PCN 12067 LSM6DSO products family: UTAC as additional Assy plant. Reliability Plan

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March 18th 2020





Reliability plan 2

Following slide shows the reliability plan associated to the PCN 12067 about the addition of Utac, beside St Calamba, as assy plant about LSM6DSO family.



Reliability Plan 3

Stress TEST	Qty	Method	Criteria	Note	Potential failure mode
Preconditioning (PC)	1000	MSL3 JEDEC JESD-020,	0 Failure	MANDATORY before TC,THS, U-HAST	Parametric stability
Temperature Cycle (TC)	100	-40°C/125°C JEDEC JESD22-A104 PC before	0 Failure	Readout 250cy, 500, 1000 cy	Parametric stability
High Temperature Storage Life (HTSL)	100	+150 °C JEDEC JESD22-A103	0 Failure	Readout 168h, 500, 1000 h	Parametric stability
Temperature Humidity Storage (THS)	500	85°C/85% JEDEC JESD22-A101 PC before	0 Failure	Readout 168h, 500, 1000 h	Parametric stability
U-HAST	100	131°C/ 85% JEDEC JESD22-A118 PC before	0 Failure	Readout 96h	Parametric stability
ESD - CDM	30	up to +/- 750 V	0 Failure	3 pcs / level	



Parametric stability have to be aligned present production (assy at Calamba)