



Integrated Device Technology, Inc.  
2975 Stender Way, Santa Clara, CA - 95054

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **A-0504-02**                      DATE: 5/2/2005  
 Product Affected: Please see attachment  
  
 Date Effective: 8/1/2005

MEANS OF DISTINGUISHING CHANGED DEVICES:  
 Product Mark  
 Back Mark              Lot # will have "C" prefix  
 Date Code  
 Other

Contact: Geoffrey Cortes  
 Title: Manager, Corporate Quality & Reliability                      Attachment:  Yes                       No  
 Phone #: (408) 492-8321  
 Fax #: (408) 727-2328                      Samples: Please contact your local sales representative for  
 E-mail: [Geoffrey.Cortes@idt.com](mailto:Geoffrey.Cortes@idt.com)                      sample request & availability.

### DESCRIPTION AND PURPOSE OF CHANGE:

- |  |   |
|--|---|
| <input type="checkbox"/> Die Technology<br><input type="checkbox"/> Wafer Fabrication Process<br><input type="checkbox"/> Assembly Process<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> Material<br><input type="checkbox"/> Testing<br><input checked="" type="checkbox"/> Manufacturing Site<br><input type="checkbox"/> Data Sheet<br><input type="checkbox"/> Other | <p>This notification is to advise our customers that IDT is planning to transfer the assembly of selective plastic packages from IDT Manila, Philippines facility to OSE Philippines, an IDT qualified assembly subcontractor. Attachment 1 outlines the qualification plan<br/>Attachment 2 shows the affected device list</p> <p>A follow-up letter with complete qualification data will be sent 30 days prior to first customer shipments</p> |
|--|---|

### RELIABILITY/QUALIFICATION SUMMARY:

There is no expected change to the product quality or reliability performance.

### 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: \_\_\_\_\_  ***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 1 - PCN # : A-0504-02

**PCN Type:** Assembly Transfer

**Data Sheet Change:** None.

#### Detail Of Change:

This notification is to advise our customers that IDT is planning to transfer the assembly of selective plastic packages from IDT Manila, Philippines facility to OSE Philippines, an IDT qualified assembly subcontractor. OSE Philippines assembly location has been qualified by IDT since 1999 (PCN# G9908-06) for selective plastic packages. OSE Philippines will use IDT qualified assembly material (mold compound, die attach etc.). Therefore, the assembly transfer is not expected to have any adverse impact on the product quality or reliability.

Attachment 1 outlines the qualification plan

Attachment 2 shows the affected device list

Customers may expect to receive shipments no sooner than 90 days from the date of this notification, August 01, 2005. A follow-up letter with qualification data will be sent 30 days prior to first customer shipment.

During the transition period, IDT will continue to support customer shipments with inventory build at IDT Manila facility or previously qualified assembly subcontractors and does not anticipate any impact on the product availability.

We request you acknowledge receipt of this notification with in **30 days** of the date of this PCN notification. If you require samples to conduct an evaluation, please make your sample request with in 30 days as samples are not built ahead of the change. Please see the schedule on the following pages for sample availability dates. You may contact your local sales representative to acknowledge this PCN and request samples.



## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT 1 - PCN # : A-0504-02

#### Qualification Test Plan:

Assembly transfer from IDT Manila facility to OSE, Philippines consists of three package groups. IDT has developed specific Qualification plans to qualify each package group . The qualification plan details are as follow:

#### GROUP 1:

- Affected Packages:** SOIC 20 (PS20), TSSOP (PA48) and PLCC 32 (PL32)  
**Assembly Material:** The affected package types will be assembled using the same mold compound and die attach material as IDT Manila facility.  
**Sample Availability:** Samples will be available for customer evaluation in WW 21 (week of May 23, 2005). Samples are not built ahead of the change and may not be available for all affected device types.  
 Please contact your local IDT sales representative for your sample request and availability.

#### Qualification Test Plan:

Following tests will be performed on each package family (SOIC, TSSOP, and PLCC)

Test Description	Test Method	Sample Size
* High Accelerated Stress Test (Biased, 130 °C/85% RH, 100 Hrs)	JESD22-A110-B	45/0
* Temperature Cycling (-65 °C to 150 °C, 500 cycle)	JESD22-A104-B	45/0
* Auto Clave (121 °C, 2 ATM, 168 Hrs)	JESD22-A102-C	45/0
Physical Dimensions	JESD22-B100-B	5/0
Internal Visual Inspection	MIL-STD-883, M 2010	5/0
External Visual Inspection	JESD22-B101	25/0
Resistance to Solvents	MIL-STD-883, M 2015	3/0
Bake & Ball Shear Test	JESD22-B116	5/0
Bond Pull Test	MIL-STD-883, M 2011	5/0
S.A.T	J-STD-035	10/0
X-ray Examination	MIL-STD-883, M 2015	45/0
Moisture Sensitivity Classification	J-STD-020C	45/0

**Notes:** \* Test requires moisture pre-conditioning sequence per JESD22-A113C.



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**Qualification Test Plan:**

**GROUP 2:**

The assembly equipment for this package grouping will be transferred from IDT Manila facility to OSE, Philippines facility.

**Affected Packages:** SSOP - DJ48, DM80  
TSSOP - PG24, PA56  
SOJ - PJ28, PJ32, PB28, PB32, PB36, and PB44

**Assembly Material and Equipment:** The affected package types will be assembled using the same mold compound, die attach material, and equipment as IDT Manila facility.

**Sample Availability:** Samples will be available for customer evaluation in WW 22 (week of May 30, 2005). Samples are not built ahead of the change and may not be available for all affected device types.  
Please contact your local IDT sales representative for your sample request and availability.

**Qualification Test Plan:**

Following tests will be performed on each package family (SSOP, TSSOP, and SOJ)

Test Description	Test Method	Sample Size
Physical Dimensions	JESD22-B100-B	5/0
Internal Visual Inspection	MIL-STD-883, M 2010	5/0
External Visual Inspection	JESD22-B101	25/0
Resistance to Solvents	MIL-STD-883, M 2015	3/0
Bake & Ball Shear Test	JESD22-B116	5/0
Bond Pull Test	MIL-STD-883, M 2011	5/0
S.A.T	J-STD-035	10/0
X-ray Examination	MIL-STD-883, M 2015	45/0
Moisture Sensitivity Classification	J-STD-020C	45/0



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**Qualification Test Plan:**

**GROUP 3:**

This group consists of green packages that are assembled and plated at IDT Manila facility. IDT will qualify the OSE tin Plating line for green packages. The qualification plan is detailed below.

**Affected Packages:** SOIC - PSG20  
SOJ - PJG28, PJG32, PBG28, PBG32, PBG36, PBG44  
SSOP - DJG48, DMG40, DMG80, PCG16, PCG20, PCG24,  
PGG24, PVG48, PVG56  
PLCC - PLG32  
TSSOP - PAG48, PAG56

**Sample Availability:** Samples will be available for customer evaluation in WW 19 (week of May 09, 2005). Samples are not built ahead of the change and may not be available for all affected device types. Please contact your local IDT sales representative for your sample request and availability.

**Qualification Test Plan:**

**Tin Whisker Evaluation:**

Test Description	Test Condition	Test Duration	Spec Limits	Acc/Rej
Storage Test	25°C/30% - 80% RH,	0, 1000, 2000 Hours	40µm max.	3/0
Aging	60°C/90%RH	0, 1000, 2000 Hours	40µm max.	3/0
Temperature Cycling	-55°C to +85°C, 15 min. per chamber	0, 500 Cycles	40µm max.	3/0

**Notes:**

Visual inspection is performed at 100 X.  
Leads are preselected and 3 leads per units are inspected.



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT 2 - PCN #: A-0504-02

Group - 1

IDT49FCT3805ASO	IDT7202LA15J	IDT7207L50J	IDT72421L25J	IDT72V04L35J	IDT72V84L20PA
IDT49FCT3805ASOI	IDT7202LA15JI	IDT7208L20J	IDT72421L25JI	IDT72V05L15J	IDT72V85L15PA
IDT49FCT3805SO	IDT7202LA20J	IDT7208L25J	IDT7280L12PA	IDT72V05L25J	IDT72V85L20PA
IDT49FCT3805SOI	IDT7202LA25J	IDT7208L25JI	IDT7280L15PA	IDT72V05L25JI	IDT74ALVC162244PA
IDT49FCT805ASO	IDT7202LA25JI	IDT7208L35J	IDT7280L15PAI	IDT72V05L35J	IDT74ALVC162245PA
IDT49FCT805ASOI	IDT7202LA35J	IDT72201L10J	IDT7280L20PA	IDT72V06L15J	IDT74ALVC162334PA
IDT49FCT805BTSO	IDT7202LA50J	IDT72201L15J	IDT7281L12PA	IDT72V06L25J	IDT74ALVC16244APA
IDT49FCT805CTSO	IDT7203L12J	IDT72201L15JI	IDT7281L15PA	IDT72V06L25JI	IDT74ALVC16245PA
IDT49FCT805SO	IDT7203L15J	IDT72201L25J	IDT7281L15PAI	IDT72V06L35J	IDT74ALVC162835PA
IDT49FCT805SOI	IDT7203L15JI	IDT72201L25JI	IDT7281L20PA	IDT72V201L10J	IDT74ALVC162836PA
IDT49FCT806ASO	IDT7203L20J	IDT72211L10J	IDT7282L12PA	IDT72V201L15J	IDT74ALVC164245PA
IDT49FCT806BTSO	IDT7203L25J	IDT72211L15J	IDT7282L15PA	IDT72V201L15JI	IDT74ALVC16835PA
IDT49FCT806CTSO	IDT7203L25JI	IDT72211L15JI	IDT7282L15PAI	IDT72V201L20J	IDT74ALVC16841PA
IDT49FCT806SO	IDT7203L35J	IDT72211L25J	IDT7282L20PA	IDT72V211L10J	IDT74ALVC245SO
IDT5991A-2J	IDT7203L50J	IDT72211L25JI	IDT7283L12PA	IDT72V211L15J	IDT74ALVCF162835APA
IDT5991A-5JI	IDT7204L12J	IDT72221L10J	IDT7283L15PA	IDT72V211L15JI	IDT74ALVCH162244PA
IDT5991A-7JI	IDT7204L15J	IDT72221L15J	IDT7283L15PAI	IDT72V211L20J	IDT74ALVCH162245PA
IDT5T9070PAI	IDT7204L15JI	IDT72221L15JI	IDT7283L20PA	IDT72V221L10J	IDT74ALVCH162268PA
IDT5T907PAI	IDT7204L20J	IDT72221L25J	IDT7284L12PA	IDT72V221L15J	IDT74ALVCH162373PA
IDT5T915PAI	IDT7204L25J	IDT72221L25JI	IDT7284L15PA	IDT72V221L15JI	IDT74ALVCH162374PA
IDT5V991A-2J	IDT7204L25JI	IDT72231L10J	IDT7284L15PAI	IDT72V221L20J	IDT74ALVCH16244PA
IDT5V991A-5JI	IDT7204L35J	IDT72231L15J	IDT7284L20PA	IDT72V231L10J	IDT74ALVCH16245PA
IDT5V991A-7JI	IDT7204L50J	IDT72231L15JI	IDT7285L12PA	IDT72V231L15J	IDT74ALVCH16260PA
IDT5V994JI	IDT7205L12J	IDT72231L25J	IDT7285L15PA	IDT72V231L15JI	IDT74ALVCH16270PA
IDT7200L12J	IDT7205L15J	IDT72231L25JI	IDT7285L15PAI	IDT72V231L20J	IDT74ALVCH162721PA
IDT7200L15J	IDT7205L20J	IDT72241L10J	IDT7285L20PA	IDT72V241L10J	IDT74ALVCH16276PA
IDT7200L15JI	IDT7205L25J	IDT72241L15J	IDT72V01L15J	IDT72V241L15J	IDT74ALVCH162820PA
IDT7200L20J	IDT7205L25JI	IDT72241L15JI	IDT72V01L25J	IDT72V241L15JI	IDT74ALVCH162827PA
IDT7200L25J	IDT7205L35J	IDT72241L25J	IDT72V01L25JI	IDT72V241L20J	IDT74ALVCH16345PA
IDT7200L25JI	IDT7205L50J	IDT72241L25JI	IDT72V01L35J	IDT72V251L10J	IDT74ALVCH16373PA
IDT7200L35J	IDT7206L15J	IDT72251L10J	IDT72V02L15J	IDT72V251L15J	IDT74ALVCH16374PA
IDT7200L50J	IDT7206L20J	IDT72251L15J	IDT72V02L25J	IDT72V251L15JI	IDT74ALVCH16501PA
IDT7201LA12J	IDT7206L25J	IDT72251L15JI	IDT72V02L25JI	IDT72V251L20J	IDT74ALVCH16601PA
IDT7201LA15J	IDT7206L25JI	IDT72251L25J	IDT72V02L35J	IDT72V81L15PA	IDT74ALVCH16646PA
IDT7201LA15JI	IDT7206L35J	IDT72251L25JI	IDT72V03L15J	IDT72V81L20PA	IDT74ALVCH16652PA
IDT7201LA20J	IDT7206L50J	IDT72413L25SO	IDT72V03L25J	IDT72V81L20PAI	IDT74ALVCH16721PA
IDT7201LA25J	IDT7207L15J	IDT72413L35SO	IDT72V03L25JI	IDT72V82L15PA	IDT74ALVCH16823PA
IDT7201LA25JI	IDT7207L20J	IDT72413L45SO	IDT72V03L35J	IDT72V82L20PA	IDT74ALVCH16836PA
IDT7201LA35J	IDT7207L25J	IDT72421L10J	IDT72V04L15J	IDT72V83L15PA	IDT74ALVCH16863PA
IDT7201LA50J	IDT7207L25JI	IDT72421L15J	IDT72V04L25J	IDT72V83L20PA	IDT74ALVCH16903PA
IDT7202LA12J	IDT7207L35J	IDT72421L15JI	IDT72V04L25JI	IDT72V84L15PA	IDT74ALVCH16952PA



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT 2 - PCN #: A-0504-02

Group - 1

IDT74ALVCHR162245PA	IDT74FCT16244CTPA	IDT74FCT163344APA	IDT74FCT16823ATPA	IDT74FCT273CTSO
IDT74ALVCHR162269APA	IDT74FCT16245ATPA	IDT74FCT163344CPA	IDT74FCT16823CTPA	IDT74FCT299ASO
IDT74ALVCHR16501PA	IDT74FCT16245CTPA	IDT74FCT163373APA	IDT74FCT16823ETPA	IDT74FCT299ATSO
IDT74ALVCHR16601PA	IDT74FCT16245ETPA	IDT74FCT163373CPA	IDT74FCT16827ATPA	IDT74FCT299CTSO
IDT74AUC16245PAI	IDT74FCT162501ATPA	IDT74FCT163374APA	IDT74FCT16827CTPA	IDT74FCT3244ASO
IDT74AUC16373PAI	IDT74FCT162501CTPA	IDT74FCT163374CPA	IDT74FCT16841ATPA	IDT74FCT3244SO
IDT74AUC16374PAI	IDT74FCT162511ATPA	IDT74FCT163501APA	IDT74FCT16841CTPA	IDT74FCT3245ASO
IDT74AUC164245PAI	IDT74FCT162511CTPA	IDT74FCT163501CPA	IDT74FCT16952ATPA	IDT74FCT3245SO
IDT74AUCH16245PAI	IDT74FCT162543ATPA	IDT74FCT163543APA	IDT74FCT16952CTPA	IDT74FCT3573ASO
IDT74AUCR16245PAI	IDT74FCT162543CTPA	IDT74FCT163543CPA	IDT74FCT16952ETPA	IDT74FCT3573SO
IDT74CBTLV16210PA	IDT74FCT16260ATPA	IDT74FCT163601APA	IDT74FCT2240ATSO	IDT74FCT3574ASO
IDT74CBTLV16211PA	IDT74FCT16260CTPA	IDT74FCT163646APA	IDT74FCT2240CTSO	IDT74FCT3574SO
IDT74CBTLV16212PA	IDT74FCT16260ETPA	IDT74FCT163646CPA	IDT74FCT2244ATSO	IDT74FCT373ASO
IDT74CBTLV16214PA	IDT74FCT162646ATPA	IDT74FCT16373ATPA	IDT74FCT2244CTSO	IDT74FCT373ATSO
IDT74CBTLV16245PA	IDT74FCT162646CTPA	IDT74FCT16373CTPA	IDT74FCT2245ATSO	IDT74FCT373CSO
IDT74CBTLV16292PA	IDT74FCT162652ATPA	IDT74FCT16374ATPA	IDT74FCT2245CTSO	IDT74FCT373CTSO
IDT74CBTLV16800PA	IDT74FCT162652CTPA	IDT74FCT16374CTPA	IDT74FCT2373ATSO	IDT74FCT374ASO
IDT74CBTLVR16292PA	IDT74FCT162823ATPA	IDT74FCT16374ETPA	IDT74FCT2373CTSO	IDT74FCT374ATSO
IDT74FCT162240ATPA	IDT74FCT162823CTPA	IDT74FCT163827APA	IDT74FCT2374ATSO	IDT74FCT374CSO
IDT74FCT162240CTPA	IDT74FCT162827ATPA	IDT74FCT163827CPA	IDT74FCT2374CTSO	IDT74FCT374CTSO
IDT74FCT162244ATPA	IDT74FCT162827CTPA	IDT74FCT163952APA	IDT74FCT240ASO	IDT74FCT374TSO
IDT74FCT162244CTPA	IDT74FCT162841ATPA	IDT74FCT163952CPA	IDT74FCT240ATSO	IDT74FCT377ATSO
IDT74FCT162244ETPA	IDT74FCT162841CTPA	IDT74FCT164245TPA	IDT74FCT240CSO	IDT74FCT377CTSO
IDT74FCT162245ATPA	IDT74FCT162952ATPA	IDT74FCT16500ATPA	IDT74FCT240CTSO	IDT74FCT377DTSO
IDT74FCT162245CTPA	IDT74FCT162952CTPA	IDT74FCT16500CTPA	IDT74FCT244ASO	IDT74FCT3807ASO
IDT74FCT162260ATPA	IDT74FCT162952ETPA	IDT74FCT16501ATPA	IDT74FCT244ATSO	IDT74FCT3807ASOI
IDT74FCT162260CTPA	IDT74FCT162H244ATPA	IDT74FCT16501CTPA	IDT74FCT244CSO	IDT74FCT3807SO
IDT74FCT162260ETPA	IDT74FCT162H244CTPA	IDT74FCT16543ATPA	IDT74FCT244CTSO	IDT74FCT3807SOI
IDT74FCT162344ATPA	IDT74FCT162H245ATPA	IDT74FCT16543CTPA	IDT74FCT244TSO	IDT74FCT521ASO
IDT74FCT162344CTPA	IDT74FCT162H245CTPA	IDT74FCT16543ETPA	IDT74FCT245ASO	IDT74FCT521ATSO
IDT74FCT162344ETPA	IDT74FCT162H272ATPA	IDT74FCT16601ATPA	IDT74FCT245ATSO	IDT74FCT521CSO
IDT74FCT162373ATPA	IDT74FCT162H272CTPA	IDT74FCT16601CTPA	IDT74FCT245CSO	IDT74FCT521CTSO
IDT74FCT162373CTPA	IDT74FCT162H501ATPA	IDT74FCT166244ATPA	IDT74FCT245CTSO	IDT74FCT534ATSO
IDT74FCT162373ETPA	IDT74FCT162H501CTPA	IDT74FCT166244CTPA	IDT74FCT245TSO	IDT74FCT534CTSO
IDT74FCT162374ATPA	IDT74FCT162H952ATPA	IDT74FCT166245ATPA	IDT74FCT2541ATSO	IDT74FCT540ATSO
IDT74FCT162374CTPA	IDT74FCT162H952CTPA	IDT74FCT166245TPA	IDT74FCT2541CTSO	IDT74FCT540CTSO
IDT74FCT162374ETPA	IDT74FCT162H952ETPA	IDT74FCT16646ATPA	IDT74FCT2573ATSO	IDT74FCT541ASO
IDT74FCT16240ATPA	IDT74FCT163244APA	IDT74FCT16646CTPA	IDT74FCT2573CTSO	IDT74FCT541ATSO
IDT74FCT16240CTPA	IDT74FCT163244CPA	IDT74FCT16646ETPA	IDT74FCT2574ATSO	IDT74FCT541CSO
IDT74FCT16240ETPA	IDT74FCT163245APA	IDT74FCT16652ATPA	IDT74FCT2574CTSO	IDT74FCT541CTSO
IDT74FCT16244ATPA	IDT74FCT163245CPA	IDT74FCT16652CTPA	IDT74FCT273ATSO	IDT74FCT573ASO



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT 2 - PCN #: A-0504-02

Group - 1

IDT74FCT573ATSO	IDT74LVC16841APA	IDT821621J	IDTQS74FCT2240CTSO
IDT74FCT573CSO	IDT74LVC16952APA	IDTCSPT857APA	IDTQS74FCT2240TSO
IDT74FCT573CTSO	IDT74LVC2244ASO	IDTCSPT857CPA	IDTQS74FCT2244ATSO
IDT74FCT574ASO	IDT74LVC2245ASO	IDTCSPT857CPAI	IDTQS74FCT2244CTSO
IDT74FCT574ATSO	IDT74LVC244ASO	IDTCSPT857DPA	IDTQS74FCT2244TSO
IDT74FCT574CSO	IDT74LVC245ASO	IDTCSPT857DPAI	IDTQS74FCT2245ATSO
IDT74FCT574CTSO	IDT74LVC273ASO	IDTCSPT857PA	IDTQS74FCT2245CTSO
IDT74FCT621ATSO	IDT74LVC374ASO	IDTCSPT857PAI	IDTQS74FCT2245TSO
IDT74FCT621TSO	IDT74LVC377ASO	IDTCV110JPA	IDTQS74FCT2374ATSO
IDT74FCT807BTSO	IDT74LVC541ASO	IDTCV1111IPA	IDTQS74FCT2374CTSO
IDT74FCT807BTSOI	IDT74LVC573ASO	IDTCV125PA	IDTQS74FCT2374TSO
IDT74FCT807CTSO	IDT74LVC574ASO	IDTCV126PA	
IDT74FCT807CTSOI	IDT74LVCH162244APA	IDTCV128PA	
IDT74FCT810BTSO	IDT74LVCH162245APA	IDTCV133PA	
IDT74FCT810CTSO	IDT74LVCH162373APA	IDTCV136PA	
IDT74FST163209PA	IDT74LVCH162374APA	IDTCV137PA	
IDT74FST163211PA	IDT74LVCH16244APA	IDTCV140PA	
IDT74FST163212PA	IDT74LVCH16245APA	IDTCV141PA	
IDT74FST163214PA	IDT74LVCH16260APA	IDTCV142PA	
IDT74FST163232PA	IDT74LVCH162721APA	IDTCV144PA	
IDT74FST163233PA	IDT74LVCH16276APA	IDTCV149PA	
IDT74FST163244PA	IDT74LVCH162823APA	IDTNW6005AS	
IDT74FST163245PA	IDT74LVCH16373APA	IDTNW6006AS	
IDT74FST1632861PA	IDT74LVCH16374APA	IDTQS316211PA	
IDT74FST163P245PA	IDT74LVCH16501APA	IDTQS316212PA	
IDT74FST32XL2384PA	IDT74LVCH16543APA	IDTQS316233PA	
IDT74FST32XL384PA	IDT74LVCH16601APA	IDTQS32245SO	
IDT74GTLP16612PA	IDT74LVCH16646APA	IDTQS3244SO	
IDT74LVC162244APA	IDT74LVCH16827APA	IDTQS3245SO	
IDT74LVC162245APA	IDT74LVCH244ASO	IDTQS3VH16210PA	
IDT74LVC162374APA	IDT74LVCH245ASO	IDTQS3VH16211PA	
IDT74LVC16244APA	IDT74LVCHR162245APA	IDTQS3VH16212PA	
IDT74LVC16245APA	IDT74LVCHR16501APA	IDTQS3VH16233PA	
IDT74LVC16344APA	IDT74LVCHR16646APA	IDTQS3VH16244PA	
IDT74LVC16373APA	IDT74LVCR162245APA	IDTQS3VH16245PA	
IDT74LVC16374APA	IDT74LVCR16952APA	IDTQS3VH16800PA	
IDT74LVC16501APA	IDT74SSTV16857PA	IDTQS3VH16861PA	
IDT74LVC16601APA	IDT74SSTVF16857PA	IDTQS3VH16862PA	
IDT74LVC16646APA	IDT821004J	IDTQS3VH245SO	
IDT74LVC16823APA	IDT821024J	IDTQS74FCT2240ATSO	
IDT74LVC16827APA	IDT821611J	IDTQS74FCT2240CTSO	





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2975 Stender Way, Santa Clara, CA - 95054

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT 2 - PCN #: A-0504-02

Group - 2

IDT5T93GL04PGI	IDT71128S20YI	IDT71V124SA10TYI	IDT71V424S10YI	IDT72V81L20PA
IDT5V2310PGI	IDT71256L20Y	IDT71V124SA10Y	IDT71V424S12Y	IDT72V81L20PAI
IDT5V928PGI	IDT71256L25Y	IDT71V124SA10YI	IDT71V424S12YI	IDT72V82L15PA
IDT61298SA12Y	IDT71256L25YI	IDT71V124SA12TY	IDT71V424S15Y	IDT72V82L20PA
IDT61298SA15Y	IDT71256L35Y	IDT71V124SA12TYI	IDT71V424S15YI	IDT72V83L15PA
IDT71016S12Y	IDT71256L35YI	IDT71V124SA12Y	IDT71V428L10Y	IDT72V83L20PA
IDT71016S12YI	IDT71256SA12Y	IDT71V124SA12YI	IDT71V428L12Y	IDT72V84L15PA
IDT71016S15Y	IDT71256SA12YI	IDT71V124SA15TY	IDT71V428L12YI	IDT72V84L20PA
IDT71016S15YI	IDT71256SA15Y	IDT71V124SA15TYI	IDT71V428L15Y	IDT72V85L15PA
IDT71016S20Y	IDT71256SA15YI	IDT71V124SA15Y	IDT71V428L15YI	IDT72V85L20PA
IDT71016S20YI	IDT71256SA20Y	IDT71V124SA15YI	IDT71V428S10Y	IDT74ALVC162835PA
IDT71024S12TY	IDT71256SA20YI	IDT71V124SA20TY	IDT71V428S10YI	IDT74ALVC162836PA
IDT71024S12TYI	IDT71256SA25Y	IDT71V124SA20TYI	IDT71V428S12Y	IDT74ALVC16835PA
IDT71024S12Y	IDT71256SA25YI	IDT71V124SA20Y	IDT71V428S12YI	IDT74ALVC16841PA
IDT71024S12YI	IDT7164L15Y	IDT71V124SA20YI	IDT71V428S15Y	IDT74ALVCF162835APA
IDT71024S15TY	IDT7164L15YI	IDT71V256SA10Y	IDT71V428S15YI	IDT74ALVCH162268PA
IDT71024S15TYI	IDT7164L20Y	IDT71V256SA10YI	IDT7280L12PA	IDT74ALVCH16260PA
IDT71024S15Y	IDT7164L20YI	IDT71V256SA12Y	IDT7280L15PA	IDT74ALVCH16270PA
IDT71024S15YI	IDT7164L25YI	IDT71V256SA12YI	IDT7280L15PAI	IDT74ALVCH162721PA
IDT71024S20TY	IDT7164S15Y	IDT71V256SA15Y	IDT7280L20PA	IDT74ALVCH16276PA
IDT71024S20TYI	IDT7164S15YI	IDT71V256SA15YI	IDT7281L12PA	IDT74ALVCH162820PA
IDT71024S20Y	IDT7164S20Y	IDT71V256SA20Y	IDT7281L15PA	IDT74ALVCH162827PA
IDT71024S20YI	IDT7164S20YI	IDT71V256SA20YI	IDT7281L15PAI	IDT74ALVCH16345PA
IDT71024S25Y	IDT7164S35YI	IDT71V416L10Y	IDT7281L20PA	IDT74ALVCH16501PA
IDT71028S12Y	IDT71T016SA12Y	IDT71V416L10YI	IDT7282L12PA	IDT74ALVCH16601PA
IDT71028S12YI	IDT71T016SA12YI	IDT71V416L12Y	IDT7282L15PA	IDT74ALVCH16646PA
IDT71028S15Y	IDT71T016SA15Y	IDT71V416L12YI	IDT7282L15PAI	IDT74ALVCH16652PA
IDT71028S15YI	IDT71T016SA15YI	IDT71V416L15Y	IDT7282L20PA	IDT74ALVCH16721PA
IDT71028S20Y	IDT71T016SA20Y	IDT71V416L15YI	IDT7283L12PA	IDT74ALVCH16823PA
IDT71028S20YI	IDT71T016SA20YI	IDT71V416S10Y	IDT7283L15PA	IDT74ALVCH16836PA
IDT71124S12Y	IDT71V016SA10Y	IDT71V416S10YI	IDT7283L15PAI	IDT74ALVCH16863PA
IDT71124S12YI	IDT71V016SA10YI	IDT71V416S12Y	IDT7283L20PA	IDT74ALVCH16903PA
IDT71124S15Y	IDT71V016SA12Y	IDT71V416S12YI	IDT7284L12PA	IDT74ALVCH16952PA
IDT71124S15YI	IDT71V016SA12YI	IDT71V416S15Y	IDT7284L15PA	IDT74ALVCHR162269APA
IDT71124S20Y	IDT71V016SA15Y	IDT71V416S15YI	IDT7284L15PAI	IDT74ALVCHR16501PA
IDT71124S20YI	IDT71V016SA15YI	IDT71V424L10Y	IDT7284L20PA	IDT74ALVCHR16601PA
IDT71128S12Y	IDT71V016SA20Y	IDT71V424L12Y	IDT7285L12PA	IDT74CBTLV16211PA
IDT71128S12YI	IDT71V016SA20YI	IDT71V424L12YI	IDT7285L15PA	IDT74CBTLV16212PA
IDT71128S15Y	IDT71V124S15Y	IDT71V424L15Y	IDT7285L15PAI	IDT74CBTLV16214PA
IDT71128S15YI	IDT71V124S20Y	IDT71V424L15YI	IDT7285L20PA	IDT74CBTLV16292PA
IDT71128S20Y	IDT71V124SA10TY	IDT71V424S10Y	IDT72V81L15PA	IDT74CBTLV3383PG



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT 2 - PCN #: A-0504-02

Group - 2

IDT74CBTLV3384PG	IDT74FCT162H952CTPA	IDT74FCT3827APG	IDTCSP2510DPGI	IDTQS3VH800PA
IDT74CBTLV3861PG	IDT74FCT162H952ETPA	IDT74FCT3827BPG	IDTCV110JPA	IDTQS3VH861PA
IDT74CBTLV3862PG	IDT74FCT163344APA	IDT74FCT827ATPG	IDTCV1111IPA	IDTQS3VH862PA
IDT74CBTLV6800PG	IDT74FCT163344CPA	IDT74FCT827CTPG	IDTCV125PA	IDTQS4A215Q1
IDT74CBTLVR16292PA	IDT74FCT163501APA	IDT74FST163211PA	IDTCV126PA	
IDT74CBTLVR3384PG	IDT74FCT163501CPA	IDT74FST163212PA	IDTCV128PA	
IDT74CBTLVR3861PG	IDT74FCT163543APA	IDT74FST163214PA	IDTCV133PA	
IDT74CBTLVR3862PG	IDT74FCT163543CPA	IDT74FST163232PA	IDTCV136PA	
IDT74FCT162260ATPA	IDT74FCT163601APA	IDT74FST163233PA	IDTCV137PA	
IDT74FCT162260CTPA	IDT74FCT163646APA	IDT74FST6800PG	IDTCV140PA	
IDT74FCT162260ETPA	IDT74FCT163646CPA	IDT74GTL16612PA	IDTCV142PA	
IDT74FCT162344ATPA	IDT74FCT163827APA	IDT74GTL306PGI	IDTCV144PA	
IDT74FCT162344CTPA	IDT74FCT163827CPA	IDT74GTL816PGI	IDTCV149PA	
IDT74FCT162344ETPA	IDT74FCT163952APA	IDT74LVC16344APA	IDTQS316211PA	
IDT74FCT162501ATPA	IDT74FCT163952CPA	IDT74LVC16501APA	IDTQS316212PA	
IDT74FCT162501CTPA	IDT74FCT16500ATPA	IDT74LVC16601APA	IDTQS316233PA	
IDT74FCT162511ATPA	IDT74FCT16500CTPA	IDT74LVC16646APA	IDTQS32X2384Q1	
IDT74FCT162511CTPA	IDT74FCT16501ATPA	IDT74LVC16823APA	IDTQS32X2861Q1	
IDT74FCT162543ATPA	IDT74FCT16501CTPA	IDT74LVC16827APA	IDTQS32X383Q1	
IDT74FCT162543CTPA	IDT74FCT16543ATPA	IDT74LVC16841APA	IDTQS32X384Q1	
IDT74FCT16260ATPA	IDT74FCT16543CTPA	IDT74LVC16952APA	IDTQS32X861Q1	
IDT74FCT16260CTPA	IDT74FCT16543ETPA	IDT74LVC4245APG	IDTQS32XL383Q1	
IDT74FCT16260ETPA	IDT74FCT16601ATPA	IDT74LVC823APG	IDTQS32XL384Q1	
IDT74FCT162646ATPA	IDT74FCT16601CTPA	IDT74LVC827APG	IDTQS32XVH384Q1	
IDT74FCT162646CTPA	IDT74FCT16646ATPA	IDT74LVCC3245APG	IDTQS3384PA	
IDT74FCT162652ATPA	IDT74FCT16646CTPA	IDT74LVCC4245APG	IDTQS33X253Q1	
IDT74FCT162652CTPA	IDT74FCT16646ETPA	IDT74LVCH16260APA	IDTQS33X257Q1	
IDT74FCT162823ATPA	IDT74FCT16652ATPA	IDT74LVCH162721APA	IDTQS34X2245Q3	
IDT74FCT162823CTPA	IDT74FCT16652CTPA	IDT74LVCH16276APA	IDTQS34X245Q3	
IDT74FCT162827ATPA	IDT74FCT16823ATPA	IDT74LVCH162823APA	IDTQS34X383Q3	
IDT74FCT162827CTPA	IDT74FCT16823CTPA	IDT74LVCH16501APA	IDTQS34XVH2245Q3	
IDT74FCT162841ATPA	IDT74FCT16823ETPA	IDT74LVCH16543APA	IDTQS34XVH245Q3	
IDT74FCT162841CTPA	IDT74FCT16827ATPA	IDT74LVCH16601APA	IDTQS3861PA	
IDT74FCT162952ATPA	IDT74FCT16827CTPA	IDT74LVCH16646APA	IDTQS3L384PA	
IDT74FCT162952CTPA	IDT74FCT16841ATPA	IDT74LVCH16827APA	IDTQS3VH16211PA	
IDT74FCT162952ETPA	IDT74FCT16841CTPA	IDT74LVCHR16501APA	IDTQS3VH16212PA	
IDT74FCT162H272ATPA	IDT74FCT16952ATPA	IDT74LVCHR16646APA	IDTQS3VH16233PA	
IDT74FCT162H272CTPA	IDT74FCT16952CTPA	IDT74LVCR16952APA	IDTQS3VH2861PA	
IDT74FCT162H501ATPA	IDT74FCT16952ETPA	IDTCSP2510CPG	IDTQS3VH2862PA	
IDT74FCT162H501CTPA	IDT74FCT2646ATPG	IDTCSP2510CPGI	IDTQS3VH383PA	
IDT74FCT162H952ATPA	IDT74FCT2646CTPG	IDTCSP2510DPG	IDTQS3VH384PA	



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT 2 - PCN #: A-0504-02

Group - 3

IDT49FCT3805AQG	IDT71V124SA10YGI	IDT74FCT162827CTPAG	IDT82V3011PVG	IDTCV602PVG
IDT49FCT3805AQGI	IDT71V124SA12YG	IDT74FCT163245APVG	IDT82V3012PVG	IDTCV801PVG
IDT49FCT3805ASOG	IDT71V124SA12YGI	IDT74FCT163245CPVG	IDT82V3155PVG	IDTQS3125QG
IDT49FCT3805ASOGI	IDT71V124SA15YG	IDT74FCT164245TPAG	IDTCSPT2510CPGG	IDTQS3126QG
IDT49FCT3805QG	IDT71V124SA15YGI	IDT74FCT164245TPVG	IDTCSPT857CPAG	IDTQS316211PAG
IDT49FCT3805QGI	IDT7201LA15JG	IDT74FCT240ATSOG	IDTCSPT857DPAG	IDTQS3245QG
IDT49FCT3805SOG	IDT7202L15JG	IDT74FCT240CTSOG	IDTCV105EPVG	IDTQS3251QG
IDT49FCT3805SOGI	IDT7202L50JG	IDT74FCT244ASOG	IDTCV107EPVG	IDTQS3253QG
IDT5T915PAGI	IDT7202LA50JG	IDT74FCT244CSOG	IDTCV109EPVG	IDTQS3257QG
IDT5V925QGI	IDT7203L15JG	IDT74FCT245ATSOG	IDTCV110JPVG	IDTQS32X244Q2G
IDT5V991A-2JG	IDT7203L50JG	IDT74FCT245CTSOG	IDTCV110LPVG	IDTQS32X245Q2G
IDT5V991A-5JGI	IDT7204L35JG	IDT74FCT273ATSOG	IDTCV110NPVG	IDTQS32X861Q1G
IDT5V991A-7JGI	IDT7205L20JG	IDT74FCT273CTSOG	IDTCV111IPAG	IDTQS32XL384Q1G
IDT71016S12YG	IDT7205L35JG	IDT74FCT3807AQG	IDTCV115-2PVG	IDTQS32XR245Q2G
IDT71016S12YGI	IDT72221L25JG	IDT74FCT3807AQGI	IDTCV115CPVG	IDTQS32XVH245Q2G
IDT71016S15YG	IDT72V01L15JG	IDT74FCT3807ASOG	IDTCV116-1APVG	IDTQS3383QG
IDT71016S15YGI	IDT72V01L35JG	IDT74FCT3807ASOGI	IDTCV117APVG	IDTQS3384PAG
IDT71016S20YG	IDT74ALVC16245PAG	IDT74FCT3807QG	IDTCV119EPVG	IDTQS3384QG
IDT71016S20YGI	IDT74ALVCF162835APAG	IDT74FCT3807QGI	IDTCV123PVG	IDTQS34X2245Q3G
IDT71024S12YG	IDT74CBTLV16211PAG	IDT74FCT3807SOG	IDTCV125PAG	IDTQS34X245Q3G
IDT71024S12YGI	IDT74CBTLV16212PAG	IDT74FCT3807SOGI	IDTCV126PAG	IDTQS34XVH245Q3G
IDT71024S15YG	IDT74CBTLV3384PGG	IDT74FCT540ATQG	IDTCV128PAG	IDTQS3861QG
IDT71024S15YGI	IDT74FCT162240ATPVG	IDT74FCT540CTQG	IDTCV128PVG	IDTQS3L384PAG
IDT71024S20YG	IDT74FCT162240CTPVG	IDT74FCT621ATSOG	IDTCV132APVG	IDTQS3L384QG
IDT71024S20YGI	IDT74FCT162244ATPVG	IDT74FCT621TSOG	IDTCV132BPVG	IDTQS3VH125QG
IDT71024S25YG	IDT74FCT162244CTPVG	IDT74FST163211PAG	IDTCV132PVG	IDTQS3VH126QG
IDT71124S12YG	IDT74FCT162244ETPVG	IDT74FST163233PAG	IDTCV133PAG	IDTQS3VH16210PAG
IDT71124S12YGI	IDT74FCT162245ATPVG	IDT74FST163245PAG	IDTCV136PAG	IDTQS3VH16211PAG
IDT71124S15YG	IDT74FCT162245CTPVG	IDT74FST1632861PAG	IDTCV137PAG	IDTQS3VH16212PAG
IDT71124S15YGI	IDT74FCT16244ATPAG	IDT74LVC162244APAG	IDTCV139PAG	IDTQS3VH16233PAG
IDT71124S20YG	IDT74FCT16244CTPAG	IDT74LVC162245APAG	IDTCV140PAG	IDTQS3VH16244PAG
IDT71124S20YGI	IDT74FCT16245ATPAG	IDT74LVC16244APAG	IDTCV141PAG	IDTQS3VH16861PAG
IDT71V016SA10YG	IDT74FCT16245CTPAG	IDT74LVC16245APAG	IDTCV141PVG	IDTQS3VH244QG
IDT71V016SA10YGI	IDT74FCT16245ETPAG	IDT74LVCC3245APGG	IDTCV142PAG	IDTQS3VH251QG
IDT71V016SA12YG	IDT74FCT162543ATPAG	IDT74LVCH16543APAG	IDTCV144PAG	IDTQS3VH253QG
IDT71V016SA12YGI	IDT74FCT162543ATPVG	IDT74LVCHR162245APAG	IDTCV146PVG	IDTQS3VH257QG
IDT71V016SA15YG	IDT74FCT162543CTPAG	IDT74SSTV16857PAG	IDTCV147PAG	IDTQS3VH384PAG
IDT71V016SA15YGI	IDT74FCT162543CTPVG	IDT74SSTVF16857PAG	IDTCV147PVG	IDTQS4A205QG
IDT71V016SA20YG	IDT74FCT162823ATPVG	IDT82V3001APVG	IDTCV148PVG	IDTQS4A215Q1G
IDT71V016SA20YGI	IDT74FCT162823CTPVG	IDT82V3002APVG	IDTCV149PAG	
IDT71V124SA10YG	IDT74FCT162827ATPAG	IDT82V3010PVG	IDTCV152PVG	