



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	09/05/2024 10:36:51
Serial number	Cable03

T e s t r e s u l t	
Continuity test	Pass
LV isolation test	No commands
<i>HV isolation test</i>	<i>5 errors</i>
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=10hm

✓ Passed	LV1	LV1 S	LV1 Sr	562mOhm
✓ Passed	LVreturn1	LVR1 S	LVR1 Sr	560,1mOhm
✓ Passed	LV2	LV2 S	LV2 Sr	565,7mOhm
✓ Passed	LVreturn2	LVR2 S	LVR2 Sr	556,9mOhm
✓ Passed	LV3	LV3 S	LV3 Sr	563,2mOhm
✓ Passed	LVreturn3	LVR3 S	LVR3 Sr	561,4mOhm
✓ Passed	LV4	LV4 S	LV4 Sr	558,3mOhm
✓ Passed	LVreturn4	LVR4 S	LVR4 Sr	556,4mOhm
✓ Passed	LV5	LV5 S	LV5 Sr	558,6mOhm
✓ Passed	LVreturn5	LVR5 S	LVR5 Sr	556mOhm
✓ Passed	LV6	LV6 S	LV6 Sr	548,9mOhm
✓ Passed	LVreturn6	LVR6 S	LVR6 Sr	551,6mOhm
✓ Passed	LV7	LV7 S	LV7 Sr	569,9mOhm
✓ Passed	LVreturn7	LVR7 S	LVR7 Sr	553,6mOhm
✓ Passed	LV8	LV8 S	LV8 Sr	546,6mOhm
✓ Passed	LVreturn8	LVR8 S	LVR8 Sr	545,3mOhm
✓ Passed	LV9	LV9 S	LV9 Sr	567,8mOhm
✓ Passed	LVreturn9	LVR9 S	LVR9 Sr	559mOhm
✓ Passed	LV10	LV10 S	LV10 Sr	562,9mOhm
✓ Passed	LVreturn10	LVR10 S	LVR10 Sr	559mOhm
✓ Passed	LV11	LV11 S	LV11 Sr	568,5mOhm
✓ Passed	LVreturn11	LVR11 S	LVR11 Sr	562,3mOhm
✓ Passed	LV12	LV12 S	LV12 Sr	561,7mOhm
Passed	LVreturn12	LVR12 S	LVR12 Sr	564,3mOhm

✓				
✓	Passed	PH	PH S	PH Sr
✓	Passed	PHreturn	PHR S	PHR Sr
	--> Drains			
✓	Passed	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; 2269518058.85569; Ohm; 2,27GOhm
 Passed; LVR1; 2162895175.72133; Ohm; 2,163GOhm
 Passed; LV2; 1401226353.60733; Ohm; 1,401GOhm
 Passed; LVR2; 1669580847.59644; Ohm; 1,67GOhm
 Fail; LV3; 25520.4300484219; Ohm; 25,52kOhm
 Passed; LVR3; 1482406868.68294; Ohm; 1,482GOhm
 Passed; LV4; 1714241515.69537; Ohm; 1,714GOhm
 Passed; LVR4; 1925573720.57259; Ohm; 1,926GOhm
 Passed; LV5; 1160933188.79219; Ohm; 1,161GOhm
 Passed; LVR5; 1026635190.46934; Ohm; 1,027GOhm
 Passed; LV6; 1412743436.12474; Ohm; 1,413GOhm
 Passed; LVR6; 724573126.59107; Ohm; 724,6MOhm
 Passed; LV7; 2421095212.69509; Ohm; 2,421GOhm
 Passed; LVR7; 1725441362.69633; Ohm; 1,725GOhm
 Passed; LV8; 1482420796.62638; Ohm; 1,482GOhm
 Passed; LVR8; 889317386.572085; Ohm; 889,3MOhm
 Fail; LV9; 25522.9759832091; Ohm; 25,52kOhm
 Passed; LVR9; 1787064770.19207; Ohm; 1,787GOhm
 Passed; LV10; 1744350993.1104; Ohm; 1,744GOhm
 Passed; LVR10; 1592858870.40412; Ohm; 1,593GOhm
 Passed; LV11; 2221480714.9486; Ohm; 2,221GOhm
 Passed; LVR11; 1196241230.35542; Ohm; 1,196GOhm
 Passed; LV12; 1685634146.56307; Ohm; 1,686GOhm
 Passed; LVR12; 2027702230.59625; Ohm; 2,028GOhm

Fail; PH; 25526.313297904; Ohm; 25,53kOhm
Fail; PHR; 25526.6793849381; Ohm; 25,53kOhm
--> HV channels

Parameters for HV isolation test

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

✓ Passed	HV1	H1 F	>98,41GOhm
✓ Passed	HV2	H2 F	>98,41GOhm
✓ Passed	HV3	H3 F	>98,41GOhm
✓ Passed	HV4	H4 F	>98,41GOhm
✓ Passed	HV5	H5 F	>98,41GOhm
✓ Passed	HV6	H6 F	>98,41GOhm
✓ Passed	HV7	H7 F	>98,41GOhm
✓ Passed	HV8	H8 F	>98,41GOhm
✓ Passed	HV9	H9 F	>98,41GOhm
✓ Passed	HV10	H10 F	42,23GOhm
✓ Passed	HV11	H11 F	66,62GOhm
✓ Passed	HV12	H12 F	>98,41GOhm
✓ Passed	HVreturn1	HR1 F	>98,41GOhm
✓ Passed	HVreturn2	HR2 F	>98,41GOhm
✓ Passed	HVreturn3	HR3 F	>98,41GOhm

Parameters for HV isolation test

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

✓ Passed	Tsensor1	TS1 F	>4,101GOhm
✓ Passed	Tsensor2	TS2 F	>4,101GOhm
✓ Passed	Tsensor3	TS3 F	>4,101GOhm
✓ Passed	Tsensor4	TS4 F	>4,101GOhm

INSULATION GROUP TEST

--> LV channels

Parameters for HV isolation test

Threshold=10MOhm

Fail; LV_group; 25534.3050078553; Ohm; 25,53kOhm

--> HV channels

Parameters for HV isolation test

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

✓ Passed	HV_group	HV	Low group	>4,921GOhm
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