



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: A0808-02 DATE: 27-Aug-2008 Product Affected: VFQFP-N-64 and VFQFP-N-72 (Standard and Green) Refer to Attachment II for the affected part numbers Date Effective: 27-Sep-2008	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input checked="" type="checkbox"/> Back Mark Lot # will have "U", "P", "D", "I" or "Y" prefix. <input type="checkbox"/> Date Code <input type="checkbox"/> Other
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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.
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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 UTL, Thailand ; Amkor, Korea ; Amkor, Philippines and Chipmos, Taiwan as alternate assembly facilities for VFQFP-N-64 and VFQFP-N-72, both standard and green version. There is no change to the moisture performance of these packages.</p> <p>Attachment I details the qualification data for this change and Attachment II shows the affected list of part numbers.</p>
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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: _____



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ATTACHMENT I - PCN # : A0808-02

PCN Type: Manufacturing Site - Change of 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 UTL, Thailand ; Amkor, Korea ; Amkor, Philippines and Chipmos, Taiwan as alternate assembly facilities for VFQFP-N-64 and VFQFP-N-72, both standard and green version. There is no change to the moisture performance of these packages using the assembly material set as listed in the below table.

Attachment II shows the affected part numbers.

Sample Availability:

Samples for each package type are available for customer evaluation, but may not be available for all devices.
 Please contact your local IDT sales representative for your sample request and availability.

Qualification Information and Qualification Data:

Affected Packages: VFQFP-N-64 and VFQFP-N-72
Assembly Material: See Table below

Description	Existing	Add
Assembly Location	ASAT, China ; PT Unisem, Indonesia ; Carsem, Malaysia	UTL, Thailand ; Amkor, Korea ; Amkor, Philippines ; Chipmos, Taiwan
Assembly Materials	Die Attach: 2200 / CRM1066C / QMI519	8600; 8290; AMK-06; CRM1076
	Wire: Au wire	Au wire
	Mold Compound: G770	G770; G700; G7470
	Lead Frame: Copper Alloy	Copper Alloy
	Plating: Sn/Pb (standard) and matte 100% Sn (green)	Sn/Pb (standard) and matte 100% Sn (green)



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ATTACHMENT I - PCN # : A0808-02

Test Vehicle: VFQFP-N-64 and VFQFP-N-72

Qualification Test Plan and Results:

Test Description	Test Method (Latest specs in effect)	Test Results (SS/Rej)	
		VFQFP-N-64	VFQFP-N-72
* Temperature Cycling (-65°C to +150°C, 500 cycles)	JESD22-A104	45/0	45/0
* Unbiased HAST (85°C, 85% RH, 100 hours)	JESD22-A118	45/0	45/0
* Auto Clave (121°C, 100% RH, 2 ATM, 96 hours)	JESD22-A102	45/0	45/0
Moisture Sensitivity Classification (L3)	J-STD-020	45/0	45/0

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



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ATTACHMENT II - PCN # : A0808-02

Affected Part Number for VFQFP-N-64

Part Number	Part Number	Part Number	Part Number
ICS954309BKLF	ICS9LPR800CKLFT	ICS9LPRS471AKLFT	ICS9LPRS528BKLF
ICS954309BKLFT	ICS9LPR802BKLF	ICS9LPRS471CKLF	ICS9LPRS528BKLF/W
ICS9LPR309AKLF	ICS9LPR802BKLFT	ICS9LPRS471CKLFT	ICS9LPRS528BKLFT
ICS9LPR309AKLFT	ICS9LPRS228CKLF	ICS9LPRS472BKLF	ICS9LPRS528CKLF
ICS9LPR309BKLF	ICS9LPRS228CKLF/W	ICS9LPRS472BKLFT	ICS9LPRS528CKLFT
ICS9LPR309BKLFT	ICS9LPRS228CKLFT	ICS9LPRS477AKLF	ICS9LRS3165AKLF
ICS9LPR311AKLF	ICS9LPRS319DKLF	ICS9LPRS477AKLFT	ICS9LRS3165AKLFT
ICS9LPR311AKLFT	ICS9LPRS319DKLFT	ICS9LPRS477BKLF	ICS9LRS3166AKLF
ICS9LPR311BKLF	ICS9LPRS319EKLK	ICS9LPRS477BKLFT	ICS9LRS3166AKLFT
ICS9LPR311BKLFT	ICS9LPRS319EKLFT	ICS9LPRS477CKLF	ICS9LVRS100AKLF
ICS9LPR321BKLF	ICS9LPRS355BKLF	ICS9LPRS477CKLFT	ICS9LVRS100AKLFT
ICS9LPR321BKLFT	ICS9LPRS355BKLFT	ICS9LPRS480AKLF	ICS9LVRS100BKLF
ICS9LPR323AKLF	ICS9LPRS355CKLF	ICS9LPRS480AKLFT	ICS9LVRS100BKLFT
ICS9LPR323AKLFT	ICS9LPRS355CKLFT	ICS9LPRS480BKLF	ICS9LVRS100CKLF
ICS9LPR515BKLF	ICS9LPRS357AKLF	ICS9LPRS480BKLFT	ICS9LVRS100CKLFT
ICS9LPR515BKLFT	ICS9LPRS357AKLFT	ICS9LPRS501PKLF	ICS9LVRS129AKLF
ICS9LPR515CKLF	ICS9LPRS365BKLF	ICS9LPRS501PKLFT	ICS9LVRS129AKLFT
ICS9LPR515CKLFT	ICS9LPRS365BKLFT	ICS9LPRS501SKLF	IDTCV169CNLG
ICS9LPR800BKLF	ICS9LPRS365CKLF	ICS9LPRS501SKLFT	IDTCV169CNLG8
ICS9LPR800BKLFT	ICS9LPRS365CKLFT	ICS9LPRS528AKLF	IDTCV179CNLG
ICS9LPR800CKLF	ICS9LPRS471AKLF	ICS9LPRS528AKLFT	IDTCV179CNLG8



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Affected Part Number for VFQFP-N-72

Part Number	Part Number	Part Number	Part Number
ICS932S309CK	ICS9FG1903AKLFT	ICS9LPRS133AKLFT	ICS9LPRS474AKLFT
ICS932S309CKT	ICS9FG1903CKLF	ICS9LPRS133BKLF	ICS9LPRS474DKLF
ICS932S310AKLF	ICS9FG1903CKLFT	ICS9LPRS133BKLFT	ICS9LPRS474DKLFT
ICS932S310AKLFT	ICS9FG1903DKLF	ICS9LPRS138AKLF	ICS9LPRS476AKLF
ICS932S509BKLF	ICS9FG1903DKLFT	ICS9LPRS138AKLFT	ICS9LPRS476AKLFT
ICS932S509BKLFT	ICS9FG1904BK-1LF	ICS9LPRS138BKLF	ICS9LPRS476DKLF
ICS932S509CKLF	ICS9FG1904BK-1LFT	ICS9LPRS138BKLFT	ICS9LPRS476DKLFT
ICS932S509CKLFT	ICS9LPR325CKLF	ICS9LPRS139AKLF	ICS9LPRS476EKLF
ICS932S509DKLF	ICS9LPR325CKLFT	ICS9LPRS139AKLFT	ICS9LPRS476EKLFT
ICS932S509DKLFT	ICS9LPR332AKLF	ICS9LPRS325CKLF	ICS9LPRS476HKLF
ICS932S509EKLFT	ICS9LPR332AKLFT	ICS9LPRS325CKLFT	ICS9LPRS476HKLFT
ICS932S509EKLFT	ICS9LPR333AKLF	ICS9LPRS333AKLF	ICS9LPRS478AKLF
ICS932S890AKLF	ICS9LPR333AKLFT	ICS9LPRS333AKLFT	ICS9LPRS478AKLFT
ICS932S890AKLFT	ICS9LPR333BKLF	ICS9LPRS333CKLF	ICS9LPRS478CKLF
ICS932S890BKLF	ICS9LPR333BKLFT	ICS9LPRS333CKLFT	ICS9LPRS478CKLFT
ICS932S890BKLFT	ICS9LPR333CKLF	ICS9LPRS353ENG1KLF	ICS9LPRS488BKLF
ICS954305DKLF	ICS9LPR333CKLFT	ICS9LPRS353ENG1KLF	ICS9LPRS488BKLFT
ICS954305DKLFT	ICS9LPR333DKLF	ICS9LPRS387AKLF	ICS9LPRS488CKLF
ICS954305DKLFT-TRQ1	ICS9LPR333DKLFT	ICS9LPRS387AKLFT	ICS9LPRS488CKLFT
ICS954305EKLFT	ICS9LPR333EKLFT	ICS9LPRS387BKLF	ICS9LPRS910AKLF
ICS954305EKLFT	ICS9LPR333EKLFT	ICS9LPRS387BKLFT	ICS9LPRS910AKLFT
ICS9EX21801AKLF	ICS9LPR333HKLFT	ICS9LPRS390BKLF	ICS9LPRS910BKLF
ICS9EX21801AKLFT	ICS9LPR333HKLFT	ICS9LPRS390BKLFT	ICS9LPRS910BKLFT
ICS9FG1900AK-1LF	ICS9LPR335BKLF	ICS9LPRS390CKLF	ICS9LPRS910CKLF
ICS9FG1900AK-1LFT	ICS9LPR335BKLFT	ICS9LPRS390CKLFT	ICS9LPRS910CKLFT
ICS9FG1900BK-1LF	ICS9LPR335CKLF	ICS9LPRS392AKLF	ICS9LPRS911BKLF
ICS9FG1900BK-1LFT	ICS9LPR335CKLFT	ICS9LPRS392AKLFT	ICS9LPRS911BKLFT
ICS9FG1901CK	ICS9LPR336AKLF	ICS9LPRS395BKLF	ICS9LPRS914EKLFT
ICS9FG1901CKLFT	ICS9LPR336AKLFT	ICS9LPRS395BKLFT	ICS9LPRS914EKLFT
ICS9FG1901CKLFT	ICS9LPR350AKLF	ICS9LPRS395CKLF	ICS9LPRS915AKLF
ICS9FG1901CKT	ICS9LPR350AKLFT	ICS9LPRS395CKLFT	ICS9LPRS915AKLFT
ICS9FG1901EKLFT	ICS9LPR390AKLF	ICS9LPRS397AKLF	ICS9LPRS918BKLF
ICS9FG1901EKLFT	ICS9LPR390AKLFT	ICS9LPRS397AKLFT	ICS9LPRS918BKLFT
ICS9FG1901HKLFT	ICS9LPR390BKLF	ICS9LPRS397BKLF	ICS9LPRS918CKLF
ICS9FG1901HKLFT	ICS9LPR390BKLFT	ICS9LPRS397BKLFT	ICS9LPRS918CKLFT
ICS9FG1902AK	ICS9LPR390CKLF	ICS9LPRS397CKLF	ICS9LPRS918HKLFT
ICS9FG1902AKLFT	ICS9LPR390CKLFT	ICS9LPRS397CKLFT	ICS9LPRS918HKLFT
ICS9FG1902AKLFT	ICS9LPRS110AKLF	ICS9LPRS397DKLF	ICS9LPRS918JKLF
ICS9FG1902AKT	ICS9LPRS110AKLFT	ICS9LPRS397DKLFT	ICS9LPRS918JKLFT
ICS9FG1903AK-1LF	ICS9LPRS113AKLF	ICS9LPRS397EKLFT	ICS9LPRS919BKLF
ICS9FG1903AK-1LFT	ICS9LPRS113AKLFT	ICS9LPRS397EKLFT	ICS9LPRS919BKLFT
ICS9FG1903AK-2LF	ICS9LPRS114BKLF	ICS9LPRS470BKLF	ICS9LPRS919CKLF
ICS9FG1903AK-2LFT	ICS9LPRS114BKLFT	ICS9LPRS470BKLFT	ICS9LPRS919CKLFT
ICS9FG1903AKLF	ICS9LPRS133AKLF	ICS9LPRS474AKLF	ICS9LPRS919HKLFT



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Part Number	Part Number	Part Number	Part Number
ICS9LPRS919HKLFT	ICS9LPRS929AKLFT	ICSCLK503J45KLF-TRQ	IDTCV153NLG
ICS9LPRS919JKLF	ICS9LVRS128CKLF	ICSCLK503J45KLFT	IDTCV153NLG8
ICS9LPRS919JKLFT	ICS9LVRS128CKLFT	ICSCLK503J45KLFT-TRQ	IDTCV171NLG
ICS9LPRS928AKLF	ICS9LVRS130AKLF	ICSCLK503J45KLFT-TRQ	IDTCV171NLG8
ICS9LPRS928AKLFT	ICS9LVRS130AKLFT	IDTCV145NLG	
ICS9LPRS929AKLF	ICSCLK503J45KLF	IDTCV145NLG8	