

IDEAL Industries, Inc. Certified - Detailed Report

Job Name: JOB1
Customer:

Report Date: 11/30/2010
S/W Version: 3.275

Summary:

All Cables

Total: 1
Pass: 1
Fail: 0

Twisted Pair

Total: 1
Pass: 1
Fail: 0
Tot. Length: 5.2ft.

Coax/Twinax

Total: 0
Pass: 0
Fail: 0
Tot. Length: 0.0ft.

Fiber

Total: 0
Pass: 0
Fail: 0
Tot. Length: 0.0ft.

Custom

Total: 0
Pass: 0
Fail: 0
Tot. Length: 0.0ft.

PASS

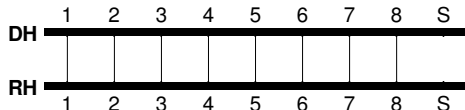
Cable ID 1: TST
Cable ID 2:
Test Date: 11/30/2010
Test Time: 08:08:34
Adapter ID: 6000

Cable Type: Cat 6-250 UTP Chan
NVP: 0.72c
LANTEK 6 [507051/507062]
F/W Version: 2.800
Temperature Setting: 68.0 °F

Test Standard: TIA 568-B.2
Frequency Range: 1-250 MHz
Operator: OPERATOR NAME
Contractor: CONTRACTOR NAME
Company: COMPANY NAME

Notes:

Wiremap



PASS

Pairs (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limit	Result
Length	5.2ft.	5.6ft.	5.2ft.	5.2ft.	< 328.1ft.	Pass
Prop. Delay	7.8ns	8.0ns	7.4ns	7.4ns	< 555.0ns	Pass
Delay Skew	0.6ns (Pairs 3,6 vs. 1,2)				< 50.0 ns	Pass
DC Resistance	2.2 Ohm	2.3 Ohm	2.5 Ohm	2.7 Ohm	< 20.0 Ohm	Pass
Headroom	0.0 dB					Pass

NEXT: PASS

Pairs	DH/RH	Result	Worst Margin	Worst dB	Limit	Margin
7,8-3,6	DH	Pass	49.0 dB @ 209.50MHz	48.1 dB	> 34.4 dB	14.6 dB
7,8-5,4	DH	Pass	61.8 dB @ 60.00MHz	53.2 dB	> 43.7 dB	18.1 dB
7,8-1,2	DH	Pass	67.8 dB @ 197.00MHz	67.8 dB	> 34.9 dB	32.9 dB
3,6-5,4	DH	Pass	45.9 dB @ 243.50MHz	45.9 dB	> 33.3 dB	12.6 dB
3,6-1,2	DH	Pass	56.6 dB @ 74.50MHz	47.8 dB	> 42.1 dB	14.5 dB
5,4-1,2	DH	Pass	62.0 dB @ 59.00MHz	52.1 dB	> 43.8 dB	18.2 dB
7,8-3,6	RH	Pass	48.1 dB @ 238.50MHz	48.1 dB	> 33.5 dB	14.6 dB
7,8-5,4	RH	Pass	59.7 dB @ 70.25MHz	53.2 dB	> 42.5 dB	17.2 dB
7,8-1,2	RH	Pass	67.1 dB @ 196.50MHz	67.1 dB	> 34.9 dB	32.2 dB
3,6-5,4	RH	Pass	46.0 dB @ 241.00MHz	46.0 dB	> 33.4 dB	12.6 dB
3,6-1,2	RH	Pass	48.1 dB @ 231.00MHz	47.8 dB	> 33.7 dB	14.4 dB
5,4-1,2	RH	Pass	51.4 dB @ 237.00MHz	51.4 dB	> 33.5 dB	17.9 dB

Return Loss: PASS

Pairs	DH/RH	Result	Worst Margin	Worst dB	Limit	Margin
7,8	DH	Pass	18.9 dB @ 250.00MHz	18.9 dB	> 8.0 dB	10.9 dB
3,6	DH	Pass	14.8 dB @ 215.50MHz	14.8 dB	> 8.7 dB	6.1 dB
5,4	DH	Pass	21.5 dB @ 228.00MHz	21.4 dB	> 8.4 dB	13.1 dB
1,2	DH	Pass	20.2 dB @ 249.50MHz	20.2 dB	> 8.0 dB	12.2 dB
7,8	RH	Pass	21.3 dB @ 242.50MHz	21.2 dB	> 8.2 dB	13.1 dB
3,6	RH	Pass	15.4 dB @ 215.50MHz	15.3 dB	> 8.7 dB	6.7 dB
5,4	RH	Pass	21.8 dB @ 236.50MHz	21.7 dB	> 8.3 dB	13.5 dB
1,2	RH	Pass	23.0 dB @ 247.50MHz	23.0 dB	> 8.1 dB	14.9 dB

Attenuation: PASS

Pairs	Result	Worst Margin	Worst dB	Limit	Margin
7,8	Pass	0.0 dB @ 2.35MHz	2.6 dB	< 3.1 dB	3.1 dB
3,6	Pass	0.0 dB @ 2.35MHz	2.6 dB	< 3.1 dB	3.1 dB
5,4	Pass	0.0 dB @ 2.35MHz	2.6 dB	< 3.1 dB	3.1 dB
1,2	Pass	0.0 dB @ 2.35MHz	2.6 dB	< 3.1 dB	3.1 dB

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NVP: 0.72c
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Temperature Setting: 68.0 ° F

Test Standard: TIA 568-B.2
Frequency Range: 1-250 MHz
Operator: OPERATOR NAME
Contractor: CONTRACTOR NAME
Company: COMPANY NAME

Notes:
ACR: PASS

<u>Pairs</u>	<u>DH/RH</u>	<u>Result</u>	<u>Worst Margin</u>	<u>Worst dB</u>	<u>Limit</u>	<u>Margin</u>
7,8	DH	Pass	46.4 dB @ 242.00MHz	N/A	>= -1.9 dB	48.3 dB
3,6	DH	Pass	44.4 dB @ 238.50MHz	N/A	>= -1.5 dB	45.9 dB
5,4	DH	Pass	44.5 dB @ 240.50MHz	N/A	>= -1.7 dB	46.2 dB
1,2	DH	Pass	46.3 dB @ 242.50MHz	N/A	>= -2.0 dB	48.3 dB
7,8	RH	Pass	46.4 dB @ 238.50MHz	N/A	>= -1.5 dB	47.9 dB
3,6	RH	Pass	44.3 dB @ 241.00MHz	N/A	>= -1.8 dB	46.1 dB
5,4	RH	Pass	44.4 dB @ 241.00MHz	N/A	>= -1.8 dB	46.2 dB
1,2	RH	Pass	46.2 dB @ 239.50MHz	N/A	>= -1.6 dB	47.8 dB

ELFEXT: PASS

<u>Pairs</u>	<u>DH/RH</u>	<u>Result</u>	<u>Worst Margin</u>	<u>Worst dB</u>	<u>Limit</u>	<u>Margin</u>
7,8-3,6	DH	Pass	44.3 dB @ 125.50MHz	38.5 dB	> 21.3 dB	23.0 dB
7,8-5,4	DH	Pass	56.1 dB @ 247.00MHz	56.1 dB	> 15.4 dB	40.7 dB
7,8-1,2	DH	Pass	64.6 dB @ 136.50MHz	62.6 dB	> 20.6 dB	44.0 dB
3,6-7,8	DH	Pass	44.5 dB @ 122.50MHz	39.2 dB	> 21.5 dB	23.0 dB
3,6-5,4	DH	Pass	34.3 dB @ 237.50MHz	34.1 dB	> 15.7 dB	18.6 dB
3,6-1,2	DH	Pass	38.8 dB @ 239.50MHz	38.8 dB	> 15.7 dB	23.1 dB
5,4-7,8	DH	Pass	54.6 dB @ 248.50MHz	54.6 dB	> 15.4 dB	39.2 dB
5,4-3,6	DH	Pass	33.7 dB @ 239.50MHz	33.7 dB	> 15.7 dB	18.0 dB
5,4-1,2	DH	Pass	47.2 dB @ 196.50MHz	46.2 dB	> 17.4 dB	29.8 dB
1,2-7,8	DH	Pass	62.9 dB @ 158.50MHz	61.8 dB	> 19.3 dB	43.6 dB
1,2-3,6	DH	Pass	38.5 dB @ 240.00MHz	38.5 dB	> 15.7 dB	22.8 dB
1,2-5,4	DH	Pass	46.8 dB @ 209.00MHz	46.2 dB	> 16.9 dB	29.9 dB
7,8-3,6	RH	Pass	38.1 dB @ 247.50MHz	38.1 dB	> 15.4 dB	22.7 dB
7,8-5,4	RH	Pass	56.0 dB @ 247.00MHz	56.0 dB	> 15.4 dB	40.6 dB
7,8-1,2	RH	Pass	64.6 dB @ 136.50MHz	62.6 dB	> 20.6 dB	44.0 dB
3,6-7,8	RH	Pass	44.5 dB @ 122.50MHz	39.2 dB	> 21.5 dB	23.0 dB
3,6-5,4	RH	Pass	34.0 dB @ 237.50MHz	34.0 dB	> 15.7 dB	18.3 dB
3,6-1,2	RH	Pass	38.7 dB @ 235.50MHz	38.6 dB	> 15.8 dB	22.9 dB
5,4-7,8	RH	Pass	54.6 dB @ 248.50MHz	54.6 dB	> 15.4 dB	39.2 dB
5,4-3,6	RH	Pass	33.4 dB @ 248.00MHz	33.4 dB	> 15.4 dB	18.0 dB
5,4-1,2	RH	Pass	47.2 dB @ 196.50MHz	46.3 dB	> 17.4 dB	29.8 dB
1,2-7,8	RH	Pass	62.9 dB @ 158.50MHz	61.8 dB	> 19.3 dB	43.6 dB
1,2-3,6	RH	Pass	38.7 dB @ 240.00MHz	38.3 dB	> 15.7 dB	23.0 dB
1,2-5,4	RH	Pass	46.8 dB @ 208.00MHz	46.2 dB	> 16.9 dB	29.9 dB

Power Sum NEXT: PASS

<u>Pairs</u>	<u>DH/RH</u>	<u>Result</u>	<u>Worst Margin</u>	<u>Worst dB</u>	<u>Limit</u>	<u>Margin</u>
7,8	DH	Pass	47.9 dB @ 209.50MHz	46.9 dB	> 31.4 dB	16.5 dB
3,6	DH	Pass	42.5 dB @ 242.00MHz	42.5 dB	> 30.4 dB	12.1 dB
5,4	DH	Pass	44.7 dB @ 237.50MHz	44.6 dB	> 30.5 dB	14.2 dB
1,2	DH	Pass	56.4 dB @ 63.00MHz	46.7 dB	> 40.3 dB	16.1 dB
7,8	RH	Pass	55.9 dB @ 69.25MHz	47.0 dB	> 39.6 dB	16.3 dB
3,6	RH	Pass	42.6 dB @ 238.50MHz	42.5 dB	> 30.5 dB	12.1 dB
5,4	RH	Pass	44.5 dB @ 239.00MHz	44.5 dB	> 30.5 dB	14.0 dB
1,2	RH	Pass	46.4 dB @ 235.00MHz	46.2 dB	> 30.6 dB	15.8 dB

Power Sum ACR: PASS

<u>Pairs</u>	<u>DH/RH</u>	<u>Result</u>	<u>Worst Margin</u>	<u>Worst dB</u>	<u>Limit</u>	<u>Margin</u>
7,8	DH	Pass	45.3 dB @ 241.50MHz	N/A	>= -4.8 dB	50.1 dB
3,6	DH	Pass	40.8 dB @ 239.50MHz	N/A	>= -4.6 dB	45.4 dB
5,4	DH	Pass	43.1 dB @ 237.50MHz	N/A	>= -4.4 dB	47.5 dB
1,2	DH	Pass	45.1 dB @ 233.50MHz	N/A	>= -3.9 dB	49.0 dB
7,8	RH	Pass	45.3 dB @ 238.50MHz	N/A	>= -4.5 dB	49.8 dB
3,6	RH	Pass	40.7 dB @ 239.50MHz	N/A	>= -4.6 dB	45.3 dB
5,4	RH	Pass	42.9 dB @ 239.00MHz	N/A	>= -4.5 dB	47.4 dB
1,2	RH	Pass	44.6 dB @ 239.50MHz	N/A	>= -4.6 dB	49.2 dB

Power Sum ELFEXT: PASS

<u>Pairs</u>	<u>DH/RH</u>	<u>Result</u>	<u>Worst Margin</u>	<u>Worst dB</u>	<u>Limit</u>	<u>Margin</u>
7,8	DH	Pass	44.1 dB @ 128.50MHz	39.0 dB	>= 18.1 dB	26.0 dB
3,6	DH	Pass	31.9 dB @ 233.00MHz	31.5 dB	>= 12.9 dB	19.0 dB
5,4	DH	Pass	34.0 dB @ 237.50MHz	33.8 dB	>= 12.7 dB	21.3 dB
1,2	DH	Pass	38.1 dB @ 239.50MHz	38.1 dB	>= 12.7 dB	25.4 dB
7,8	RH	Pass	38.0 dB @ 247.50MHz	38.0 dB	>= 12.4 dB	25.6 dB
3,6	RH	Pass	32.1 dB @ 234.00MHz	31.9 dB	>= 12.9 dB	19.2 dB
5,4	RH	Pass	33.1 dB @ 248.00MHz	33.1 dB	>= 12.4 dB	20.7 dB