



MICROCHIP

QUALIFICATION REPORT
RELIABILITY LABORATORY

PCN #: JAON-22ZKEM744

Date
February 8, 2016

**Qualification of Microchip 8 inch Fabrication site for Micrel products
manufactured with the BCD2 Process Technology.**

PACKAGE QUALIFICATION RESULTS					
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	Rej/ss	COMMENTS
Level 1 Pre-conditioning Flow	JESD22-A113	1542	V216.195868.000MQA	0/321	
		1543	V216.195868.100MQA	0/143	
		1545	V216.216184.100MQA	0/145	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	96 HR Rej/ss	COMMENTS
PRESSURE POT With Level 1 Pre-conditioning Tpeak + 260°C 3X Reflow	JESD22-A102	1542	V216.195868.000MQA	0/45	
	Ta = +121°C/100%RH	1543	V216.195868.100MQA	0/45	
	15 PSIG	1545	V216.216184.100MQA	0/45	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	96 HR Rej/ss	COMMENTS
HAST With Level 1 Pre-conditioning Tpeak + 260°C 3X Reflow	JESD22-A110 (BIASED)	1542	V216.195868.000MQA	0/45	
	Ta= +130°C/85%RH	1543	V216.195868.100MQA	0/45	
	JESD22-A118 (UNBIASED)	1545	V216.216184.100MQA	0/45	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	500 CY Rej/ss	COMMENTS
TEMP CYCLE With Level 1 Pre-conditioning Tpeak + 260°C 3X Reflow	JESD22-A104	1542	V216.195868.000MQA	0/45	
	Ta = -65°C / +150°C	1543	V216.195868.100MQA	0/45	
		1545	V216.216184.100MQA	0/45	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	1000 HR Rej/ss	COMMENTS
HTSL High Temperature Storage Life With Level 1 Pre-conditioning	JESD22-A103 Ta = +150°C	1542	V216.195868.000MQA	0/76	
HTSL High Temperature Storage Life With Level 1 Pre-conditioning	JESD22-A103 Ta = +175°C	1542	V216.195868.000MQA	0/76	
FLAMMABILITY	UL-94V-0 Certified	All mold compounds used by Micrel meet this standard. See the UL website on-line list of material flammability certifications. Micrel requires a Certificate of Compliance from the assembly house and we verify the certifications on the web.			

JAON-22ZKEM744-BCD2000001 - CCB 1737.02 Final Notice: Release to production of listed Micrel Power Switch product type manufactured with the BCD2 process technology to Microchip Fab.

Affected Catalog Part Numbers (CPN)

PCN_JAON-22ZKEM744-BCD2000001	
CATALOG_PART_NBR	Estimated First Ship Date (EFSD)
MIC2025-1YM	July 19, 2016
MIC2025-1YM-TR	June 14, 2016
MIC2025-1YMM	July 19, 2016
MIC2025-1YMM-TR	July 19, 2016
MIC2025-2YM	July 19, 2016
MIC2025-2YM-TR	June 14, 2016
MIC2025-2YMM	July 19, 2016
MIC2025-2YMM-TR	July 19, 2016
MIC2544-1YM	July 19, 2016
MIC2544-1YM-TR	July 19, 2016
MIC2544-1YMM	July 19, 2016
MIC2544-1YMM-TR	July 19, 2016
MIC2544-2YM	July 19, 2016
MIC2544-2YM-TR	June 14, 2016
MIC2544-2YMM	July 19, 2016
MIC2544-2YMM-TR	June 14, 2016
MIC2546-1YM	July 19, 2016
MIC2546-1YM-TR	July 19, 2016
MIC2546-1YTS	July 19, 2016
MIC2546-1YTS-TR	July 19, 2016
MIC2546-2YM	June 14, 2016
MIC2546-2YM-TR	July 19, 2016
MIC2546-2YTS	July 19, 2016
MIC2546-2YTS-TR	July 19, 2016
MIC2547-2YM	July 19, 2016
MIC2547-2YM-TR	July 19, 2016
MIC2547-2YTS	July 19, 2016
MIC2547-2YTS-TR	July 19, 2016
MIC2548-2YM	July 19, 2016
MIC2548-2YM-TR	July 19, 2016
MIC2548-2YMM	July 19, 2016
MIC2548-2YMM-TR	July 19, 2016