

F522U

Board ID	Doc Version	Date	Author	ASIC ID	Production
F522U	0.1	19.05.2022	L. Ghislotti	522	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]	135.1
		Digital	Yes	DVDD [V]	1.797
			Yes	IDVDD [mA]	5
		Calibration	Yes	3V3 [V]	2.986
			Yes	I3V3 [mA]	3
		Bias current	Yes	Ibias [mA]	4.95
		Reference Voltages	Yes	VCMSH [V]	1.199
			Yes	VCM [V]	0.883
			Yes	RVCM [V]	0.899
Digital	3	Configuration test	Yes		
		Wrong address test	Yes		
		Temperature Sensor	Yes	ADC	1064
				T [°C]	27.888
Analog	4	Input-output characteristic	Yes	# of non resp. ch	0
	5	Noise ENC FWHM @ tp=6	Yes	Ch 0 [keV]	15.342
				Ch 7 [keV]	80.722
				Ch 15 [keV]	22.032
				Ch 16 [keV]	28.200
				Ch 23 [keV]	99.058
				Ch 31 [keV]	21.382
	6	Threshold dispersion @ tp=6	Yes	Before FT [DAC]	3.803
				After FT [DAC]	1.526
	7	Pedestal dispersion @ tp=6	Yes	Dispersion [ADC]	23.860

Notes:

scratches on bottom