

F201I

Board ID	Doc Version	Date	Author	ASIC ID	Production
F201I	0.1	11.04.2022	L. Ghislotti	201	Italian

	#	Test Description	Pass	Note	
Visual	1	Visual inspection	Yes	See notes (if any)	
Bias	2	Analog	Yes	AVDD [V]	1.803
			Yes	IVDD [mA]	136.9
		Digital	Yes	DVDD [V]	1.800
			Yes	IDVDD [mA]	5
		Calibration	Yes	3V3 [V]	2.990
			Yes	I3V3 [mA]	4
		Bias current	Yes	Ibias [mA]	5.00
		Reference Voltages	Yes	VCM SH [V]	1.203
			Yes	VCM [V]	0.894
			Yes	RVCM [V]	0.902
Digital	3	Configuration test	Yes		
		Wrong address test	Yes		
		Temperature Sensor	Yes	ADC	1046
				T [°C]	26.432
Analog	4	Input-output characteristic	Yes	# of non resp. ch	0
	5	Noise ENC FWHM @ tp=6	Yes	Ch 0 [keV]	21.215
				Ch 7 [keV]	109.308
				Ch 15 [keV]	28.637
				Ch 16 [keV]	26.297
				Ch 23 [keV]	132.937
				Ch 31 [keV]	24.129
	6	Threshold dispersion @ tp=6	Yes	Before FT [DAC]	5.564
				After FT [DAC]	3.368
	7	Pedestal dispersion @ tp=6	Yes	Dispersion [ADC]	30.288

Notes:

scratches on top
scratches on bottom