6/25/2020

RELIABILITY MONITOR REPORT
FOR

Module Package

MAXIM INTEGRATED

160 RIO ROBLES
SAN JOSE, CA 95134

This Report was prepared by
MAXIM INTEGRATED Reliability Engineering

Summary:

The data in the tables that follow was generated as the result of an on-going Package Reliability Monitor. The specific assemblies included in this package monitor are:

ASSY SITE	PINS	PACKAGE			
MPOC		Module	MPOC	32	Module
MPOC	380	Module			

Note: Due to the nature of the construction on this assembly, there is no operating life data collected.

The reliability data follows. A the start of this data is a description of the assembly vehicle used to generate this reliability data. The next section is the detailed reliability data for each stress. The reliability data section includes the latest data available. This report covers data between 1/1/2020 and 3/31/2020

Assembly Information:

Package Type: Module

Flammability: UL 94-V0

Date Code Range: 1922 to 1922

PACKAGE TESTS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT		QUANTITY	FAILS	FA NO
RESISTANCE TO SOLVENTS	1922	90-16870+003 / DS1687-3+		1	PASS	15	0	
SOLDER SHOCK	1922	90-16870+003 / DS1687-3+	125°C	1	PASS	15	0	
SOLDERABILITY	1922	90-16870+003 / DS1687-3+		1	PASS	15	0	
RESISTANCE TO SOLVENTS	1922	90-16870+003 / DS1687-3+		1	PASS	15	0	
SOLDER SHOCK	1922	90-16870+003 / DS1687-3+	150°C	1	PASS	15	0	
SOLDERABILITY	1922	90-16870+003 / DS1687-3+	150°C	1	PASS	15	0	
					Total:		**0**	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT		QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL		90-1747W+120	-65C TO +150C (Condition C)	1000	CYS	85	0	
TEMP CYCLE, 5' RAMP, 10' DWELL		87-17A48-D01	-65C TO +150C (Condition C)	1000	CYS	85	0	
TEMP CYCLE, 5' RAMP, 10' DWELL		90-1230A+B12	-65C TO +150C (Condition C)	1000	CYS	85	0	
					Total:		**0**	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT		QUANTITY	FAILS	FA NO
BIASED MOISTURE	1922	90-16870+003 / DS1687-3+	130C, 85% R.H.	96	HRS	80	0	
					Total:		**0**	