F518U

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| Board ID | Doc Version | Date | Author | ASIC ID | Production |
| F518U | 0.1 | 19.05.2022 | L. Ghislotti | 518 | US |

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|  | **#** | **Test Description** | **Pass** | **Note** | |
| Visual | 1 | Visual inspection | Yes | See notes (if any) | |
| Bias | 2 | Analog | Yes | AVDD [V] | 1.794 |
| Yes | IVDD [mA] | 131.9 |
| Digital | Yes | DVDD [V] | 1.797 |
| Yes | IDVDD [mA] | 5 |
| Calibration | Yes | 3V3 [V] | 2.991 |
| Yes | I3V3 [mA] | 3 |
| Bias current | Yes | Ibias [mA] | 4.92 |
| Reference Voltages | Yes | VCMSH [V] | 1.196 |
| Yes | VCM [V] | 0.882 |
| Yes | RVCM [V] | 0.897 |
| Digital | 3 | Configuration test | Yes |  | |
| Wrong address test | Yes |  | |
| Temperature Sensor | Yes | ADC | 1096 |
| T [°C] | 30.472 |
| Analog | 4 | Input-output characteristic | Yes | # of non resp. ch | 0 |
| 5 | Noise ENC FWHM @ tp=6 | Yes | Ch 0 [keV] | 9.978 |
| Ch 7 [keV] | 59.725 |
| Ch 15 [keV] | 13.415 |
| Ch 16 [keV] | 21.049 |
| Ch 23 [keV] | 59.466 |
| Ch 31 [keV] | 15.579 |
| 6 | Threshold dispersion @ tp=6 | Yes | Before FT [DAC] | 5.204 |
| After FT [DAC] | 2.842 |
| 7 | Pedestal dispersion @ tp=6 | Yes | Dispersion [ADC] | 16.041 |

**Notes:**

solid defect on bottom