

F529U

Board ID	Doc Version	Date	Author	ASIC ID	Production
F529U	0.1	19.05.2022	L. Ghislotti	529	US

	#	Test Description	Pass	Note	
Visual	1	Visual inspection	Yes	See notes (if any)	
Bias	2	Analog	Yes	AVDD [V]	1.797
			Yes	IVDD [mA]	134.2
		Digital	Yes	DVDD [V]	1.798
			Yes	IDVDD [mA]	5
		Calibration	Yes	3V3 [V]	2.985
			Yes	I3V3 [mA]	3
		Bias current	Yes	Ibias [mA]	4.92
		Reference Voltages	Yes	VCMSH [V]	1.199
			Yes	VCM [V]	0.884
			Yes	RVCM [V]	0.899
Digital	3	Configuration test	Yes		
		Wrong address test	Yes		
		Temperature Sensor	Yes	ADC	1085
				T [°C]	29.584
Analog	4	Input-output characteristic	Yes	# of non resp. ch	0
	5	Noise ENC FWHM @ tp=6	Yes	Ch 0 [keV]	6.467
				Ch 7 [keV]	26.471
				Ch 15 [keV]	7.277
				Ch 16 [keV]	17.202
				Ch 23 [keV]	27.355
				Ch 31 [keV]	12.229
	6	Threshold dispersion @ tp=6	Yes	Before FT [DAC]	3.636
				After FT [DAC]	1.409
	7	Pedestal dispersion @ tp=6	Yes	Dispersion [ADC]	8.115

Notes:

scratches on top
scratches on bottom