

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:



# PRODUCT/PROCESS CHANGE NOTICE (PCN)

#### **ATTACHMENT I - PCN # : A2001-01**

**PCN Type:** Change of Assembly Location, Material Sets and MSL Rating

**Data Sheet Change:** None

Change in moisture sensitivity level (MSL)

### **Detail Of Change:**

This notification is to advise our customers that select products that currently assembled in OSET, Taiwan will be transferred to UTL, Thailand as a result of OSET has discontinued the production of the select products.

The material set details of the current and newly added assembly locations are as shown in Table 1. There will be no change in wire type as a result of this PCN.

There is a change to the moisture performance from MSL1 to MSL 3.

The material declaration will differ.

Table 1: Assembly Material Sets for The Existing and Newly added Assembly Locations

	<b>Existing Assembly</b>	New Assembly	
Material Set / Assembly	OSET - OSE, Taiwan	UTL, Thailand	
Die Attach	EN4900GC	8200T	
Bonding Wire	Gold wire	Gold wire	
Mold Compound	CEL-9200HF	G605L	



# PRODUCT/PROCESS CHANGE NOTICE (PCN)

## **ATTACHMENT I - PCN # : A2001-01**

## **Qualification Information and Qualification Data:**

**Affected Packages:** TVSOP-48

**Assembly Material:** Shown on page 2 of this attachment.

**Qual Plan & Results:** Tests are in accordance with JEDEC47 recommended tests.

**Qualification Vehicle:** TVSOP-48

		Test Results (Rej / SS)		
Test Description	Test Method	Lot 1	Lot 2	Lot 3
* Temperature Cycling (-55°C to 125°C, 700 cycles)	JESD22-A104	0/25	0/25	0/25
* HAST - biased (130 °C/85% RH, 96 Hrs)	JESD22-A110	0/25	0/25	0/25
High Temperature Storage Bake (150°C, 1000 Hrs)	JESD22-A103	0/25	0/25	0/25
Ball Shear Test	JESD22-B116	0/5	0/5	0/5
Bond Pull Test	MIL-STD-883 (Method 2011)	0/5	0/5	0/5
Moisture Sensitivity Level, MSL	J-STD-20 / MSL 3, 260 °C	0/25	0/25	-

<sup>\*</sup> Tests were subjected to Preconditioning per JESD22-A113 prior to stress test



# PRODUCT/PROCESS CHANGE NOTICE (PCN)

# ATTACHMENT II - PCN #: A2001-01

#### **Affected Part Numbers**

Part Number	Part Number	Part Number	Part Number
74FCT163244APFG	74FCT163244CPFG	74FCT163245APFG	74FCT163245CPFG
74FCT163244APFG8	74FCT163244CPFG8	74FCT163245APFG8	74FCT163245CPFG8