



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #20124

Generic Copy

Issue Date: 16-Jul-2013

TITLE: Assy site transfer from MMT to ATP

PROPOSED FIRST SHIP DATE: 16-Oct-2013

AFFECTED CHANGE CATEGORY(S): Bill of Materials

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Charlie Yu <charlie.yu@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Francis Lualhati <ffxczy@onsemi.com>

NOTIFICATION TYPE:

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation of the change.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

L/F supplier change due to the floods in Thailand in 2011.

MMT unable to support last time buy demand for Arrow/Teledyne and need to build at ATP.

The change in L/F results in a change in MSL level. The new L/F has an MSL 3 rating.


FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #20124
RELIABILITY DATA:

#	Test	Name	Test Conditions	End Point Req's	Test Results	(rej/ ss)	(rej/ ss)	(rej/ ss)
					Read Point	Lot A	Lot B	Lot C
1	Prep	Sample preparation and initial part testing	various	---	Initial Electrical	done	done	done
2	HTSL	High Temp Storage Life	TA = 150°C	Test at Rm	Initial	0/80	0/80	0/80
					168 Hrs	0/80	0/80	0/80
					504 Hrs	0/80	0/80	0/80
					1008 Hrs	0/80	0/80	0/80
3	PC	Preconditioning: ;	Moisture Preconditioning for HAST, AC, TC; MSL3, Peak Reflow Temp = 260C	---	Initial Electrical	done	done	done
4	HAST-PC	High Acceleration Stress Test - PC	TA = 130 °C, RH=85%, V=80% rated Volts	Test at Rm	Initial	0/80	0/80	0/80
					96 Hrs	0/80	0/80	0/80
5	TC-PC	Temperature Cycling-PC	Ta= -65/150 C	Test at Rm	Initial	0/80	0/80	0/80
					500 Cyc	0/80	0/80	0/80
					1000 Cyc	0/80	0/80	0/80
6	AC-PC	Autoclave	121°C/100% RH/15psig	Test at Rm	Initial	0/80	0/80	0/80
					96 Hrs	0/80	0/80	0/80
7	DPA	Destructive Physical Analysis	Following TC -PC	AEC Criteria		0/5	0/5	0/5
8	SD	Solderability Test		AEC Criteria		0/15	0/15	0/15

CHANGED PART IDENTIFICATION: None

List of affected General Parts:

CAT28C16AWI-12T

Comments:

Please reference JEDEC document J-STD-003C for MSL3 packing.