



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: A0903-06 Product Affected: SP5, SP5T (14mm x 14mm TQFP-80, standard package) Date Effective: 8-Aug-2009	DATE: 8-May-2009	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input checked="" type="checkbox"/> Back Mark Lot # will have a "I" prefix. <input type="checkbox"/> Date Code <input type="checkbox"/> Other
--	-------------------------	--

Contact: Bimla Paul Title: Product Quality Assurance Phone #: (408) 574-6419 Fax #: (408) 284-8362 E-mail: Bimla.Paul@idt.com	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples: Please contact your local sales representative for sample request & availability.
--	---

DESCRIPTION AND PURPOSE OF CHANGE:

<input type="checkbox"/> Die Technology <input type="checkbox"/> Wafer Fabrication Process <input type="checkbox"/> Assembly Process <input type="checkbox"/> Equipment <input type="checkbox"/> Material <input type="checkbox"/> Testing <input checked="" type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input type="checkbox"/> Other	<p>This notification is to advise our customers that IDT is adding Amkor, Korea as an alternate assembly facility for part# SP5 and SP5T built in 14mm x 14mm TQFP-80, standard version. There is no change to the moisture performance of this package.</p> <p>Attachment I details the qualification data for this change.</p>
--	--

RELIABILITY/QUALIFICATION SUMMARY:
Refer to qualification data shown in attachment I.

CUSTOMER ACKNOWLEDGMENT OF RECEIPT:

IDT records indicate that you require written notification of this change. Please use the acknowledgement below or E-Mail to grant approval or request additional information. If IDT does not receive acknowledgement within 30 days of this notice it will be assumed that this change is acceptable.

IDT reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer: _____	<input type="checkbox"/> Approval for shipments prior to effective date.
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____ DATE: _____



PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : A0903-06

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 Amkor, Korea as an alternate assembly facility for part# SP5 and SP5T built in 14mm x 14mm TQFP-80, standard version. There is no change to the moisture performance of this package using the assembly material set as listed in the below table.

Sample Availability:

Samples are available for customer evaluation.
Please contact your local IDT sales representative for your sample request and availability.

Qualification Information and Qualification Data:

Affected Package: 14mm x 14mm TQFP-80
Assembly Material: See Table below

Description	Existing	Add
Assembly Location	ASAC, China	Amkor, Korea
Assembly Materials	Die Attach: Ablestik 2200	3230
	Wire: 1.0 mil Au wire	1.0 mil Au wire
	Mold Compound: G700	G700
	Lead Frame: Copper Alloy	Copper Alloy
	Plating: Sn/Pb (standard)	Sn/Pb (standard)



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : A0903-06

Qualification Test Plans and Results :

Qual Vehicle: 14mm x 20mm TQFP-100, 3 lots

Test Description	Test Method (Latest specs in effect)	Test Results (SS/Rej)		
		Lot 1	Lot 2	Lot 3
* Temperature Cycling (-65°C to +150°C, 500 cycles)	JESD22-A104	77/0	77/0	77/0
* Biased HAST (130°C, 85% RH, 96 hours)	JESD22-A110	77/0	77/0	77/0
High Temp. Storage (150 °C, 1000 Hrs)	JESD22-A103	77/0	77/0	77/0

Note: * Test require moisture pre-conditioning sequence per JESD22-A113.