIPTION:	NQFP 44, 7X7		PAGE 2 OF 4	

DATE 19 SEP 2008

NOTES: 1. DIE THICKNESS ALLOWABLE IS 0.305mm MAXIMUM(.012 INCHES MAXIMUM) 2. DIMENSIONING & TOLERANCES CONFORM TO ASME Y14.5M. - 1994. 3. N IS THE NUMBER OF TERMINALS. Nd IS THE NUMBER OF TERMINALS IN X-DIRECTION & Ne IS THE NUMBER OF TERMINALS IN Y-DIRECTION. /4 dimension 6 applies to plated terminal and is measured BETWEEN 0.15 AND 0.30mm FROM TERMINAL TIP. /5. The PIN #1 IDENTIFIER MUST BE EXISTED ON THE TOP SURFACE OF THE PACKAGE BY USING INDENTATION MARK OR OTHER FEATURE OF PACKAGE BODY. 6 EXACT SHAPE AND SIZE OF THIS FEATURE IS OPTIONAL. 7. ALL DIMENSIONS ARE IN MILLIMETERS. /8. THE SHAPE SHOWN ON FOUR CORNERS ARE NOT ACTUAL I/O. 9. BILATERAL COPLANARITY ZONE APPLIES TO THE EXPOSED PAD AS WELL AS THE TERMINALS. A APPLIED ONLY FOR TERMINALS. 1 Q AND R APPLIES ONLY FOR STRAGHT TIEBAR SHAPES. 12, FOR 0.40mm LEAD PITCH, THE LEAD POSITION TOLERANCE MUST BE 0.07mm AT THE ACTUAL MEAN VALUE OF BODY SIZE.

13. REFERENCE ANAM 45277, VERSION 14

DOCUMENT NUMBER:	98AON34930E	Electronic versions are uncontrolle	
STATUS:	ON SEMICONDUCTOR STANDARD	accessed directly from the Document versions are uncontrolled except	
REFERENCE:		"CONTROLLED COPY" in red.	
DESCRIPTION:	NQFP 44, 7X7		PAGE 3 OF 4



ON Semiconductor®

DOCUMENT NUMBER: 98AON34930E

PAGE 4 OF 4

	DEV/(0)ON	DATE
ISSUE	REVISION	DATE
0	RELEASED FOR PRODUCTION FROM POD #6000481 TO ON SEMICONDUCTOR. REQ. BY B. BERGMAN.	19 SEP 2008

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 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.