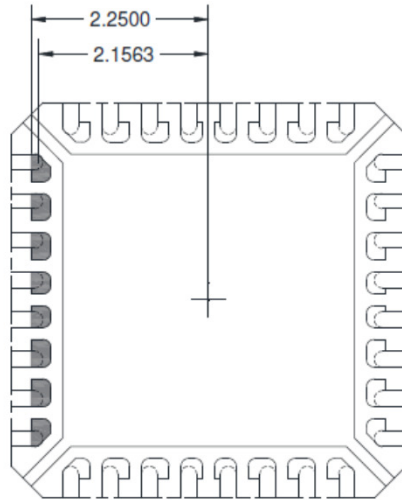
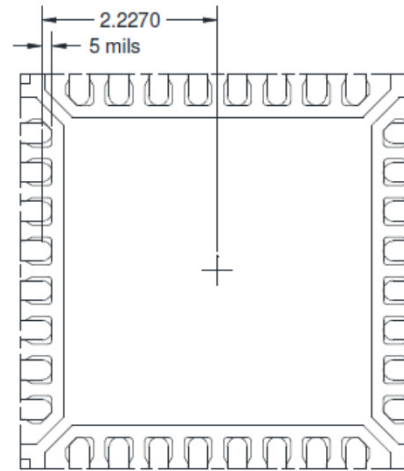


32L LFCSP 5X5

Bonding area location from pad center shaded in gray.

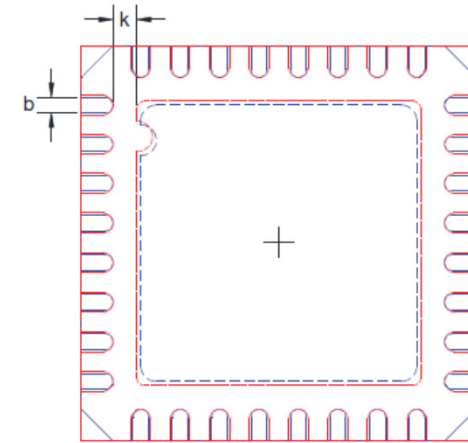


STATS — PKG#3061
CP-32-4



AEK — PKG#4889
CP-32-12

POD Footprint overlay



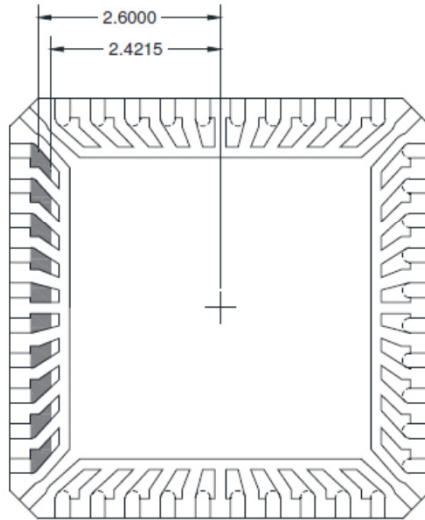
STATS : CP-32-4
AEK : CP-32-12

	32L LFCSP 5x5	
	STATS	AEK
PAD SIZE	3700 x 3700	3900 x 3900
EPAD SIZE	3500 x 3500	3600 x 3600
PKG#	3061	4889
POD	CP-32-4	CP-32-12
k	0.350 mm	0.300 mm
b	0.20 mm	0.25 mm

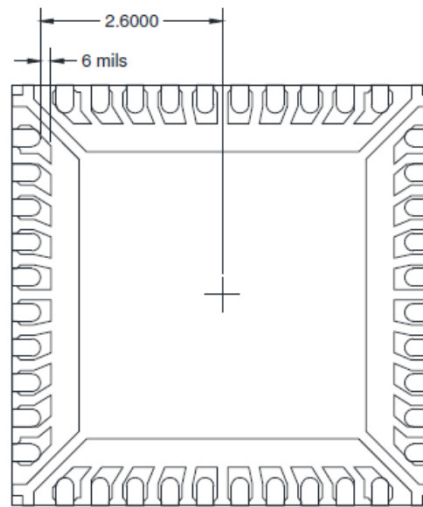
The 2nd bond location of AEK LF is within bonding area location of STATS LF.

40L LFCSP 6X6

Bonding area location from pad center shaded in gray.

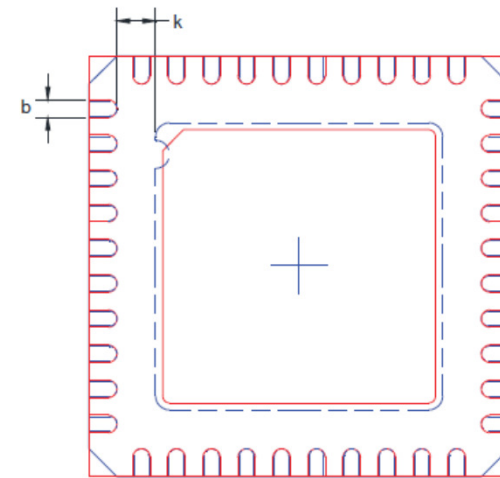


STATS - PKG#1118
CP-40-1



AEK - PKG#5099
CP-40-14

POD Footprint overlay



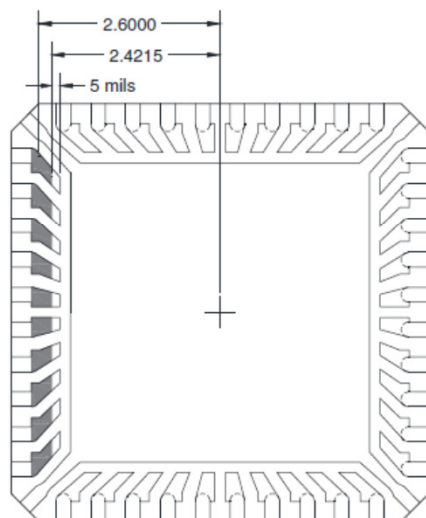
STATS : CP-40-1
AEK : CP-40-14

	40L LFCSP 6x6	
	STATS	ASE
PAD SIZE	4300 x 4300	4100 x 4100
EPAD SIZE	4100 x 4100	3900 x 3900
PKG#	1118	5099
POD	CP-40-1	CP-40-14
k	0.550 mm	0.650 mm
b	0.21 mm	0.25 mm

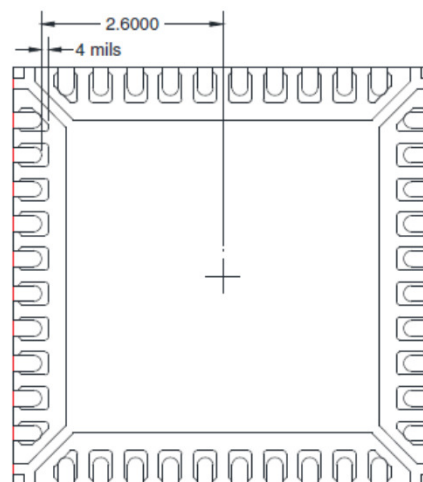
The 2nd bond location of AEK LF is within bonding area location of STATS LF.

40L LFCSP 6X6

Bonding area location from pad center shaded in gray.

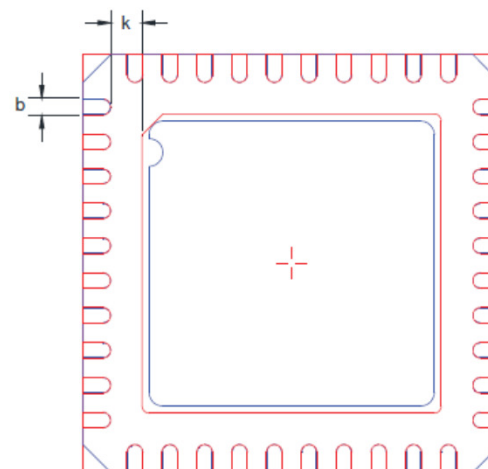


STATS - PKG#1118
CP-40-1



AEK - PKG#5003
CP-40-10

POD Footprint overlay



STATS : CP-40-1

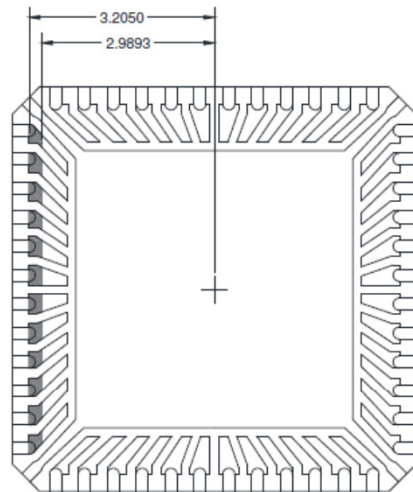
AEK : CP-40-10

	40L LFCSP 6x6	
	STATS	ASE
PAD SIZE	4300 x 4300	4500 x 4500
EPAD SIZE	4100 x 4100	4300 x 4300
PKG#	3365	5003
POD	CP-40-1	CP-40-10
k	0.550 mm	0.450 mm
b	0.21 mm	0.25 mm

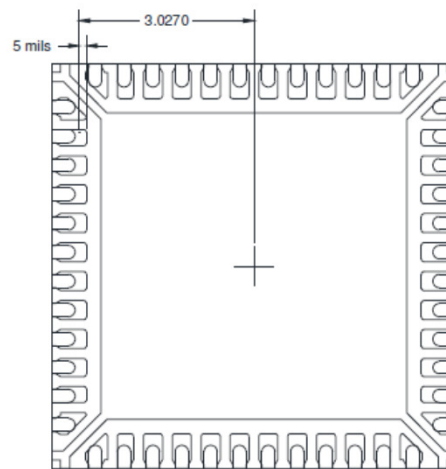
The 2nd bond location of AEK LF is within bonding area location of STATS LF.

48L LFCSP 7X7

Bonding area location from pad center shaded in gray.

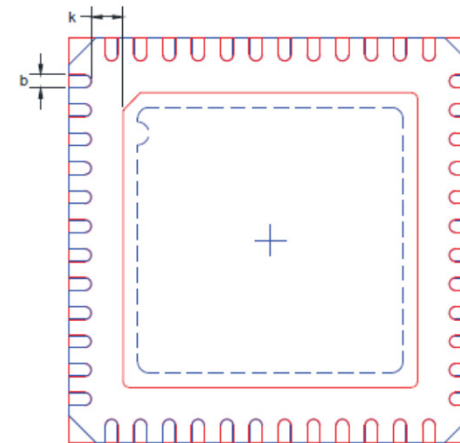


STATS - PKG#3758
CP-48-12



AEK - PKG#5004
CP-48-4

POD Footprint overlay



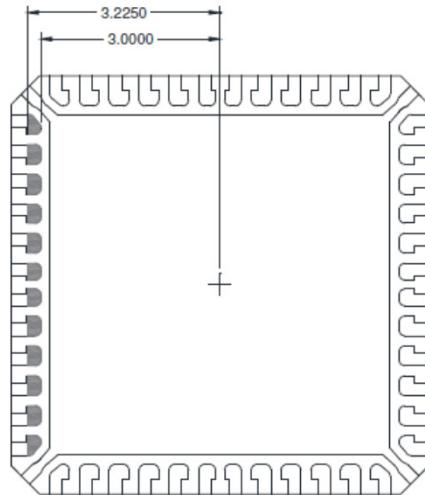
STATS : CP-48-12
AEK : CP-48-4

	48L LFCSP 7x7	
	STATS	ASE
PAD SIZE	4800 x 4800	5300 x 5300
EPAD SIZE	4600 x 4600	5100 x 5100
PKG#	3758	5004
POD	CP-48-12	CP-48-4
k	0.800 mm	0.550 mm
b	0.21 mm	0.23 mm

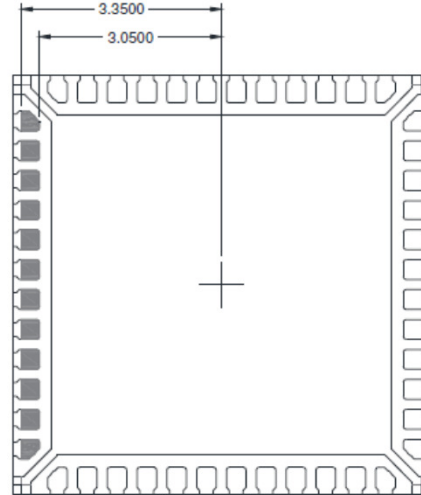
The 2nd bond location of AEK LF is within bonding area location of STATS LF.

48L LFCSP 7X7

Bonding area location from pad center is the tip of the lead length because the C&I does not have positive bias.

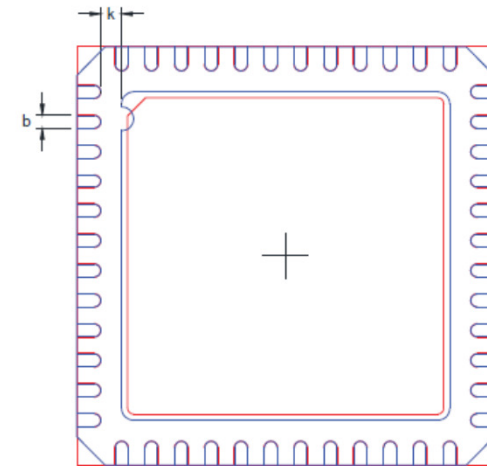


STATS - PKG#3558
CP-48-8



AEK - PKG#5074
CP-48-20

POD Footprint overlay



STATS : CP-48-8
AEK : CP-48-20

	48L LFCSP 7x7	
	STATS	ASE
PAD SIZE	5700 x 5700	5700 x 5700
EPAD SIZE	5500 x 5500	5300 x 5300
PKG#	3558	5074
POD	CP-48-8	CP-48-20
k	0.350 mm	0.450 mm
b	0.21 mm	0.23 mm

The 2nd bond location of AEK LF is the same with SCC LF because the C&I used Does not have a positive bias.

LFCSP 4x4 to 7X7 mm Package Outline Drawing (POD)

Body Size (mm)	Lead Count	Punch Type LFCSP STATChipPAC-Singapore (SCS)				Sawn Type LFCSP ASE-Korea (AEK)			
		POD Spec	E-Pad Size (mm SQ.)	Lead Length (mm)	Lead Width (mm)	POD Spec	E-Pad Size (mm SQ.)	Lead Length (mm)	Lead Width (mm)
4x4	24	CP-24-2	2.30x2.30 ± 0.15	0.40 ± 0.10	0.23 + 0.07 - 0.05	CP-24-14	2.30x2.30 ± 0.10	0.40 ± 0.10	0.25 ± 0.05
5x5	32	CP-32-2	3.10x3.10 ± 0.15	0.40 ± 0.10	0.25 + 0.05 - 0.07	CP-32-7	3.10x3.10 ± 0.15	0.40 ± 0.10	0.25 + 0.05 - 0.07
5x5	32	CP-32-3	3.30x3.30 ± 0.15	0.40 ± 0.10	0.25 + 0.05 - 0.07	CP-32-13	3.30x3.30 ± 0.15	0.40 ± 0.10	0.25 + 0.05 - 0.07
5x5	32	CP-32-4	3.50x3.50 ± 0.15	0.40 ± 0.10	0.25 + 0.05 - 0.07	CP-32-12	3.60x3.60 + 0.15 - 0.05	0.40 ± 0.10	0.25 + 0.05 - 0.07
6x6	40	CP-40-1	4.10x4.10 ± 0.15	0.40 ± 0.10	0.23 + 0.07 - 0.05	CP-40-14	3.90x3.90 ± 0.15	0.40 ± 0.05	0.25 + 0.05 - 0.07
6x6	40	CP-40-1	4.10x4.10 ± 0.15	0.40 ± 0.10	0.23 + 0.07 - 0.05	CP-40-10	4.30x4.30 + 0.15 - 0.05	0.40 ± 0.05	0.23 + 0.07 - 0.05
6x6	40	CP-40-4	4.30x4.30 ± 0.15	0.40 ± 0.10	0.23 + 0.07 - 0.05	CP-40-10	4.30x4.30 + 0.15 - 0.05	0.40 ± 0.05	0.23 + 0.07 - 0.05
7x7	48	CP-48-3	4.10x4.10 ± 0.15	0.40 ± 0.10	0.23 + 0.07 - 0.05	CP-48-5	4.10x4.10 ± 0.15	0.40 ± 0.05	0.23 + 0.07 - 0.05
7x7	48	CP-48-12	4.60x4.60 ± 0.10	0.40 ± 0.10	0.23 + 0.07 - 0.05	CP-48-4	5.10x5.10 ± 0.10	0.40 ± 0.05	0.23 + 0.07 - 0.05
7x7	48	CP-48-1	5.10x5.10 ± 0.15	0.40 ± 0.10	0.23 + 0.07 - 0.05	CP-48-4	5.10x5.10 ± 0.10	0.40 ± 0.05	0.23 + 0.07 - 0.05
7x7	48	CP-48-8	5.50x5.50 ± 0.05	0.40 ± 0.10	0.23 + 0.07 - 0.05	CP-48-20	5.30x5.30 ± 0.10	0.40 ± 0.10	0.23 + 0.07 - 0.05

NOTE: 1. POD spec indicated in blue have a change in AEK POD Spec number and E-Pad Size.
2. POD spec indicated in green has a change in SCS POD Number i.e. CP-40-1 and have parts for both CP-40-14 and CP-40-10.
3. POD spec change for "SCS CP-48-6 to AEK CP-48-5" removed.

LFCSP 4x4 to 7X7 mm

Bill Of Materials

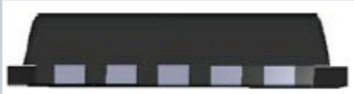
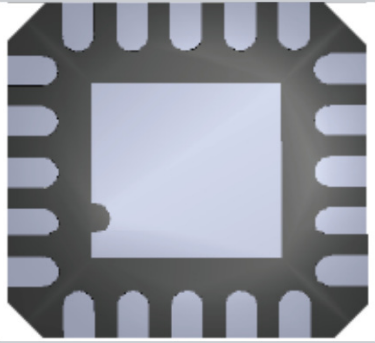
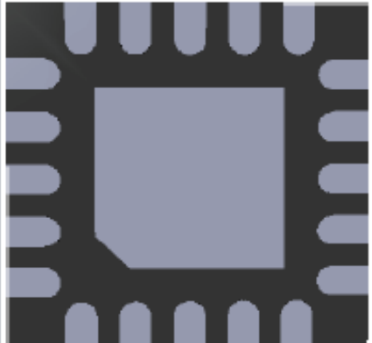
BODY SIZE	MATERIAL	FROM: SCS	TO: AEK
4X4	Die Attach Wire Mold Compound Leadframe	Ablestik 8290 MKE UB 4N Gold 1.0mil Sumitomo G700E C194	Ablestik 8290 MKE R 2N/4N Gold 0.8/1.0mil Sumitomo G700 C194
5X5	Die Attach Wire Mold Compound Leadframe	Ablestik 8290 MKE UB 4N Gold 1.0 mil Sumitomo G700E C194	Hitachi EN 4900GC MKE R 2N/4N Gold 0.8/1.0mil Sumitomo G700 C194
6X6	Die Attach Wire Mold Compound Leadframe	Ablestik 8290 MKE UB 4N Gold 1.0mil Sumitomo G700E C194 Ablestik 3230 MKE UB 4N Gold 1.0mil Sumitomo G700E C194	Hitachi EN 4900GC MKE R 2N/4N Gold 0.8/1.0mil Sumitomo G700 C194
7X7	Die Attach Wire Mold Compound Leadframe	Ablestik 8290 MKE UB 4N Gold 1.0mil Sumitomo G700E C194 Ablestik 3230 MKE UB 4N Gold 1.0mil Sumitomo G700E C194	Hitachi EN 4900GC MKE R 2N/4N Gold 0.8/1.0mil Sumitomo G700 C194

NOTE: 1. Material set in green added for SCS 7x7.

2. Wire type ID in blue added for all material sets of AEK 4x4-7x7.

LFCSP 4x4 to 7X7 mm

Package Configuration and Pin One Marking

Package	FROM: SCS	TO: AEK	Remarks
			SCS Punch: Flange AEK Sawn: Square
Top			AEK Sawn: • Square edge • Pin one is laser marked
Bottom			AEK Sawn: • Chamfer pad pin one indicator

**Conversion of Select Sizes of LFCSP Package Outlines from Punched to Sawn
and Transfer of Assembly Site to ASE Korea**

**Qualification Results Summary
for 4x4, 5x5, 6x6, and 7x7mm Sawn LFCSP Package
at ASE Korea**

QUALIFICATION RESULT			
TEST	SPECIFICATION	SAMPLE SIZE	RESULT
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 77	PASS
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 77	PASS
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	3 x 77	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	PASS
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	3 x 77	PASS

*Preconditioned per JEDEC/IPC J-STD-020

AFFECTED FINISHED GOOD PARTS									
Body Size	Lead Count								
7x7	48	AD9219ABCPZ-40	AD9219ABCPZ-65	AD9219ABCPZRL7-40					
7x7	48	AD92228ABCPZ-40	AD92228ABCPZ-65	AD92228ABCPZRL7-40	AD92228ABCPZRL7-65				
7x7	48	AD9229ABCPZ-50	AD9229ABCPZ-65						
7x7	48	AD9255BCPZ-105	AD9255BCPZ-125	AD9255BCPZ-80	AD9255BCPZRL7-105	AD9255BCPZRL7-125	AD9255BCPZRL7-80		
7x7	48	AD9259ABCPZ-50	AD9259ABCPZRL7-50						
7x7	48	AD9261BCPZ-10	AD9261BCPZRL7-10						
7x7	48	AD9265BCPZ-105	AD9265BCPZ-125	AD9265BCPZ-80	AD9265BCPZRL7-105	AD9265BCPZRL7-125	AD9265BCPZRL7-80		
7x7	48	AD9284BCPZ-250	AD9284BCPZRL7-250						
7x7	48	AD9286BCPZ-500	AD9286BCPZRL7-500						
7x7	48	AD9287ABCPZ-100							
7x7	48	AD9517-0ABCPZ	AD9517-0ABCPZ-RL7						
7x7	48	AD9517-1ABCPZ	AD9517-1ABCPZ-RL7						
7x7	48	AD9517-2ABCPZ	AD9517-2ABCPZ-RL7						
7x7	48	AD9517-3ABCPZ	AD9517-3ABCPZ-RL7						
7x7	48	AD9517-4ABCPZ	AD9517-4ABCPZ-RL7						
7x7	48	AD9518-0ABCPZ	AD9518-0ABCPZ-RL7						
7x7	48	AD9518-1ABCPZ	AD9518-1ABCPZ-RL7						
7x7	48	AD9518-2ABCPZ	AD9518-2ABCPZ-RL7						
7x7	48	AD9518-3ABCPZ	AD9518-3ABCPZ-RL7						
7x7	48	AD9518-4ABCPZ	AD9518-4ABCPZ-RL7						
7x7	48	AD80274BCPZ-155	AD80274BCPZRL7-155	AD9644BCPZ-155	AD9644BCPZ-80	AD9644BCPZRL7-155	AD9644BCPZRL7-80	AD9644CCPZ-80	AD9644CCPZRL7-80
7x7	48	AD9967BCPZ	AD9967BCPZRL						

