



PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : A0911-02R1

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 Chipmos, Taiwan as an alternate assembly facility for 13.5mm x 8.0mm 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 FPBGA-176 (AKG176)

Assembly Material: See Table below

| Description | Existing | Add |
|--------------------|--|----------------------------|
| Assembly Location | Amkor, Philippines; SPIL, Taiwan, StatsChipac, Korea | Chipmos, Taiwan |
| Assembly Materials | Die Attach: Ablestik 2300, Ablestik 2000, Ablestik 2100A | Ablestik 2025D |
| | Wire: Au wire 0.8 mil, 0.8 mil, 0.9 mil | Au wire 0.8 mil |
| | Mold Compound: EME-G770, GE100LFCS, EME-G770 | KE-G1250 |
| | Substrate: BT Resin HL832NX, AUS308 | BT Resin HL832NX, AUS308 |
| | Solder Balls: Sn96.5/Ag3.0/Cu0.5 (Green) | Sn96.5/Ag3.0/Cu0.5 (Green) |



PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : A0911-02R1

Qualification Test Plans and Results :

IDT Qual Plan#: P09-08-06
Qual Vehicle: 13.5mm x 8.0mm FPBGA-176 (3 lots)

| Test Description | Test Method | Test Results (SS / Rej) | | |
|--|---------------|-------------------------|-------|-------|
| | | Lot 1 | Lot 2 | Lot 3 |
| * High Accelerated Stress Test (Biased, 130 °C/85% RH, 100 Hrs) | JESD22-A110-B | 25/0 | 25/0 | 25/0 |
| * Temperature Cycle / Condition B (-55 °C to +125 °C, 500 Cyc) | JESD22-A104-B | 25/0 | 25/0 | 25/0 |
| High Temp. Storage Test (150 °C, 500 Hrs) | JESD22-A103-B | 25/0 | 25/0 | 25/0 |

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.



Integrated Device Technology, Inc.
6024 Silver Creek Valley Road, San Jose, CA - 95138

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT II - PCN # : A0911-02R1

Affected Part Number

| Part Number | Part Number |
|--------------------|--------------------|
| SSTE32882HLBAKG | SSTE32882HLBAKG8 |