

LFCSP 4x4 to 7X7 mm

Package Outline Drawing (POD) Dimensional Analysis

Body Size (mm)	Lead Count	Punch Type LFCSP STATSChipPAC-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 CP-32-3 CP-32-4	3.10x3.10 ± 0.15 3.30x3.30 ± 0.15 3.50x3.50 ± 0.15	0.40 ± 0.10	0.25 + 0.05 - 0.07	CP-32-7 CP-32-12	3.10x3.10 ± 0.15 3.60x3.60 + 0.15 - 0.05	0.40 ± 0.10	0.25 + 0.05 - 0.07
6x6	40	CP-40 CP-40-4	4.10x4.10 ± 0.15 4.30x4.30 ± 0.15	0.40 ± 0.10	0.23 + 0.07 - 0.05	CP-40-14 CP-40-10	3.90x3.90 ± 0.15 4.30x4.30 + 0.15 - 0.05	0.40 ± 0.05	0.25 + 0.05 - 0.07 0.23 + 0.07 - 0.05
7x7	48	CP-48-6 CP-48-3 CP-48-12 CP-48-1 CP-48-8	2.80x2.80 ± 0.10 4.10x4.10 ± 0.15 4.60x4.60 ± 0.15 5.10x5.10 ± 0.15 5.50x5.50 ± 0.05	0.40 ± 0.10	0.23 + 0.07 - 0.05	CP-48-4 CP-48-5 CP-48-13	4.10x4.10 ± 0.15 5.60x5.60 ± 0.10	0.40 ± 0.05 0.40 ± 0.10	0.23 + 0.07 - 0.05 0.25 ± 0.05

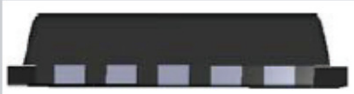
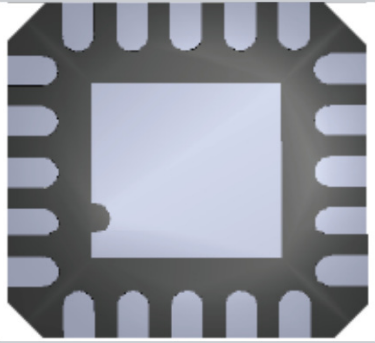
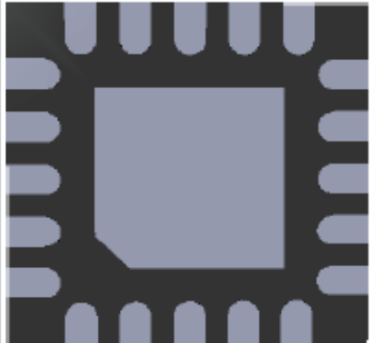
LFCSP 4x4 to 7X7 mm

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 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 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 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	Hitachi EN 4900GC MKE R 2N Gold 0.8/1.0mil Sumitomo G700 C194

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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