

Board ID	Doc Version	Date	Author	ASIC ID	Production
F183I	0.1	31.03.2022	L. Ghislotti	183	Italian

	#	Test Description	Pass	Note	
Visual	1	Visual inspection	Yes	See notes (if any)	
Bias	2	Analog	Yes	AVDD [V]	1.795
			Yes	IVDD [mA]	134.6
		Digital	Yes	DVDD [V]	1.796
			Yes	IDVDD [mA]	5
		Calibration	Yes	3V3 [V]	2.991
			Yes	I3V3 [mA]	3
		Bias current	Yes	Ibias [mA]	4.97
		Reference Voltages	Yes	VCM SH [V]	1.197
			Yes	VCM [V]	0.890
			Yes	RVCM [V]	0.897
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]	19.194
				Ch 7 [keV]	112.494
				Ch 15 [keV]	26.947
				Ch 16 [keV]	23.927
				Ch 23 [keV]	111.065
				Ch 31 [keV]	21.425
	6	Threshold dispersion @ tp=6	Yes	Before FT [DAC]	5.687
				After FT [DAC]	3.216
	7	Pedestal dispersion @ tp=6	Yes	Dispersion [ADC]	28.349

Notes:

scratches on bottom

exposed copper on bottom