

F251I

Board ID	Doc Version	Date	Author	ASIC ID	Production
F251I	0.1	23.03.2022	L. Ghislotti	251	Italian

	#	Test Description	Pass	Note	
Visual	1	Visual inspection	Yes	See notes (if any)	
Bias	2	Analog	Yes	AVDD [V]	1.799
			Yes	IVDD [mA]	136.7
		Digital	Yes	DVDD [V]	1.797
			Yes	IDVDD [mA]	5
		Calibration	Yes	3V3 [V]	2.995
			Yes	I3V3 [mA]	3
		Bias current	Yes	Ibias [mA]	4.98
		Reference Voltages	Yes	VCM SH [V]	1.200
			Yes	VCM [V]	0.892
			Yes	RVCM [V]	0.900
Digital	3	Configuration test	Yes		
		Wrong address test	Yes		
		Temperature Sensor	Yes	ADC	1027
				T [°C]	24.894
Analog	4	Input-output characteristic	Yes	# of non resp. ch	0
	5	Noise ENC FWHM @ tp=6	Yes	Ch 0 [keV]	22.038
				Ch 7 [keV]	108.459
				Ch 15 [keV]	30.471
				Ch 16 [keV]	29.172
				Ch 23 [keV]	133.488
				Ch 31 [keV]	25.456
	6	Threshold dispersion @ tp=6	Yes	Before FT [DAC]	4.535
				After FT [DAC]	2.037
	7	Pedestal dispersion @ tp=6	Yes	Dispersion [ADC]	32.542

Notes:

scratches on bottom
solid defect on bottom