



PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : A1004-02

PCN Type: Manufacturing Site - Alternate Assembly Location
Data Sheet Change: None
 No change in moisture sensitivity level (MSL)

Detail Of Change:

This notification is to advise our customers that IDT is adding ASEK, Taiwan as an alternate assembly facility for 13.5mm x 8.0mm x 1.1mm FPBGA-176 green version. There is no change to the moisture performance of this package using the assembly material sets as listed in the below table.

Qualification Information and Qualification Data:

Affected Packages: 13.5mm x 8.0mm x 1.1mm FPBGA-176 (AKG176)

Assembly Material: See Table below

Description	Existing	Add
Assembly Location	Amkor, Philippines; Chipmos, Taiwan; SPIL, Taiwan; Stats Chipac, Korea	ASEK, Taiwan
Assembly Materials	Die Attach: Ablestik 2300, Ablestik 2025D, Ablestik 2000, Ablestik 2100A	Ablestik 2100A
	Wire: Au wire 0.8 mil, 0.9 mil	Au wire 0.8 mil
	Mold Compound: EME-G770, Kyocera KE-G1250TC, GE100LFCS, EME-G770LC	KEG1250LKDS
	Substrate: BT Resin, HL832NX, AUS308	HL830NX-A
	Solder Balls: Sn96.5/Ag3.0/Cu0.5	Solder Balls: Sn96.5/Ag3.0/Cu0.5



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Qualification Test Plans and Results :

Qual Vehicle: 13mm x 13mm LBGA-167 (1 lot)

Test Description	Test Method	Test Results (SS / Rej)
* High Accelerated Stress Test (Unbiased, 130 °C/85% RH, 100 Hrs)	JESD22-A118	77/0
* Temperature Cycle (-65 °C to +150 °C, 500 Cyc)	JESD22-A104	77/0
High Temp. Storage Test (150 °C, 1000 Hrs)	JESD22-A103	77/0

Note:

* Test requires moisture pre-conditioning sequence per JESD22-A113 and will use the existing moisture sensitivity level that has been qualified for this material set.



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Affected Part Number

Part Number	Part Number	Part Number	Part Number
SSTE32882HLBAKG	SSTE32882KA0AKG	SSTE32882KA1AKG	SSTE32882KA1AKG8
SSTE32882HLBAKG8	SSTE32882KA0AKG8		