



**MICROCHIP**

**QUALIFICATION REPORT SUMMARY**

**PCN #: KSRA-12PACO579**

**Date**  
**June 28, 2019**

**Qualification of MTAI as an additional final test site for  
selected Atmel ATTINY products available in 14L SOIC  
package.**

**Purpose: Qualification of MTAI as an additional final test site for selected Atmel ATTINY products available in 14L SOIC package.**

**CCB No.: 3546**

Test / Evaluation	Test Conditions / Parameters	Results
<b>Datalog / Bin Comparison</b>	<ul style="list-style-type: none"> <li>• Compare test numbers, test names, test limit, test sequence, bin assignments &amp; pass/fail results.</li> <li>• Accept if all match or justify the differences</li> </ul>	PASSED
<b>Site by site verification</b>	<ul style="list-style-type: none"> <li>• Verifies the channel map has the correct site assignments and tester/handler communication work correctly</li> </ul>	PASSED
<b>Correlation lot report</b>	<ul style="list-style-type: none"> <li>• Yield at each step and reject analysis between systems. 5K units are tested for each program conversion we perform.</li> <li>• Accept on yield match within 1%</li> </ul>	PASSED
<b>Unit to unit parametric correlation</b>	<ul style="list-style-type: none"> <li>• A full assembly strip characterized on both systems and graphed vs each other &amp; the data sheet limits</li> </ul>	PASSED
<b>Test stability</b>	<ul style="list-style-type: none"> <li>• 50 loop test performed with no datalog delays</li> <li>• Accept on 0 fails</li> </ul>	PASSED
<b>Parametric test stability verification</b>	<ul style="list-style-type: none"> <li>• Use Real Time Statistics software to create CPK report of all parametric tests</li> <li>• Accept on Cpk &gt; 1.67 or explainable</li> </ul>	PASSED