

F164I

Board ID	Doc Version	Date	Author	ASIC ID	Production
F164I	0.1	31.03.2022	L. Ghislotti	164	Italian

	#	Test Description	Pass	Note	
Visual	1	Visual inspection	Yes	See notes (if any)	
Bias	2	Analog	Yes	AVDD [V]	1.796
			Yes	IVDD [mA]	135.4
		Digital	Yes	DVDD [V]	1.792
			Yes	IDVDD [mA]	5
		Calibration	Yes	3V3 [V]	2.986
			Yes	I3V3 [mA]	4
		Bias current	Yes	Ibias [mA]	4.94
		Reference Voltages	Yes	VCMSH [V]	1.198
			Yes	VCM [V]	0.890
			Yes	RVCM [V]	0.898
Digital	3	Configuration test	Yes		
		Wrong address test	Yes		
		Temperature Sensor	Yes	ADC	1028
				T [°C]	24.975
Analog	4	Input-output characteristic	Yes	# of non resp. ch	0
	5	Noise ENC FWHM @ tp=6	Yes	Ch 0 [keV]	23.179
				Ch 7 [keV]	116.767
				Ch 15 [keV]	32.081
				Ch 16 [keV]	25.876
				Ch 23 [keV]	123.207
				Ch 31 [keV]	23.178
	6	Threshold dispersion @ tp=6	Yes	Before FT [DAC]	5.316
				After FT [DAC]	2.940
	7	Pedestal dispersion @ tp=6	Yes	Dispersion [ADC]	31.385

Notes:

solid defect on bottom