



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: <b>A0610-02</b> Product Affected: CABGA, CVBGA, FPBGA, TQFP, PQFP (See attached affected part # list)  Date Effective: <b>16-Jan-2007</b>	DATE: <b>16-Oct-2006</b>	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input checked="" type="checkbox"/> Back Mark      Lot # will have "L" prefix <input type="checkbox"/> Date Code <input type="checkbox"/> Other
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Contact: Geoffrey Cortes Title: Product Quality Assurance Phone #: (408) 284-8321 Fax #: (408) 284-1450 E-mail: <a href="mailto:Geoffrey.Cortes@idt.com">Geoffrey.Cortes@idt.com</a>	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 has qualified ASAT-China as an alternate assembly facility for CABGA, CVBGA, FPBGA, TQFP and PQFP packages. There is no change to the moisture performance of these packages.</p> <p>Attachment I details the qualification results for this change and Attachment II shows the affected list of part numbers.</p>
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**RELIABILITY/QUALIFICATION SUMMARY:**

Refer to qualification results 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"/> <i>Approval for shipments prior to effective date.</i>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

**CUSTOMER COMMENTS:** \_\_\_\_\_

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**IDT ACKNOWLEDGMENT OF RECEIPT:**

RECD. BY: \_\_\_\_\_ DATE: \_\_\_\_\_



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## **PRODUCT/PROCESS CHANGE NOTICE (PCN)**

### **ATTACHMENT I - PCN # : A-0610-02**

**PCN Type:** Manufacturing Site - Alternate Assembly Facility

**Data Sheet Change:** None  
No change in moisture sensitivity levels (MSL)

#### **Detail Of Change:**

This notification is to advise our customers that IDT has qualified ASAT-China as an alternate assembly facility for CABGA, CVBGA, FPBGA, TQFP and PQFP packages using the assembly material set as listed in the tables under each group.

There is no change in the moisture sensitivity level (MSL).

#### **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.



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### ATTACHMENT I - PCN # : A-0610-02

#### Qualification Information and Qualification Data:

#### GROUP 1:

**Affected Packages:** CABGA/CVBGA/FPBGA  
 100L 11x11mm CABGA (BC/BCG100)  
 144L 13x13mm CABGA (BC/BCG144)  
 208L and 256L 17x17mm CABGA (BC/BCG packages)  
 52L and 56L 4.5x7.0mm CVBGA (BV/BVG packages)  
 48L 7.0x7.0mm FPBGA (BF/BFG48)  
 64L 8.0x8.0mm FPBGA (BF/BFG64)  
 96L 5.5x13.5mm FPBGA (BF/BFG96)  
 100L 10x10mm FPBGA (BF/BFG100)  
 114L 5.5x16mm FPBGA (BF/BFG114)  
 144L 12x12mm FPBGA (BF/BFG144)  
 208L 15x15mm FPBGA (BF/BFG208)

**Assembly Material:** See Table below

Description	Existing	Add
Assembly Location	IDT-Penang, Amkor-Philippines, Amkor-Korea, ASE-Taiwan, and AIT	ASAT-China
Assembly Materials	Die Attach: Ablestik 2300/2000	Die Attach: CRM1525D
	Wire: 1.0mil Au	Same
	Mold Compound: EME-G770/G760	Mold Compound: KMC2520AL
	Substrate: BT	Same
	Solder Balls: Sn/Pb (standard) and Sn/Ag/Cu (green)	Same



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT I - PCN # : A-0610-02

#### Qualification Test Results:

**Test Vehicles:** 52L 4.5x7.0mm CVBGA (Green), 1 lot  
96L 5.5x13.5mm FPBGA (Green), 1 lot  
200L 13.0x13.0mm FPBGA (Green), 1 lot

Test Description	Test Method	Test Results (SS/Rej), 1 lot, 52L CVBGA	Test Results (SS/Rej), 1 lot, 96L FPBGA
* Temperature Cycling (Cond B, 1000 cycles)	JESD22-A104	** 77/0	45/0
* HAST (130°C, 85% RH, 100 hours)	JESD22-A110	** 45/0	45/0
High Temperature Stabilization Bake (150 °C, 1000 hours)	JESD22-A103	77/0	** 77/0
Moisture Sensitivity Classification, L3	J-STD-020	90/0	90/0

**Notes:** \* Test requires moisture pre-conditioning sequence per JESD22-A113.  
\*\* Test using vehicle 200L 13.0x13.0mm FPBGA



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#### GROUP 2:

**Affected Packages:** TQFP  
144L 20x20mm (DA/DAG144)  
44L and 64L 10x10mm (PP/PPG packages)  
32L 7x7mm (PR/PRG32)  
64L, 80L, 100L and 120L 14x14mm (PN/PNG packages)

**Assembly Material:** See Table below

Description	Existing	Add
Assembly Location	IDT-Penang, Amkor-Philippines, Amkor-Korea, and AIT	ASAT-China
Assembly Materials	Die Attach: Ablestik 3220/8390/ 2200/8360, CRM1076/1078, 84- 1LMISR4	Die Attach: Ablestik A2200
	Wire: 1.0/1.3mil Au	Same
	Mold Compound: EME-G700 7320/7351T	Mold Compound: EME-G700
	Lead Frame: Copper Alloy	Same
	Plating: Sn/Pb (standard) and matte 100% Sn (green products)	Same



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT I - PCN # : A-0610-02

#### Qualification Test Results:

**Test Vehicles:** 64L 10.0x10.0mm TQFP (Green), 1 lot

Test Description	Test Method	Test Results (SS/Rej)
* Temperature Cycling (Cond B, 1000 cycles)	JESD22-A104	45/0
* HAST (130°C, 85% RH, 100 hours)	JESD22-A110	45/0
High Temperature Stabilization Bake (150 °C, 1000 hours)	JESD22-A103	77/0
Auto Clave (121°C, 100% RH, 168 hours)	JESD22-A102	44/0
Moisture Sensitivity Classification, L3	J-STD-020	90/0

**Notes:** \* Test requires moisture pre-conditioning sequence per JESD22-A113.

#### Tin Whisker Evaluation Test Results

**Test Vehicle:** 48L 7x7x1.4mm TQFP, 3 lots

Test Description	Test Condition	Test Duration	Spec Limits	Test Results (SS/Rej)
Storage Test	25°C/30% - 80% RH	0, 1000, 2000 hours	40µm max.	9/0, 9/0, 9/0
Aging	60°C / 90% RH	0, 1000, 2000 hours	40µm max.	9/0, 9/0, 9/0
Temperature Cycling	-55°C to +85°C	0, 500 cycles	40µm max.	9/0, 9/0, 9/0



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### ATTACHMENT I - PCN # : A-0610-02

**GROUP 3:**

**Affected Packages:** PQFP  
64L and 80L 14x14mm (PM/PMG packages)  
100L 14x20mm (PM/PMG100)  
144L, 160L and 208L 28x28mm (PM/PMG packages)  
52L 14x14mm (DN/DNG52)  
44L 10x10mm (DB/DBG44)

**Assembly Material:** See Table below

Description	Existing	Add
Assembly Location	IDT-Penang, Amkor-Korea, and AIT	ASAT-China
Assembly Materials	Die Attach: Ablestik 84-1LMISR4, CRM1076, 8390, 8360	Die Attach: Ablestik A2200
	Wire: 1.0/1.3mil Au	Same
	Mold Compound: EME-G700/6600, MP800, 7320	Mold Compound: EME-G700
	Lead Frame: Copper Alloy	Same
	Plating: Sn/Pb (standard) and matte 100% Sn (green products)	Same



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT I - PCN # : A-0610-02

#### Qualification Test Results:

**Test Vehicles:** 64L 14x14mm PQFP, 3 lots  
100L 14x20mm PQFP, 3 lots

Test Description	Test Method	Test Results (SS/Rej), 3 lots, 64L PQFP	Test Results (SS/Rej), 3 lots, 100L PQFP
* Temperature Cycling (Cond B, 1000 cycles)	JESD22-A104	45/0, 45/0, 45/0	45/0, 45/0, 45/0
* Autoclave (121°C, Saturated Steam, 96 hours)	JESD22-A102	45/0, 45/0, 45/0	45/0, 45/0, 45/0
High Temperature Stabilization Bake (150 °C, 1000 hours)	JESD22-A103	77/0, 77/0, 77/0	77/0, 77/0, 77/0
Moisture Sensitivity Classification, L3	J-STD-020	90/0, 90/0, 90/0	90/0, 90/0, 90/0

**Notes:** \* Test requires moisture pre-conditioning sequence per JESD22-A113.

#### Tin Whisker Evaluation Test Results

**Test Vehicle:** 100L 14x20x2.7mm PQFP, 3 lots

Test Description	Test Condition	Test Duration	Spec Limits	Test Results (SS/Rej)
Storage Test	25°C/30% - 80% RH	0, 1000, 2000 hours	40µm max.	9/0, 9/0, 9/0
Aging	60°C / 90% RH	0, 1000, 2000 hours	40µm max.	9/0, 9/0, 9/0
Temperature Cycling	-55°C to +85°C	0, 500 cycles	40µm max.	9/0, 9/0, 9/0





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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN #: A-0610-02

#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
ICS1531Y-100	ICS8427DY-02	ICS8432DY-101	ICS853210BY
ICS1531Y-140	ICS8427DY-02LF	ICS8432DY-101LF	ICS854210CY
ICS1531Y-140LF	ICS843020AY-01	ICS8432DYI-101	ICS8602BY
ICS1531Y-165	ICS843020AY-01LF	ICS8432DYI-101LF	ICS8602BYLF
ICS1892Y-10	ICS8430AY-61	ICS84330AY-03	ICS8624BY
ICS1892Y-10LF	ICS8430AY-61LF	ICS84330AY-03LF	ICS8624BYI
ICS1892Y-14	ICS8430AY-71	ICS84330BY	ICS8624BYILF
ICS1892Y-14LF	ICS8430AYI-61	ICS84330BYLF	ICS8624BYLF
ICS8312AY	ICS8430AYI-61LF	ICS84330BYLN	ICS8634BY-01
ICS8312AYI	ICS8430AYI-71	ICS84330CY	ICS8634BY-01LF
ICS8312AYILF	ICS8430AYI-71LF	ICS84330CYI	ICS86953BYI
ICS8312AYLF	ICS8430BY-71	ICS84330CYLN	ICS86953BYI-147
ICS8343AY-01	ICS8430BY-71LF	ICS844008AY-16	ICS86953BYI-20
ICS8343AY-01LF	ICS8430BYI-71LF	ICS844008AYI-15	ICS86962CYI-01
ICS8343AYI-01	ICS8430DY-111	ICS844008AYI-15LF	ICS8705BY
ICS8343YI	ICS8430DY-111LF	ICS844008AYI-15TT	ICS8705BYI
ICS83940AY-02	ICS8430EY-01	ICS8442AY	ICS8705BYILF
ICS83940AY-02LF	ICS8430EY-01LF	ICS8442AYI	ICS8705BYLF
ICS83940BY	ICS8430EY-11	ICS8442AYILF	ICS8725AY-01
ICS83940BYLF	ICS8430EY-11LF	ICS8442AYLF	ICS8725AY-01LF
ICS83940DY	ICS8430EYI-01	ICS85210AY-21	ICS8725AYI-01
ICS83940DY-01	ICS8430EYI-11	ICS85210AY-31	ICS8733BY-01
ICS83940DY-01LF	ICS84314AY	ICS85210AY-31LF	ICS8733BY-01LF
ICS83940DYI	ICS84314AY-01	ICS8521AYI-03	ICS8735AY-01
ICS83940DYI-01	ICS84314AY-02	ICS8521AYI-03LN	ICS8735AY-01LF
ICS83940DYI-01LF	ICS84314AY-02LF	ICS8521BY	ICS8735AY-31
ICS83940DYLF	ICS84314AYLF	ICS8521BYI	ICS8735AYI-01
ICS83940LYI	ICS84314BY	ICS8521BYILF	ICS8735AYI-31
ICS83947AYI	ICS843202AYI	ICS8521BYLF	ICS8745BY
ICS83947AYI-147	ICS843202AYILF	ICS8521BYLN	ICS8745BYI
ICS83947AYI-147LF	ICS84320AY-01	ICS853031AY	ICS8745BYILF
ICS83947AYILN	ICS84320AY-01LN	ICS853031AYLF	ICS8745BYLF
ICS83948AYI	ICS84320AYI-01	ICS85310AYI-01	ICS8752CY
ICS83948AYI-01	ICS84321AY	ICS85310AYI-01LF	ICS8752CYI
ICS83948AYI-01LF	ICS84321AYI	ICS85310AYI-01LN	ICS8752CYLF
ICS83948AYI-147	ICS84321AYLF	ICS85310AYI-11	ICS87608AYI
ICS83948AYI-147LF	ICS84329BY	ICS85310AYI-21	ICS87608AYILF
ICS83948AYILF	ICS84329BYLF	ICS85310AYI-21LN	ICS8761CY
ICS84021AY	ICS8432BY-51	ICS85310AYI-31	ICS8761CYI
ICS84021AYLF	ICS8432BY-51LF	ICS853111AY	ICS8761CYILF
ICS8402AY	ICS8432BYI-51	ICS853111AYLF	ICS8761CYLF
ICS8402AYI	ICS8432CY-11	ICS8531AY-01	ICS8761CYLN
ICS8402AYILF	ICS8432CY-111	ICS8531AY-01LF	ICS87931BYI
ICS8402AYLF	ICS8432CY-111LF	ICS853210AY	ICS87946AYI

Notes: For T & R (shipping method) "8" is added to the IDT p/n and "T" is added to the ICS p/n.



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### ATTACHMENT II - PCN #: A-0610-02

#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
ICS87946AYI-01	ICSSSTU32864AH	IDT709159L9BFI	IDT70T3339S133BF
ICS87946AYI-147	ICSSSTU32864AH	IDT709169L6BF	IDT70T3339S133BFI
ICS87946AYI-147LF	ICSSSTU32864AHLF	IDT709169L7BF	IDT70T3339S166BC
ICS87946AYILF	ICSSSTUA32864BH	IDT709169L7BFI	IDT70T3339S166BCI
ICS87950BYI	ICSSSTUA32864BHLF	IDT709169L9BF	IDT70T3339S166BF
ICS87950BYILF	ICSSSTUA32864BHLF_	IDT709169L9BFI	IDT70T3339S200BC
ICS87951AYI	ICSSSTUA32864CH	IDT709349L6BF	IDT70T3339S200BCG
ICS87951AYI-147	ICSSSTUA32864CHLF	IDT709349L7BF	IDT70T3399S133BC
ICS87951AYI-147LF	ICSSSTUA32866ASHLF	IDT709349L7BFI	IDT70T3399S133BCI
ICS87951AYILF	ICSSSTUA32866BHLF	IDT709349L9BF	IDT70T3399S133BF
ICS87952AY-147	ICSSSTUA32866BHLF_	IDT709349L9BFI	IDT70T3399S133BFI
ICS87952AY-147LF	ICSSSTUA32866CH	IDT709359L6BF	IDT70T3399S166BC
ICS87952AYI-147	ICSSSTUA32866DHLF	IDT709359L7BF	IDT70T3399S166BCI
ICS87952AYI-147LF	ICSSSTUB32864AH	IDT709359L7BFI	IDT70T3399S166BF
ICS87993AYI	ICSSSTUB32864AHLF	IDT709359L9BF	IDT70T3399S200BC
ICS87993AYILF	ICSSSTUB32864BHLF	IDT709359L9BFI	IDT70T34L20BF
ICS9281BYLF	ICSSSTUB32866BHLF	IDT70T05L20BF	IDT70T34L25BF
ICS932S803AYLF	ICSSSTUB32866CHLF	IDT70T05L25BF	IDT70T34L25BFI
ICS95V2F857AH	ICSSSTUBV32866BHLF	IDT70T05L25BFI	IDT70T3519S133BC
ICS95V2F857AHLF	ICSSSTUF32864AH	IDT70T06L20BF	IDT70T3519S133BCG
ICS95V857AH	ICSSSTUF32864AHLF	IDT70T06L25BF	IDT70T3519S133BCI
ICS95V857AHLF	ICSSSTUF32864AHLF-SEC	IDT70T06L25BFI	IDT70T3519S133BF
ICS95VLP857AH	ICSSSTUF32864BH	IDT70T15L20BF	IDT70T3519S133BFGI
ICS95VLP857AHLF	ICSSSTUF32864BHLF	IDT70T15L25BF	IDT70T3519S133BFI
ICS97U2A877AHLF	ICSSSTUF32864CH	IDT70T15L25BFI	IDT70T3519S166BC
ICS97U870AH	ICSSSTUF32864CHLF	IDT70T16L20BF	IDT70T3519S166BCI
ICS97U870AHI	ICSSSTUF32864EH	IDT70T16L25BF	IDT70T3519S166BF
ICS97U877AH	ICSSSTUF32864EHLF	IDT70T16L25BFI	IDT70T3519S166BFG
ICS97U877AH_	ICSSSTUF32866AH	IDT70T24L20BF	IDT70T3519S200BC
ICS97U877AHLF	ICSSSTUF32866AHLF	IDT70T24L25BF	IDT70T3519S200BCG
ICS97U877BH	ICSSSTUF32866EH	IDT70T24L25BFI	IDT70T3539MS133BC
ICS97UA877AH	ICSSSTUF32866EHLF	IDT70T25L20BF	IDT70T3539MS133BCG
ICS97UA877AHLF	ICSSSTV32852AH	IDT70T25L25BF	IDT70T3539MS133BCI
ICS97ULP877AH	ICSSSTVA32852AH	IDT70T25L25BFI	IDT70T3539MS166BC
ICS97ULP877AHLF	ICSSSTVA32852BH	IDT70T3319S133BC	IDT70T3539MS166BCG
ICS97ULP877BH	ICSSSTVA32852CH	IDT70T3319S133BCI	IDT70T3589S133BC
ICS97ULP877BHLF	IDT5T9955BFGI	IDT70T3319S133BF	IDT70T3589S133BCI
ICS97ULP878AH	IDT5T9955BFI	IDT70T3319S133BFI	IDT70T3589S133BF
ICS97ULP878AHLF	IDT5V9955BFGI	IDT70T3319S166BC	IDT70T3589S133BFI
ICS97ULP878BH	IDT5V9955BFI	IDT70T3319S166BCI	IDT70T3589S166BC
ICS97ULP878BHLF	IDT709159L6BF	IDT70T3319S166BF	IDT70T3589S166BCI
ICS97ULPA877AH	IDT709159L7BF	IDT70T3319S200BC	IDT70T3589S166BF
ICS97ULPA877AHLF	IDT709159L7BFI	IDT70T3339S133BC	IDT70T3589S200BC
ICS98ULPA877FHLF	IDT709159L9BF	IDT70T3339S133BCI	IDT70T3599S133BC

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#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
IDT70T3599S133BCI	IDT70T651S10BFI	IDT70T9349L9BF	IDT70V3389S5BC
IDT70T3599S133BF	IDT70T651S12BC	IDT70T9349L9BFI	IDT70V3389S5BCI
IDT70T3599S133BFI	IDT70T651S12BCI	IDT70T9359L12BF	IDT70V3389S5BF
IDT70T3599S166BC	IDT70T651S12BF	IDT70T9359L12BFI	IDT70V3389S5BFI
IDT70T3599S166BCI	IDT70T651S12BFI	IDT70T9359L7BF	IDT70V3389S6BC
IDT70T3599S166BF	IDT70T651S15BC	IDT70T9359L9BF	IDT70V3389S6BF
IDT70T3599S166BFG	IDT70T651S15BF	IDT70T9359L9BFI	IDT70V3389S6BFG
IDT70T3599S200BC	IDT70T651S8BC	IDT70V24L15BF	IDT70V3399S133BC
IDT70T3599S200BCG	IDT70T651S8BF	IDT70V24L20BF	IDT70V3399S133BCI
IDT70T35L20BF	IDT70T651S8BFG	IDT70V24L20BFI	IDT70V3399S133BF
IDT70T35L25BF	IDT70T653MS10BC	IDT70V24L25BF	IDT70V3399S133BFG
IDT70T35L25BFI	IDT70T653MS10BCG	IDT70V24VL55BF	IDT70V3399S133BFGI
IDT70T631S10BC	IDT70T653MS12BC	IDT70V24VL55BFI	IDT70V3399S133BFI
IDT70T631S10BCI	IDT70T653MS12BCG	IDT70V25L15BF	IDT70V3399S166BC
IDT70T631S10BF	IDT70T653MS12BCGI	IDT70V25L20BF	IDT70V3399S166BF
IDT70T631S10BFI	IDT70T653MS12BCI	IDT70V25L25BF	IDT70V3569S4BC
IDT70T631S12BC	IDT70T653MS15BC	IDT70V27L15BF	IDT70V3569S4BCG
IDT70T631S12BCI	IDT70T659S10BC	IDT70V27L20BFI	IDT70V3569S4BF
IDT70T631S12BF	IDT70T659S10BCI	IDT70V27L25BF	IDT70V3569S4BFG
IDT70T631S12BFI	IDT70T659S10BF	IDT70V27L25BFI	IDT70V3569S5BC
IDT70T631S15BC	IDT70T659S10BFGI	IDT70V27S15BF	IDT70V3569S5BCI
IDT70T631S15BF	IDT70T659S10BFI	IDT70V27S20BF	IDT70V3569S5BF
IDT70T631S8BC	IDT70T659S12BC	IDT70V27S20BFI	IDT70V3569S5BFG
IDT70T631S8BF	IDT70T659S12BCI	IDT70V27S25BF	IDT70V3569S5BFGI
IDT70T633S10BC	IDT70T659S12BF	IDT70V3319S133BC	IDT70V3569S5BFI
IDT70T633S10BCI	IDT70T659S12BFI	IDT70V3319S133BCGI	IDT70V3569S6BC
IDT70T633S10BF	IDT70T659S15BC	IDT70V3319S133BCI	IDT70V3569S6BCI
IDT70T633S10BFGI	IDT70T659S15BF	IDT70V3319S133BF	IDT70V3569S6BF
IDT70T633S10BFI	IDT70T659S8BC	IDT70V3319S133BFI	IDT70V3569S6BFG
IDT70T633S12BC	IDT70T659S8BF	IDT70V3319S166BC	IDT70V3579S4BC
IDT70T633S12BCI	IDT70T659S8BFG	IDT70V3319S166BF	IDT70V3579S4BCG
IDT70T633S12BF	IDT70T9159L12BF	IDT70V3379S4BC	IDT70V3579S4BF
IDT70T633S12BFI	IDT70T9159L12BFI	IDT70V3379S4BCG	IDT70V3579S5BC
IDT70T633S15BC	IDT70T9159L7BF	IDT70V3379S4BF	IDT70V3579S5BCGI
IDT70T633S15BF	IDT70T9159L9BF	IDT70V3379S5BC	IDT70V3579S5BCI
IDT70T633S8BC	IDT70T9159L9BFI	IDT70V3379S5BCI	IDT70V3579S5BF
IDT70T633S8BCG	IDT70T9169L12BF	IDT70V3379S5BF	IDT70V3579S5BFI
IDT70T633S8BF	IDT70T9169L12BFI	IDT70V3379S5BFI	IDT70V3579S6BC
IDT70T633S8BFG	IDT70T9169L7BF	IDT70V3379S6BC	IDT70V3579S6BCI
IDT70T651S10BC	IDT70T9169L9BF	IDT70V3379S6BF	IDT70V3579S6BF
IDT70T651S10BCGI	IDT70T9169L9BFI	IDT70V3389S4BC	IDT70V3579S6BFI
IDT70T651S10BCI	IDT70T9349L12BF	IDT70V3389S4BCG	IDT70V3589S133BC
IDT70T651S10BF	IDT70T9349L12BFI	IDT70V3389S4BF	IDT70V3589S133BCI
IDT70T651S10BFGI	IDT70T9349L7BF	IDT70V3389S4BFG	IDT70V3589S133BF

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Integrated Device Technology, Inc.  
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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN #: A-0610-02

#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
IDT70V3589S133BFI	IDT70V631S12BFGI	IDT70V659S12BC	IDT70V7519S200BC
IDT70V3589S150BF	IDT70V631S12BFI	IDT70V659S12BCI	IDT70V7599S133BC
IDT70V3589S166BC	IDT70V631S15BC	IDT70V659S12BF	IDT70V7599S133BCI
IDT70V3589S166BCG	IDT70V631S15BF	IDT70V659S12BFG	IDT70V7599S133BF
IDT70V3589S166BF	IDT70V639S10BC	IDT70V659S12BFGI	IDT70V7599S133BFI
IDT70V3589S166BFG	IDT70V639S10BCG	IDT70V659S12BFI	IDT70V7599S166BC
IDT70V3589S200BC	IDT70V639S10BF	IDT70V659S15BC	IDT70V7599S166BCI
IDT70V3599S100BC	IDT70V639S12BC	IDT70V659S15BCG	IDT70V7599S166BF
IDT70V3599S100BF	IDT70V639S12BCI	IDT70V659S15BF	IDT70V7599S200BC
IDT70V3599S133BC	IDT70V639S12BF	IDT70V7319S133BC	IDT70V9159L6BF
IDT70V3599S133BCGI	IDT70V639S12BFGI	IDT70V7319S133BCI	IDT70V9159L7BF
IDT70V3599S133BCI	IDT70V639S12BFI	IDT70V7319S133BF	IDT70V9159L7BFI
IDT70V3599S133BF	IDT70V639S15BC	IDT70V7319S133BFI	IDT70V9159L9BF
IDT70V3599S133BFG	IDT70V639S15BF	IDT70V7319S166BC	IDT70V9159L9BFI
IDT70V3599S133BFGI	IDT70V657S10BC	IDT70V7319S166BCI	IDT70V9169L6BF
IDT70V3599S133BFI	IDT70V657S10BCG	IDT70V7319S166BF	IDT70V9169L7BF
IDT70V3599S150BF	IDT70V657S10BF	IDT70V7319S200BC	IDT70V9169L7BFI
IDT70V3599S166BC	IDT70V657S10BFG	IDT70V7339S133BC	IDT70V9169L9BF
IDT70V3599S166BCG	IDT70V657S12BC	IDT70V7339S133BCI	IDT70V9169L9BFI
IDT70V3599S166BF	IDT70V657S12BCI	IDT70V7339S133BF	IDT70V9349L6BF
IDT70V3599S166BFG	IDT70V657S12BF	IDT70V7339S133BFG	IDT70V9349L7BF
IDT70V3599S200BF	IDT70V657S12BFGI	IDT70V7339S133BFI	IDT70V9349L7BFI
IDT70V3599S66BC	IDT70V657S12BFI	IDT70V7339S166BC	IDT70V9349L9BF
IDT70V5378S100BC	IDT70V657S15BC	IDT70V7339S166BCGI	IDT70V9349L9BFI
IDT70V5378S100BCI	IDT70V657S15BCG	IDT70V7339S166BCI	IDT70V9359L6BF
IDT70V5378S133BC	IDT70V657S15BCI	IDT70V7339S166BF	IDT70V9359L7BF
IDT70V5378S133BCI	IDT70V657S15BF	IDT70V7339S166BFG	IDT70V9359L7BFI
IDT70V5378S166BC	IDT70V658S10BC	IDT70V7339S200BC	IDT70V9359L9BF
IDT70V5378S166BCI	IDT70V658S10BCG	IDT70V7339S200BCG	IDT70V9359L9BFI
IDT70V5378S200BC	IDT70V658S10BF	IDT70V7399S133BC	IDT71T016SA12BF
IDT70V5388S100BC	IDT70V658S10BFG	IDT70V7399S133BCI	IDT71T016SA12BFI
IDT70V5388S100BCI	IDT70V658S12BC	IDT70V7399S133BF	IDT71T016SA15BF
IDT70V5388S133BC	IDT70V658S12BCI	IDT70V7399S133BFI	IDT71T016SA15BFI
IDT70V5388S133BCI	IDT70V658S12BF	IDT70V7399S166BC	IDT71T016SA20BF
IDT70V5388S166BC	IDT70V658S12BFGI	IDT70V7399S166BCI	IDT71T016SA20BFI
IDT70V5388S166BCI	IDT70V658S12BFI	IDT70V7399S166BF	IDT71V016SA10BF
IDT70V5388S200BC	IDT70V658S15BC	IDT70V7399S200BC	IDT71V016SA10BFG
IDT70V5388S200BCG	IDT70V658S15BF	IDT70V7519S133BC	IDT71V016SA10BFGI
IDT70V631S10BC	IDT70V658S15BFG	IDT70V7519S133BCI	IDT71V016SA10BFI
IDT70V631S10BF	IDT70V658S15BFI	IDT70V7519S133BF	IDT71V016SA12BF
IDT70V631S10BFG	IDT70V659S10BC	IDT70V7519S133BFI	IDT71V016SA12BF1
IDT70V631S12BC	IDT70V659S10BCG	IDT70V7519S166BC	IDT71V016SA12BFG
IDT70V631S12BCI	IDT70V659S10BF	IDT70V7519S166BCI	IDT71V016SA12BFG1
IDT70V631S12BF	IDT70V659S10BFG	IDT70V7519S166BF	IDT71V016SA12BFGI

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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN #: A-0610-02

#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
IDT71V016SA12BFI	IDT72V283L7-5BC	IDT74SSTUA32866BFG	IDT79RC32H435-300BC
IDT71V016SA15BF	IDT72V283L7-5BCI	IDT74SSTUA32866CBFG	IDT79RC32H435-300BCG
IDT71V016SA15BF1	IDT72V293L6BC	IDT74SSTUA32866MBFG	IDT79RC32H435-300BCGI
IDT71V016SA15BFG	IDT72V293L6BCG	IDT74SSTUB32864ABFG	IDT79RC32H435-300BCI
IDT71V016SA15BFGI	IDT72V293L7-5BC	IDT74SSTUB32866ABFG	IDT79RC32H435-350BC
IDT71V016SA15BFI	IDT72V293L7-5BCI	IDT74SSTUB32866BBFG	IDT79RC32H435-350BCG
IDT71V016SA20BF	IDT72V70210DA	IDT74SSTUB32866MBFG	IDT79RC32H435-350BCGI
IDT71V016SA20BF1	IDT72V70210DAG	IDT74SSTUE32864CBFG	IDT79RC32H435-350BCI
IDT71V016SA20BFG	IDT72V70840DA	IDT74SSTUE32864DBFG	IDT79RC32H435-400BC
IDT71V016SA20BFGI	IDT72V70840DAG	IDT74SSTUE32864GBFG	IDT79RC32H435-400BCG
IDT71V016SA20BFI	IDT72V71623BC	IDT74SSTUE32864HBFG	IDT79RC32T336-150BC
IDT728981DB	IDT72V71623DA	IDT74SSTUE32866HBFG	IDT79RC32T336-150BCG
IDT72V2103L6BC	IDT72V71623DAG	IDT75N414S100BC	IDT79RC32T365-150BC
IDT72V2103L6BCG	IDT72V71643BC	IDT75N414S125BC	IDT79RC32T365-150BCG
IDT72V2103L7-5BC	IDT72V71643DA	IDT75N43102S50BC	IDT79RC32T365-150BCGI
IDT72V2103L7-5BCI	IDT72V71643DAG	IDT75N43102S50BCG	IDT79RC32T365-150BCI
IDT72V2113L6BC	IDT72V73260DA	IDT75N43102S50BCGI	IDT79RC32V364-100DA
IDT72V2113L6BCG	IDT72V73260DAG	IDT75N43102S50BCI	IDT79RC32V364-100DAG
IDT72V2113L7-5BC	IDT72V90823BC	IDT75N43102S62BC	IDT79RC32V364-133DA
IDT72V2113L7-5BCGI	IDT74ALVCH32244BF	IDT75N43102S62BCG	IDT79RC32V364-133DAG
IDT72V2113L7-5BCI	IDT74ALVCH32244BFG	IDT75N514S100BC	IDT821034DN
IDT72V223L6BC	IDT74ALVCH32245BF	IDT75N514S125BC	IDT82V2044DA
IDT72V223L7-5BC	IDT74ALVCH32245BFG	IDT77V011L155DA	IDT82V2044DAG
IDT72V223L7-5BCI	IDT74ALVCH32374BF	IDT77V400S156BC	IDT82V2048DA
IDT72V233L6BC	IDT74ALVCH32374BFG	IDT77V400S156BCG	IDT82V2048DAG
IDT72V233L7-5BC	IDT74ALVCH32501BF	IDT77V500S25BC	IDT82V2048LDA
IDT72V233L7-5BCI	IDT74AUCR16245BVI	IDT79RC32H434-266BC	IDT82V2048LDAG
IDT72V243L6BC	IDT74LVCH32245ABF	IDT79RC32H434-266BCG	IDT82V2048SDA
IDT72V243L7-5BC	IDT74LVCH32245ABFG	IDT79RC32H434-266BCG	IDT82V2048SDAG
IDT72V243L7-5BCI	IDT74SSTU32864ABFG	IDT79RC32H434-266BCI	IDT82V2054DA
IDT72V253L6BC	IDT74SSTU32864BFG	IDT79RC32H434-300BC	IDT82V2054DAG
IDT72V253L6BCG	IDT74SSTU32864CBFG	IDT79RC32H434-300BCG	IDT82V2058DA
IDT72V253L7-5BC	IDT74SSTU32864DBF	IDT79RC32H434-300BCG	IDT82V2058DAG
IDT72V253L7-5BCI	IDT74SSTU32864DBFG	IDT79RC32H434-300BCI	IDT82V2058LDA
IDT72V263L6BC	IDT74SSTU32864GBFG	IDT79RC32H434-350BC	IDT82V2058LDAG
IDT72V263L6BCG	IDT74SSTU32864HBF	IDT79RC32H434-350BCG	IDT82V2058XDA
IDT72V263L7-5BC	IDT74SSTU32864HBFG	IDT79RC32H434-350BCG	IDT82V2058XDAG
IDT72V263L7-5BCI	IDT74SSTU32864MBFG	IDT79RC32H434-350BCI	IDT82V3288BC
IDT72V273L6BC	IDT74SSTU32866BBFG	IDT79RC32H434-400BC	IDT98ULPA877AHLF
IDT72V273L7-5BC	IDT74SSTU32866MBFG	IDT79RC32H434-400BCG	IDTCSPT857ABV
IDT72V273L7-5BCGI	IDT74SSTUA32864BFG	IDT79RC32H435-266BC	IDTCSPT857CBVG
IDT72V273L7-5BCI	IDT74SSTUA32866ABFG	IDT79RC32H435-266BCG	IDTCSPT857DBVG
IDT72V283L6BC	IDT74SSTUA32866BBFG	IDT79RC32H435-266BCG	IDTCSPU877ABVG
IDT72V283L6BCG	IDT74SSTUA32866BF	IDT79RC32H435-266BCI	IDTCSPU877BVG

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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN #: A-0610-02

#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
IDTCSPU877DBVG	MPC9230AC	MPC9352FA	MPC9456FA
IDTCSPUA877ABVG	MPC9230FA	MPC93H51AC	MPC9608AC
IDTCSPUA877BVG	MPC9239AC	MPC93H51FA	MPC9608FA
IDTCSPUA878BVG	MPC9239FA	MPC93H52AC	MPC961CAC
IDTCSPUE877BVG	MPC92429AC	MPC93H52FA	MPC961CFA
MC100ES6111AC	MPC92429FA	MPC93R51AC	MPC961PAC
MC100ES6111FA	MPC92439AC	MPC93R51FA	MPC961PFA
MC100ES6210AC	MPC92439FA	MPC93R52AC	MPC9653AAC
MC100ES6210FA	MPC92469AC	MPC93R52FA	MPC9653AFA
MC100ES6226AC	MPC92469FA	MPC940LAC	MPC9658AC
MC100ES6226FA	MPC930FA	MPC940LFA	MPC9658FA
MC100ES6254AC	MPC9315AC	MPC942CAC	MPC96877VK
MC100ES6254FA	MPC9315FA	MPC942CFA	MPC9824FA
MC100ES8014DT	MPC9330AC	MPC942PAC	MPC9992AC
MC100ES8111AC	MPC9330FA	MPC942PFA	MPC9992FA
MC100ES8111FA	MPC9331AC	MPC9446AC	MPC9993AC
MC12429FA	MPC9331FA	MPC9446FA	MPC9993FA
MC12430FA	MPC9350AC	MPC9447AC	MPC99J93AC
MPC9109AC	MPC9350FA	MPC9447FA	MPC99J93FA
MPC9109FA	MPC9351AC	MPC9448AC	
MPC9229AC	MPC9351FA	MPC9448FA	
MPC9229FA	MPC9352AC	MPC9456AC	

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