This checklist must be submitted as a PDF as part of your submission.

Name of Certifying Engineer(s): Honson Tran, Videet Parekh, Abelardo Lopez-Lagunas, Sek Chai			
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11011501	iwaterial.com, videetwaterial.com, abelaldowaterial.com, sekwaterial.com		
Name(s) of System Under Test: Raspberry Pi 4B (4GB RAM)		
Divisio	n (check one):		
	Open		
\square	Closed		
Catego	ory (check one):		
\square	Available		
	Preview		
	Research, Development, and Internal (RDI)		
Bench	mark(s) (check all that apply):		
\square	Visual Wake Words		
\square	Keyword Spotting		
\square	Anomaly Detection		

Please fill in the following table adding lines as necessary:

☑ Image Classification

System Under Test Name	Benchmark	Accuracy/AUC
Raspberry Pi 4B (4GB)	ic_fp32	85.5% / 0.99
Raspberry Pi 4B (4GB)	ic_int8	78.5% / 0.95
Raspberry Pi 4B (4GB)	vww_fp32	85.3% / 0.94
Raspberry Pi 4B (4GB)	vww_int8	85.4% / 0.94
Raspberry Pi 4B (4GB)	kws_fp32	91.9% / 0.99
Raspberry Pi 4B (4GB)	kws_int8	89.7% / 0.99
Raspberry Pi 4B (4GB)	ad_fp32	83.1% / 0.90
Raspberry Pi 4B (4GB)	ad_int8	77% / 0.86

For each SUT, is the benchmark Accuracy/AUC target met? (Not a requirement for the Open division) (check all that apply):

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\(\)	Yes (Visual Wake Words 80% Accuracy) Yes (Keyword Spotting 90% Accuracy) Yes (Anomaly Detection 0.85 AUC) Yes (Image Classification 85% Accuracy) No, for some combination of benchmark, scenario and SUT
For ea	ch SUT and benchmark, did the submission run on the whole validation set in accuracy
	? (check one):
	Yes
	No
For ea	ch SUT and benchmark, does the submission use the EEMBC Runner? (check one)
\checkmark	Yes
	No
(check	•
	Yes
	No
Are the	e weights calibrated using data outside of the official calibration set? (check one)
	Yes
\square	No
What ı	numerics does the submission use? (check all that apply)
	INT4
\square	INT8
	INT16
	UINT8
	UINT16
	FP11
	FP16
	BF16
\square	FP32
	Other, please specify:
What I	packend does the submission use? (check all that apply)
	Vendor backend, please name:
	TF-Lite Micro
	Micro TVM
\square	Other, please specify: LEIP Framework

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	of the following caching techniques does the submission use? (check all that apply, none):
	Caching Inputs between iterations
	Caching responses between iterations
	Caching intermediate computations between iterations
Which	of the following techniques does the submission use? (check all that apply, ideally none if
	tting to the closed division.)
	Quantization aware training
	Wholesale weight replacement
	Weight supplements
	Discarding non-zero weight elements
	Pruning
	Modifying weights during the timed portion of an inference run
	Hard coding the total number of queries
☑	None of the above
Is the	submission congruent with all relevant MLPerf rules?
\checkmark	Yes
	No
If the a	answer to the above question is no, please explain:
	nch SUT, have you filled out the JSON system description file? Yes No
	ch SUT, does the submission accurately reflect the real-world performance of the SUT? Yes No
Does y	your submission include the following: (check all that apply)
\square	System description file
\square	Code that implements the benchmarks
	Code/scripts that train the model(s) (Open Division)
	Metadata that describes each system-implementation combination tested
\square	Scripts that set up and execute each system implementation tested
\square	Result logs for each system implementation tested
\square	This Checklist