Qualification Test Report

Date: May 6, 2024

Title: Qualification of Copper Lead Frame from Alloy 42 in ZW54A (54L TSOP II, 22.4X11.84X1.0mm) Package Assembled at Chipmos, Taiwan

Reason for choosing the following test vehicles:	**Affected lead frame part number**
Scope of qualifications:	**Copper lead frame in ZW54A package**
Assessment of Q-Results:	**Pass**
QTP # :	**202240002**

Stress Test	Abbreviation	Test Condition	Readout	CY14B116M-ZSP25XI_A TV 1	CY14B116M-ZSP25XI_A TV 2	CY14B116M-ZSP25XI_A TV 3
				fails / stressed	**fails / stressed**	**fails / stressed**
PRE-CONDITIONING JESD22 -A113	PC	24HRS_125°C 260°C -0 / +5°C MSL3_30°C / 60%RH for 192 hrs	0 h	0/80	0/80	0/80
TEMP CYCLE JESD22-A104, JESD47	TCT	C -65°C to 150°C	500 cycles	0/79	0/80	0/79
WIRE BOND PULL JESD22-B120	BPS	Per JEDEC	30 bonds from 5 devices	0/45	0/45	0/45
BOND SHEAR JESD22-B116	BS	Per JEDEC	30 bonds from 5 devices	0/45	0/45	0/45
ADHESION OF LEAD FINISH MIL-PRF-38535	AF	Per MIL	COMP	0/6	0/6	0/6
SOLDERABILITY J-STD-002	SD	Per JEDEC	COMP	0/5	0/5	0/5
PHYSICAL DIMENSIONS JESD22-B100	PD	Per JEDEC	COMP	0/80	0/80	0/80
LEAD INTEGRITY JESD22-B105	LI	Per JEDEC	COMP	0/5	0/5	0/5

Document History Page

Document Title: Qualification of Copper Lead Frame from Alloy 42 in ZW54A (54L TSOP II, 22.4X11.84X1.0mm) Package Assembled at Chipmos, Taiwan
Document Number: 002-39945

Rev.	ECN No.	Orig. of Change	Description of Change
**	8030199	BAKC	Initial Release.