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

Email of Certifyin	g Engineer(s):	Cheng-Tao Hsieh cthsieh@skymizer.com NUMAKER_M467HJ		
Division (check o ☐ Open ☐ Closed ✓	ne):			
Category (check Available Preview Research	√	and Internal (RDI)		
□ Keyword :□ Anomaly I□ Image Class	ake Words ✓ Spotting ✓ Detection ✓ assification ✓	oly): adding lines as necessary:		
System Under T	est Name	Benchmark	Accuracy/AUC	
NUMAKER_M467HJ		AD	AUC: 0.87	
		IC	Top-1: 87%	
		KWS	Top-1: 91.4%	
		VWW	Top-1: 84.7%	
For each SUT, is the benchmark Accuracy/AUC target met? (Not a requirement for the Open division) (check all that apply): ☐ 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 each SUT an mode? (check on ☐ Yes ✓ ☐ No		did the submission run on the wh	ole validation set in accuracy	

For each SUT and benchmark, does the submission use the EEMBC Runner? (check one) ☐ Yes ✓ ☐ No
For each SUT and benchmark, is the same code run in accuracy and performance modes? (check one) ☐ Yes ✓ ☐ No
Are the weights calibrated using data outside of the official calibration set? (check one) ☐ Yes ☐ No ✓
What numerics does the submission use? (check all that apply) INT4 INT8 ✓ INT16 UINT8 UINT16 FP11 FP16 BF16 BF16 FP32 Other, please specify:
What backend does the submission use? (check all that apply) □ Vendor backend, please name: □ TF-Lite Micro □ Micro TVM □ Other, please specify: ✓ Tiny ONNC with CMSIS-NN intergration.
Which of the following caching techniques does the submission use? (check all that apply, ideally 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 submitting to the closed division.)

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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 ✓
ubmission congruent with all relevant MLPerf rules? Yes ✓ No
nswer to the above question is no, please explain:
th SUT, have you filled out the JSON system description file? Yes ✓ No
th SUT, does the submission accurately reflect the real-world performance of the SUT? Yes \checkmark No
System description file Code that implements the benchmarks Code/scripts that train the model(s) (Open Division) Metadata that describes each system-implementation combination tested Scripts that set up and execute each system implementation tested Result logs for each system implementation tested This Checklist