



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	06/05/2024 11:50:37
Serial number	Cable02

T e s t r e s u l t	
Continuity test	2 errors
LV isolation test	No commands
HV isolation test	6 errors
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	586mOhm
✓ Passed	LVreturn1	LVR1 S	LVR1 Sr	579,9mOhm
✓ Passed	LV2	LV2 S	LV2 Sr	585mOhm
✓ Passed	LVreturn2	LVR2 S	LVR2 Sr	581,1mOhm
✓ Passed	LV3	LV3 S	LV3 Sr	588,7mOhm
✓ Passed	LVreturn3	LVR3 S	LVR3 Sr	581,1mOhm
✓ Passed	LV4	LV4 S	LV4 Sr	583mOhm
✓ Passed	LVreturn4	LVR4 S	LVR4 Sr	577,7mOhm
✓ Passed	LV5	LV5 S	LV5 Sr	581,6mOhm
✓ Passed	LVreturn5	LVR5 S	LVR5 Sr	581,2mOhm
✓ Passed	LV6	LV6 S	LV6 Sr	572mOhm
✓ Passed	LVreturn6	LVR6 S	LVR6 Sr	574,3mOhm
✓ Passed	LV7	LV7 S	LV7 Sr	587mOhm
✓ Passed	LVreturn7	LVR7 S	LVR7 Sr	581mOhm
✓ Passed	LV8	LV8 S	LV8 Sr	571,2mOhm
✓ Passed	LVreturn8	LVR8 S	LVR8 Sr	571,1mOhm
✗ Open	LV9	LV9 S	LV9 Sr	1,186Ohm
✓ Passed	LVreturn9	LVR9 S	LVR9 Sr	578,5mOhm
✓ Passed	LV10	LV10 S	LV10 Sr	585,7mOhm
✓ Passed	LVreturn10	LVR10 S	LVR10 Sr	583,9mOhm
✓ Passed	LV11	LV11 S	LV11 Sr	586,7mOhm
✓ Passed	LVreturn11	LVR11 S	LVR11 Sr	588,3mOhm
✓ Passed	LV12	LV12 S	LV12 Sr	587,2mOhm
Passed	LVreturn12	LVR12 S	LVR12 Sr	587,4mOhm

✓				
✓	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; 568268488.8955; Ohm; 568,3MOhm

Passed; LVR1; 1651708605.77895; Ohm; 1,652GOhm

Passed; LV2; 1504714724.23853; Ohm; 1,505GOhm

Fail; LVR2; 25556.1188031578; Ohm; 25,56kOhm

Fail; LV3; 25568.5015340352; Ohm; 25,57kOhm

Passed; LVR3; 1703689823.60472; Ohm; 1,704GOhm

Passed; LV4; 1668401227.18297; Ohm; 1,668GOhm

Passed; LVR4; 1827078705.7644; Ohm; 1,827GOhm

Passed; LV5; 2209476127.22024; Ohm; 2,209GOhm

Passed; LVR5; 2209429848.28769; Ohm; 2,209GOhm

Passed; LV6; 906279854.475365; Ohm; 906,3MOhm

Passed; LVR6; 1546621704.30928; Ohm; 1,547GOhm

Fail; LV7; 25571.4991326461; Ohm; 25,57kOhm

Passed; LVR7; 1927239077.3793; Ohm; 1,927GOhm

Passed; LV8; 975671481.063455; Ohm; 975,7MOhm

Passed; LVR8; 1171700901.53477; Ohm; 1,172GOhm

Fail; LV9; 25573.6136749591; Ohm; 25,57kOhm

Passed; LVR9; 1397672731.51379; Ohm; 1,398GOhm

Passed; LV10; 1295185079.35057; Ohm; 1,295GOhm

Passed; LVR10; 2198713374.99574; Ohm; 2,199GOhm

Passed; LV11; 1700880327.13316; Ohm; 1,701GOhm

Passed; LVR11; 1754106007.7083; Ohm; 1,754GOhm

Passed; LV12; 1847472804.48581; Ohm; 1,847GOhm

Passed; LVR12; 1483334769.37787; Ohm; 1,483GOhm

Fail; PH; 25576.1071938523; Ohm; 25,58kOhm
Passed; PHR; 2644147465.72211; Ohm; 2,644GOhm
--> HV channels

Parameters for HV isolation test

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

✓ Passed	HV1	H1 F	27,02GOhm
✓ Passed	HV2	H2 F	61,24GOhm
✓ Passed	HV3	H3 F	11,89GOhm
✓ Passed	HV4	H4 F	>98,2GOhm
✓ Passed	HV5	H5 F	44,47GOhm
✓ Passed	HV6	H6 F	49GOhm
✓ Passed	HV7	H7 F	>98,2GOhm
✓ Passed	HV8	H8 F	68,75GOhm
✓ Passed	HV9	H9 F	49,09GOhm
✓ Passed	HV10	H10 F	>98,2GOhm
✓ Passed	HV11	H11 F	>98,2GOhm
✓ Passed	HV12	H12 F	>98,2GOhm
✓ Passed	HVreturn1	HR1 F	>98,2GOhm
✓ Passed	HVreturn2	HR2 F	>98,2GOhm
✓ Passed	HVreturn3	HR3 F	>98,2GOhm

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	2,458GOhm
✓ Passed	Tsensor4	TS4 F	>4,092GOhm

INSULATION GROUP TEST

--> LV channels

Parameters for HV isolation test

Threshold=10MOhm

Fail; LV_group; 25582.4255991317; Ohm; 25,58kOhm

--> HV channels

Parameters for HV isolation test

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

✓ Passed	HV_group	HV	Low group	3,794GOhm
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