



<b>Title of Change:</b>	New revision of Case outline 567KA.
<b>Effective date:</b>	24 Feb 2020
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office or Marek.Haluska@onsemi.com
<b>Type of notification:</b>	This Product Bulletin is for notification purposes only. ON Semiconductor will proceed with implementation of this change upon publication of this Product Bulletin.
<b>Change Category:</b>	New revision of Case outline 567KA
<b>Change Sub-Category(s):</b>	Datasheet/Product Doc change

**Sites Affected:**

<b>ON Semiconductor Sites</b>	<b>External Foundry/Subcon Sites</b>
None	None

**Description and Purpose:**

Case 567KA physical dimension table has been updated to properly reflect the actual dimensions for parameters b, A, A1 and A2. This is a documentation update only. There are no physical changes to product dimensions, and no change to the solder footprint is required.  
 Required change:

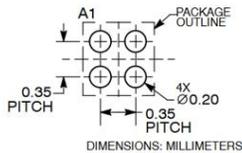
**Original case outline**

WLCSP4, 0.64x0.64  
 CASE 567KA  
 ISSUE A

- NOTES:  
 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.  
 2. CONTROLLING DIMENSION: MILLIMETERS.  
 3. COPLANARITY APPLIES TO SPHERICAL CROWNS OF SOLDER BALLS.

DIM	MILLIMETERS		
	MIN	NOM	MAX
A	0.35	0.40	0.45
A1	0.14	0.16	0.18
A2	0.255 REF		
b	0.185	0.200	0.215
D	0.610	0.640	0.670
E	0.610	0.640	0.670
e	0.35 BSC		

**RECOMMENDED SOLDERING FOOTPRINT\***



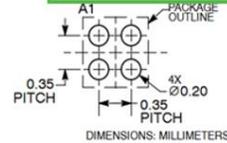
**Revised case outline**

WLCSP4, 0.64x0.64  
 CASE 567KA  
 ISSUE B

- NOTES:  
 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.  
 2. CONTROLLING DIMENSION: MILLIMETERS.  
 3. COPLANARITY APPLIES TO THE SPHERICAL CROWNS OF THE SOLDER BALLS.  
 4. DATUM C, THE SEATING PLANE, IS DEFINED BY THE SPHERICAL CROWNS OF THE SOLDER BALLS.  
 5. DIMENSION b IS MEASURED AT THE MAXIMUM SOLDER BALL DIAMETER PARALLEL TO DATUM C.

DIM	Millimeters		
	MIN.	NOM.	MAX.
A	0.355	0.405	0.455
A1	0.13	0.15	0.17
A2	0.255 REF		
b	0.167	0.187	0.207
D	0.61	0.64	0.67
E	0.61	0.64	0.67
e	0.35 BSC		

**RECOMMENDED SOLDERING FOOTPRINT\* (NSMD PAD TYPE)**



- \* (1): Changed values for b, A, A1 and A2 based on latest package measurement
- \* (2): Added two notes, 4 & 5, about datum C and dimension b
- \* (3): Added note for recommended solder mounting process

**List of Affected Standard Parts:**

**Note:** Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

NCP160BFCS350T2G	NCP160BFCS450T2G	NCP160BFCS500T2G
NCP160BFCS514T2G	NCP161AFCS180T2G	NCP161AFCS250T2G
NCP161AFCS280T2G	NCP161AFCS285T2G	NCP161AFCS300T2G



NCP161AFCS450T2G	NCP161AFCS500T2G	NCP161AFCS514T2G
NCP161BFCS180T2G	NCP161BFCS250T2G	NCP161BFCS280T2G
NCP161BFCS285T2G	NCP161BFCS300T2G	NCP161BFCS330T2G
NCP161BFCS350T2G	NCP161BFCS450T2G	NCP161BFCS500T2G
NCP161BFCS514T2G	NCP163AFCS120T2G	NCP163AFCS180T2G
NCP163AFCS250T2G	NCP163AFCS260T2G	NCP163AFCS270T2G
NCP163AFCS280T2G	NCP163AFCS285T2G	NCP163AFCS290T2G
NCP163AFCS2925T2G	NCP163BFCS180T2G	NCP163BFCS2925T2G
NCP160AFCS180T2G	NCP160AFCS250T2G	NCP160AFCS270T2G
NCP160AFCS280T2G	NCP160AFCS285T2G	NCP160AFCS2925T2G
NCP160AFCS300T2G	NCP160AFCS320T2G	NCP160AFCS330T2G
NCP160AFCS350T2G	NCP160AFCS370T2G	NCP160AFCS450T2G
NCP160AFCS500T2G	NCP160AFCS514T2G	NCP160AFCS280T2G
NCP160BFCS180T2G	NCP160BFCS250T2G	NCP160BFCS280T2G
NCP160BFCS285T2G	NCP160BFCS2925T2G	NCP160BFCS300T2G
NCP160BFCS330T2G	NCP161AFCS320T2G	NCP161AFCS330T2G
NCP161AFCS350T2G		



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## Appendix A: Changed Products

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D

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCP161AFCS330T2G		NA		
NCP160BFCS330T2G		NA		
NCP160AFCS330T2G		NA		
NCP160AFCS320T2G		NA		
NCP160AFCS300T2G		NA		
NCP160AFCS280T2G		NA		
NCP160AFCS250T2G		NA		
NCP160AFCS180T2G		NA		
NCP163AFCS280T2G		NA		
NCP163AFCS180T2G		NA		
NCP161BFCS350T2G		NA		
NCP161BFCS330T2G		NA		
NCP161BFCS300T2G		NA		
NCP161BFCS280T2G		NA		
NCP161BFCS180T2G		NA		
NCP161AFCS514T2G		NA		
NCP161AFCS300T2G		NA		