

F517U

Board ID	Doc Version	Date	Author	ASIC ID	Production
F517U	0.1	19.05.2022	L. Ghislotti	517	US

	#	Test Description	Pass	Note	
Visual	1	Visual inspection	Yes	See notes (if any)	
Bias	2	Analog	Yes	AVDD [V]	1.798
			Yes	IVDD [mA]	133.9
		Digital	Yes	DVDD [V]	1.794
			Yes	IDVDD [mA]	5
		Calibration	Yes	3V3 [V]	2.995
			Yes	I3V3 [mA]	3
		Bias current	Yes	Ibias [mA]	4.91
		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	1114
				T [°C]	31.924
Analog	4	Input-output characteristic	Yes	# of non resp. ch	0
	5	Noise ENC FWHM @ tp=6	Yes	Ch 0 [keV]	10.966
				Ch 7 [keV]	60.931
				Ch 15 [keV]	15.897
				Ch 16 [keV]	21.662
				Ch 23 [keV]	57.998
				Ch 31 [keV]	16.280
	6	Threshold dispersion @ tp=6	Yes	Before FT [DAC]	4.660
				After FT [DAC]	1.971
	7	Pedestal dispersion @ tp=6	Yes	Dispersion [ADC]	17.057

Notes:

scratches on bottom