

Bill of Materials Change Description

MATERIALS	FROM	TO	REMARK
Die Attach	Able8290 Able8290 Able3230	Able8290 EN4900GC EN4900GC	Same (3x3 and 4x4mm only) Changed Changed
Wire type	Gold Wire	Gold Wire	Same
Mold Compound	Sumitomo G770	Sumitomo G700	Changed
Lead Finish	Matte Sn	Matte Sn	Same

LFCSP 3x3 to 5x5mm

Package Outline Drawing(POD) Change Description

Body Size (mm)	Lead Count	Sawn LFCSP STATSChipPAC-China (SCC)				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)
3X3	8	CP-8-12	1.60x1.60± 0.10	0.40 ± 0.10	0.25± 0.05	CP-8-11	2.34X1.60± 0.10	0.40 ± 0.10	0.25± 0.05
3X3	8	CP-8-13	1.74x1.45± 0.10	0.40 ± 0.10	0.25± 0.05	CP-8-11	2.34X1.60± 0.10	0.40 ± 0.10	0.25± 0.05
3X3	16	CP-16-27	1.50x1.50+0.15/-0.05	0.40 ± 0.10	0.25± 0.05	CP-16-22	1.60X1.60± 0.15	0.40 ± 0.10	0.23 +0.07/-0.05
4X4	20	CP-20-10	2.50x2.50± 0.15	0.40 ± 0.10	0.25± 0.05	CP-20-8	2.60X2.60+0.15/-0.25	0.40 ± 0.10	0.25 +0.05/-0.07
4X4	24	CP-24-7	2.50x2.50+0.15/-0.05	0.40 ± 0.10	0.25+0.05/-0.07	CP-24-14	2.34x2.34± 0.10	0.40 ± 0.10	0.23+0.07/-0.05
5X5	28	CP-28-6	3.30x3.30± 0.10	0.40 ± 0.10	0.25+0.05/-0.07	CP-28-10	3.14X3.14± 0.10	0.53 ± 0.05	0.25± 0.05
5X5	32	CP-32-11	3.50x3.50+0.15/-0.05	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

**Assembly Transfer to ASE Korea and Test site to STATS ChipPAC Singapore
of Select LFCSP Parts**

**Qualification Results Summary
for LFCSP 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

PKG TYPE	BODY SIZE	LEADS	GENERIC	FG PART	ASSY PART	ASS'Y SITE	TEST SITE	NEW PCN	Test Correlation Result
LFCSP	3X3X0.75	8	AD5541A	AD5541ABCPZ-1-RL7	AD5541ABCP7-H11Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	3X3X0.75	16	ADA4096-4	ADA4096-4ACPZ-R7	ADA4096-4ACP7-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	3X3X0.75	16	ADA4096-4	ADA4096-4ACPZ-R7	ADA4096-4ACP3-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	3X3X0.75	16	ADA4096-4	ADA4096-4ACPZ-RL	ADA4096-4ACP3-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	3X3X0.75	8	ADA4500-2	ADA4500-2ACPZ-R7	ADA4500-2ACP7-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	3X3X0.75	8	ADA4500-2	ADA4500-2ACPZ-R7	ADA4500-2ACP7-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	3X3X0.75	8	ADA4500-2	ADA4500-2ACPZ-RL	ADA4500-2ACP3-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	5X5X0.75	28	ADM1075	AD51/095Z-0RL7	ADM1075ACP7-H13Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	5X5X0.75	28	ADM1075	ADM1075-1ACPZ-RL7	ADM1075ACP7-H11Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	5X5X0.75	28	ADM1075	ADM1075-1ACPZ	ADM1075ACP7-H11Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	5X5X0.75	28	ADM1075	ADM1075-2ACPZ	ADM1075ACPT-H12Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	5X5X0.75	28	ADM1075	ADM1075-2ACPZ-RL7	ADM1075ACP7-H12Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	4X4X0.75	24	ADP1051	AD80393ACPZ-R7	AD80393ACP7-H0Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	4X4X0.75	24	ADP1051	ADP1051ACPZ-R7	ADP1051ACP7-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	4X4X0.75	24	ADP1051	ADP1051ACPZ-RL	ADP1051ACP3-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	5X5X0.75	32	ADP1850	ADP1850ACPZ-R7	ADP1850ACP7-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	3X3X0.75	16	ADP323	ADP323ACPZ-R7	ADP323ACP7-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	3X3X0.75	16	ADP323	ADP323ACPZ-R7	ADP323ACP7-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	4X4X0.75	24	ADP5134	ADP5134ACPZ-R7	ADP5134ACP7-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	3X3X0.75	8	ADP7182	ADP7182ACPZ-R7	ADP7182ACP7-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	3X3X0.75	8	ADP7182	ADP7182ACPZ-5.0-R7	ADP7182ACP7-H15X0Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	4X4X0.75	20	SSM2518	SSM2518CPZ	SSM2518XCPT-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	4X4X0.75	20	SSM2518	SSM2518CPZ-R7	SSM2518XCP7-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	4X4X0.75	20	SSM2518	SSM2518CPZ-RL	SSM2518XCP3-H1Z	SCC to AEK	SCC to STA	16_0235	Pass
LFCSP	4X4X0.75	20	SSM2518	SSM2518CPZ-RL	SSM2518XCP3-H1Z	SCC to AEK	SCC to STA	16_0235	Pass