
Change to MSL 1 for Standard EEPROM in WLCSP

What is the change?

MMY WLCSP products MSL classification will change from “N/A” to **MSL1**.

Why?

When the first MMY WLCSP product was qualified, it was considered that the JEDEC J-STD-020 did not apply, as WLCSP is not plastic encapsulated surface mount package. For this reason, current labelling (on inner box, MBB and reel) for MMY products does not show information for MSL.

Some customers complained about “missing information”. For standardization regarding the WLCSP products from the whole MDG group, it has been decided to classify the **MMY WLCSP** in **MSL 1**.

When?

The **new labelling** with **MSL1** will start from **week 29 / 2017**.

How will the change be qualified?

The change has been qualified using the standard ST Microelectronics Corporate Procedures for Quality & Reliability, including 3 IR reflow after surface mounting: MMY WLCSP products are not sensitive to moisture.

What is the impact of the change?

- **Form:** Packing labelling will show MSL 1
- **Fit:** N/A
- **Function:** N/A

This change **will not impact** device storage nor handling at customer side.

How can the change be seen?

The change will be evidenced on **labels** of **inner box, MBB and reel**.

- **Example of BOX LABEL:**

Manufactured under patents or patents pending
Country Of Origin: SINGAPORE
Pb-free 2nd Level Interconnect
MSL: 1 **Not moisture sensitive**

TYPE: **After change: MSL: 1 Not moisture sensitive**
Before change: MSL: N/A

M24C64SFCU6TF17A

Total Qty: 10 000

Trace Codes PPYWLLLL WX TF

Marking **Packing Week code**

Bulk ID **X0X00XXX0000**

Please provide the bulk ID for any inquiry

Appendix A- Product Change Information

Product family / Commercial products:	EEPROM in WLCSP
Customer(s):	All
Type of change:	Packing
Reason for the change:	Standardization for WLCSP MSL in MDG group.
Description of the change:	Moisture Sensitivity Level changes from "N/A" to MSL 1 for all MMY WLCSP
Forecast date of the change: (Notification to customer)	Week 24 / 2017
Forecast date of <u>Qualification samples</u> availability for customer(s):	Not Applicable
Marking to identify the changed product:	On box label, cut-off packing week code in Bulk ID: Week 29 / 2017
Estimated date of first shipment:	Week 29 / 2017

Appendix B: Concerned Commercial Part Numbers:

Commercial Part Numbers	
M24128-DFCS6TP/K	M24C64-FCU6TP/TF
M24128S-FCU6T/T	M24C64M-FCU6T/TF
M24128S-FCU6T/TF	M24C64S-FCU6T/T
M24128T-FCU6T/TF	M24C64S-FCU6T/TF
M24256-BRCS6TP/A	M24C64T-FCU6T/TF
M24256-DFCS6TP/K	M24M01-DFCS6TP/K
M24512-DFCS6TP/K	M24M01-RCS6TP/A
M24C08-FCS5TP/S	M24M02-DRCS6TP/K
M24C08-FCT5TP/S	M34C08-FCT6TP/T
M24C08-FCT6TP/T	M95128-DFCS6TP/K
M24C16-DFCU6TP/K	M95160-RCS6TP/S
M24C16-FCS5TP/S	M95256-DFCS6TP/K
M24C32-FCU6TP/TF	M95512-DFCS6TP/K
M24C32M-FCU6T/TF	M95640-DFCT6TP/K
M24C32S-FCU6T/T	M95M01-DFCS6TP/K
M24C32S-FCU6T/TF	M95M01-DFCS6TPKF
M24C32T-FCU6T/TF	M95M02-DRCS6TP/K
M24C64-DFCT6TP/K	ST25R3912-AWLT
M24C64-FCS6TP/K	

Document Revision History		
Date	Rev.	Description of the Revision
May 30, 2017	1.00	First draft creation

Source Documents & Reference Documents		
Source document Title	Rev.:	Date: