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|------------------|---|
| Software version | 4.14-00 |
| Unit under test | FULL_TEST_su_cavo_ps_pp1_V3 |
| Filename | C:\Users\Public\Documents\CEETIS\Projects\FULL_TEST_su_cavo_ps_pp1_V3.project |
| Date/Time | 07/05/2024 15:30:03 |
| Serial number | Cable01 |

| T e s t r e s u l t | |
|-------------------------------|-------------|
| Continuity test | 1 error |
| LV isolation test | No commands |
| HV isolation test | Pass |
| Test of electrical components | No commands |
| Voltage and Current | No commands |
| Other tests | Pass |
| F A I L E D | |

Ambient Temperature:°C

Ambient Rel.Humidity:%

CONTINUITY AND RESISTANCE MEASUREMENTS

-->LV channels

Parameters for continuity test

Current=500mA; Threshold=40Ohm; Trise=2ms; Twait=2s; Tmeas=1ms; Auto ranging=On; Voltage limit=48V

Parameters for continuity test

Threshold=1Ohm

| | | | | |
|----------|------------|---------|----------|-----------|
| ✓ Passed | LV1 | LV1 S | LV1 Sr | 563,4mOhm |
| ✓ Passed | LVreturn1 | LVR1 S | LVR1 Sr | 562mOhm |
| ✓ Passed | LV2 | LV2 S | LV2 Sr | 568,3mOhm |
| ✓ Passed | LVreturn2 | LVR2 S | LVR2 Sr | 560,2mOhm |
| ✓ Passed | LV3 | LV3 S | LV3 Sr | 569,1mOhm |
| ✓ Passed | LVreturn3 | LVR3 S | LVR3 Sr | 563,3mOhm |
| ✓ Passed | LV4 | LV4 S | LV4 Sr | 562,5mOhm |
| ✓ Passed | LVreturn4 | LVR4 S | LVR4 Sr | 557mOhm |
| ✓ Passed | LV5 | LV5 S | LV5 Sr | 562,3mOhm |
| ✓ Passed | LVreturn5 | LVR5 S | LVR5 Sr | 557,7mOhm |
| ✓ Passed | LV6 | LV6 S | LV6 Sr | 552,4mOhm |
| ✓ Passed | LVreturn6 | LVR6 S | LVR6 Sr | 555mOhm |
| ✓ Passed | LV7 | LV7 S | LV7 Sr | 571,6mOhm |
| ✓ Passed | LVreturn7 | LVR7 S | LVR7 Sr | 557,5mOhm |
| ✓ Passed | LV8 | LV8 S | LV8 Sr | 549,6mOhm |
| ✓ Passed | LVreturn8 | LVR8 S | LVR8 Sr | 547,7mOhm |
| ✓ Passed | LV9 | LV9 S | LV9 Sr | 571,7mOhm |
| ✓ Passed | LVreturn9 | LVR9 S | LVR9 Sr | 562,8mOhm |
| ✓ Passed | LV10 | LV10 S | LV10 Sr | 566,6mOhm |
| ✓ Passed | LVreturn10 | LVR10 S | LVR10 Sr | 562mOhm |
| ✓ Passed | LV11 | LV11 S | LV11 Sr | 569,6mOhm |
| ✓ Passed | LVreturn11 | LVR11 S | LVR11 Sr | 568,3mOhm |
| ✓ Passed | LV12 | LV12 S | LV12 Sr | 565,7mOhm |
| Passed | LVreturn12 | LVR12 S | LVR12 Sr | 569,8mOhm |

| | | | | |
|---|---------------------------------------|----------|---------|---------|
| ✓ | | | | |
| ✓ | Passed | PH | PH S | PH Sr |
| ✓ | Passed | PHreturn | PHR S | PHR Sr |
| | --> Drains | | | |
| ✗ | Open | Drain | Drain S | Drain r |
| | HV channels and Tsensor | | | |
| | Parameters for continuity test | | | |
| | Threshold=15Ohm | | | |
| ✓ | Passed | Tsensor1 | TS1 S | TS1 Sr |
| ✓ | Passed | Tsensor2 | TS2 S | TS2 Sr |
| ✓ | Passed | Tsensor3 | TS3 S | TS3 Sr |
| ✓ | Passed | Tsensor4 | TS4 S | TS4 Sr |
| ✓ | Passed | H1 | H1 S | H1 Sr |
| ✓ | Passed | H2 | H2 S | H2 Sr |
| ✓ | Passed | H3 | H3 S | H3 Sr |
| ✓ | Passed | H4 | H4 S | H4 Sr |
| ✓ | Passed | HR1 | HR1 S | HR1 Sr |
| ✓ | Passed | H5 | H5 S | H5 Sr |
| ✓ | Passed | H6 | H6 S | H6 Sr |
| ✓ | Passed | H7 | H7 S | H7 Sr |
| ✓ | Passed | H8 | H8 S | H8 Sr |
| ✓ | Passed | HR2 | HR2 S | HR2 Sr |
| ✓ | Passed | H9 | H9 S | H9 Sr |
| ✓ | Passed | H10 | H10 S | H10 Sr |
| ✓ | Passed | H11 | H11 S | H11 Sr |
| ✓ | Passed | H12 | H12 S | H12 Sr |
| ✓ | Passed | HR3 | HR3 S | HR3 Sr |

INSULATION TEST 1 VS all

--> LV channels

Parameters for HV isolation test

Voltage=50V; Threshold=100MOhm; Trise=10s; Twait=3s; Tmeas=1s; Auto ranging=On; Current limit=1,95mA; Tmeas red.=Off; Tmeas fact.=1; Voltage ramp=120V/s

Parameters for HV isolation test

Trise=1s; Twait=8s; Tmeas=8s

Passed; LV1; 1658162230.2784; Ohm; 1,658GOhm
 Passed; LVR1; 1264170762.27633; Ohm; 1,264GOhm
 Passed; LV2; 1865462030.05199; Ohm; 1,865GOhm
 Passed; LVR2; 1348109215.31891; Ohm; 1,348GOhm
 Passed; LV3; 1740155427.33794; Ohm; 1,74GOhm
 Passed; LVR3; 1343249351.3735; Ohm; 1,343GOhm
 Passed; LV4; 873198990.2264; Ohm; 873,2MOhm
 Passed; LVR4; 1644833304.11305; Ohm; 1,645GOhm
 Passed; LV5; 1671098645.13728; Ohm; 1,671GOhm
 Passed; LVR5; 1447238722.36784; Ohm; 1,447GOhm
 Passed; LV6; 911324651.82704; Ohm; 911,3MOhm
 Passed; LVR6; 581311692.96123; Ohm; 581,3MOhm
 Passed; LV7; 1279528188.58258; Ohm; 1,28GOhm
 Passed; LVR7; 1970331758.22737; Ohm; 1,97GOhm
 Passed; LV8; 1191029029.65709; Ohm; 1,191GOhm
 Passed; LVR8; 845187688.02608; Ohm; 845,2MOhm
 Passed; LV9; 2078427631.09869; Ohm; 2,078GOhm
 Passed; LVR9; 2354729902.2419; Ohm; 2,355GOhm
 Passed; LV10; 789099387.64607; Ohm; 789,1MOhm
 Passed; LVR10; 1303464721.46951; Ohm; 1,303GOhm
 Passed; LV11; 937720843.441995; Ohm; 937,7MOhm
 Passed; LVR11; 2043856795.05491; Ohm; 2,044GOhm
 Passed; LV12; 1537200981.9937; Ohm; 1,537GOhm
 Passed; LVR12; 1913101596.89036; Ohm; 1,913GOhm

Passed; PH; 2129845001.92727; Ohm; 2,13GOhm
Passed; PHR; 1699064110.44163; Ohm; 1,699GOhm
--> HV channels

Parameters for HV isolation test

Voltage=1,2kV; Threshold=1GOhm; Trise=10s; Tmeas=1s

| | | | |
|----------|-----------|-------|------------|
| ✓ Passed | HV1 | H1 F | >98,21GOhm |
| ✓ Passed | HV2 | H2 F | >98,21GOhm |
| ✓ Passed | HV3 | H3 F | >98,21GOhm |
| ✓ Passed | HV4 | H4 F | 88,94GOhm |
| ✓ Passed | HV5 | H5 F | >98,21GOhm |
| ✓ Passed | HV6 | H6 F | >98,21GOhm |
| ✓ Passed | HV7 | H7 F | >98,21GOhm |
| ✓ Passed | HV8 | H8 F | 71,12GOhm |
| ✓ Passed | HV9 | H9 F | >98,21GOhm |
| ✓ Passed | HV10 | H10 F | 25,83GOhm |
| ✓ Passed | HV11 | H11 F | 54,79GOhm |
| ✓ Passed | HV12 | H12 F | >98,21GOhm |
| ✓ Passed | HVreturn1 | HR1 F | >98,21GOhm |
| ✓ Passed | HVreturn2 | HR2 F | >98,21GOhm |
| ✓ Passed | HVreturn3 | HR3 F | >98,21GOhm |

Parameters for HV isolation test

Voltage=50V; Threshold=100MOhm; Trise=1s; Tmeas=2s

| | | | |
|----------|----------|-------|------------|
| ✓ Passed | Tsensor1 | TS1 F | >4,092GOhm |
| ✓ Passed | Tsensor2 | TS2 F | >4,092GOhm |
| ✓ Passed | Tsensor3 | TS3 F | >4,092GOhm |
| ✓ Passed | Tsensor4 | TS4 F | >4,092GOhm |

INSULATION GROUP TEST

--> LV channels

Parameters for HV isolation test

Threshold=10MOhm

Passed; LV_group; 204150783.758022; Ohm; 204,2MOhm

--> HV channels

Parameters for HV isolation test

Voltage=1,2kV; Threshold=100MOhm; Trise=10s

| | | | | |
|----------|----------|----|-----------|------------|
| ✓ Passed | HV_group | HV | Low group | >4,919GOhm |
|----------|----------|----|-----------|------------|

