F125I

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| Board ID | Doc Version | Date | Author | ASIC ID | Production |
| F125I | 0.1 | 16.04.2022 | L. Ghislotti | 125 | Italian |

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|  | **#** | **Test Description** | **Pass** | **Note** | |
| Visual | 1 | Visual inspection | Yes | See notes (if any) | |
| Bias | 2 | Analog | Yes | AVDD [V] | 1.798 |
| Yes | IVDD [mA] | 137.1 |
| Digital | Yes | DVDD [V] | 1.797 |
| Yes | IDVDD [mA] | 5 |
| Calibration | Yes | 3V3 [V] | 2.996 |
| Yes | I3V3 [mA] | 4 |
| Bias current | Yes | Ibias [mA] | 4.97 |
| Reference Voltages | Yes | VCMSH [V] | 1.199 |
| Yes | VCM [V] | 0.891 |
| Yes | RVCM [V] | 0.899 |
| Digital | 3 | Configuration test | Yes |  | |
| Wrong address test | Yes |  | |
| Temperature Sensor | Yes | ADC | 1069 |
| T [°C] | 28.292 |
| Analog | 4 | Input-output characteristic | Yes | # of non resp. ch | 0 |
| 5 | Noise ENC FWHM @ tp=6 | Yes | Ch 0 [keV] | 2.703 |
| Ch 7 [keV] | 7.644 |
| Ch 15 [keV] | 4.733 |
| Ch 16 [keV] | 3.358 |
| Ch 23 [keV] | 10.964 |
| Ch 31 [keV] | 3.026 |
| 6 | Threshold dispersion @ tp=6 | Yes | Before FT [DAC] | 5.394 |
| After FT [DAC] | 2.936 |
| 7 | Pedestal dispersion @ tp=6 | Yes | Dispersion [ADC] | 2.723 |

**Notes:**

scratches on bottom  
solid defect on bottom