PCN
ASE as additional Assy plant for SWAN 2.0
Reliability Results

AMG MEMS Q&R

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Reliability Results

Following slide shows the reliability results associated to the PCN about the addition of ASE, beside ST Calamba and UTAC Thailand, as assy plant about SWAN 2.0 products family.

Reliability Results

N	TEST NAME	TEST DESCRIPTION	PREC	CONDITION/METHOD	RESULTS
1	**PC (JL3)**	Preconditioning test sequence simulating soldering stress	-	Reference specification JEDEC J-STD-020 MSL = 3 + 3 Reflows T_{peak}260C, 30sec	**PASS**
2	**HTOL**	High Temperature Operating Life	YES	Ta = 125°C, Tj = 125°C, 500h Vdd @ Max Op Voltage Reference specification JESD22-A108	**PASS**
3	**THS**	Temperate Humidity Storage	YES	Ta = 85°C, R.H. = 85%, 1000h Reference specification JESD22-A101	**PASS**
4	**TC**	Temperature Cycling Test (air to air)	YES	Low T = - 40°C High T = +125°C, 1000cys Reference specification JESD22-A104	**PASS**
5	**HTS**	High Temperature Storage	NO	Ta = 150°C, 1000h Reference specification JESD22-A103	**PASS**
6	**u-HAST**	Unbiased High Accelerated Stress Test	YES	Ta = 130°C, R.H. = 85%, 96h Reference specification JESD22-A118	**PASS**

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