

Board ID	Doc Version	Date	Author	ASIC ID	Production
F065I	0.1	16.04.2022	L. Ghislotti	065	Italian

	#	Test Description	Pass	Note	
Visual	1	Visual inspection	Yes	See notes (if any)	
Bias	2	Analog	Yes	AVDD [V]	1.798
			Yes	IVDD [mA]	134.5
		Digital	Yes	DVDD [V]	1.791
			Yes	IDVDD [mA]	5
		Calibration	Yes	3V3 [V]	3.002
			Yes	I3V3 [mA]	3
		Bias current	Yes	Ibias [mA]	4.96
		Reference Voltages	Yes	VCMSH [V]	1.190
			Yes	VCM [V]	0.891
			Yes	RVCM [V]	0.899
Digital	3	Configuration test	Yes		
		Wrong address test	Yes		
		Temperature Sensor	Yes	ADC	1040
				T [°C]	25.947
Analog	4	Input-output characteristic	Yes	# of non resp. ch	0
	5	Noise ENC FWHM @ tp=6	Yes	Ch 0 [keV]	3.760
				Ch 7 [keV]	18.800
				Ch 15 [keV]	5.405
				Ch 16 [keV]	3.996
				Ch 23 [keV]	18.375
				Ch 31 [keV]	3.651
	6	Threshold dispersion @ tp=6	Yes	Before FT [DAC]	4.218
				After FT [DAC]	1.565
	7	Pedestal dispersion @ tp=6	Yes	Dispersion [ADC]	4.053

Notes:

solid defect on top
exposed copper on bottom
solid defect on bottom