

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: 150.3ft.

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

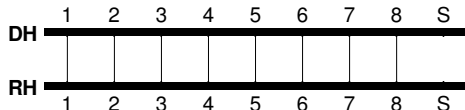
Cable ID 1: TST
Cable ID 2:
Test Date: 8/15/2010
Test Time: 21:16:05
Adapter ID: 6004

Cable Type: CAT 5E UTP Chan
NVP: 0.72c
LANTEK 7G [625058/625067]
F/W Version: 2.800
Temperature Setting: 68.0 °F

Test Standard: TIA 568-B.2
Frequency Range: 1-100 MHz
Operator:
Contractor:
Company:

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	150.6ft.	151.9ft.	151.2ft.	150.3ft.	< 328.1ft.	Pass
Prop. Delay	217.6ns	219.5ns	218.4ns	217.2ns	< 555.0ns	Pass
Delay Skew	2.3ns (Pairs 3,6 vs. 1,2)				< 50.0 ns	Pass
Headroom	3.1 dB					Pass

NEXT: PASS

Pairs	DH/RH	Result	Worst Margin	Worst dB	Limit	Margin
7,8-3,6	DH	Pass	47.8 dB @ 62.00MHz	47.2 dB	> 33.6 dB	14.2 dB
7,8-5,4	DH	Pass	59.9 dB @ 7.30MHz	41.1 dB	> 49.3 dB	10.6 dB
7,8-1,2	DH	Pass	52.9 dB @ 59.50MHz	49.2 dB	> 34.0 dB	18.9 dB
3,6-5,4	DH	Pass	33.3 dB @ 94.75MHz	33.3 dB	> 30.5 dB	2.8 dB
3,6-1,2	DH	Pass	41.4 dB @ 95.50MHz	41.4 dB	> 30.4 dB	11.0 dB
5,4-1,2	DH	Pass	46.8 dB @ 97.25MHz	46.7 dB	> 30.3 dB	16.5 dB
7,8-3,6	RH	Pass	52.9 dB @ 52.00MHz	50.9 dB	> 35.0 dB	17.9 dB
7,8-5,4	RH	Pass	53.3 dB @ 22.00MHz	44.4 dB	> 41.3 dB	12.0 dB
7,8-1,2	RH	Pass	57.8 dB @ 29.65MHz	50.4 dB	> 39.1 dB	18.7 dB
3,6-5,4	RH	Pass	42.4 dB @ 80.25MHz	42.4 dB	> 31.7 dB	10.7 dB
3,6-1,2	RH	Pass	46.3 dB @ 70.25MHz	46.3 dB	> 32.7 dB	13.6 dB
5,4-1,2	RH	Pass	51.8 dB @ 94.75MHz	51.8 dB	> 30.5 dB	21.3 dB

Return Loss: PASS

Pairs	DH/RH	Result	Worst Margin	Worst dB	Limit	Margin
7,8	DH	Pass	22.5 dB @ 1.00MHz	22.5 dB	> 17.0 dB	5.5 dB
3,6	DH	Pass	23.1 dB @ 1.00MHz	23.1 dB	> 17.0 dB	6.1 dB
5,4	DH	Pass	22.0 dB @ 1.00MHz	22.0 dB	> 17.0 dB	5.0 dB
1,2	DH	Pass	22.6 dB @ 1.00MHz	22.6 dB	> 17.0 dB	5.6 dB
7,8	RH	Pass	21.8 dB @ 1.00MHz	21.8 dB	> 17.0 dB	4.8 dB
3,6	RH	Pass	22.3 dB @ 1.00MHz	22.3 dB	> 17.0 dB	5.3 dB
5,4	RH	Pass	21.4 dB @ 1.00MHz	21.4 dB	> 17.0 dB	4.4 dB
1,2	RH	Pass	22.0 dB @ 1.00MHz	22.0 dB	> 17.0 dB	5.0 dB

Attenuation: PASS

Pairs	Result	Worst Margin	Worst dB	Limit	Margin
7,8	Pass	1.7 dB @ 1.90MHz	13.5 dB	< 3.1 dB	1.4 dB
3,6	Pass	1.6 dB @ 1.90MHz	14.1 dB	< 3.1 dB	1.5 dB
5,4	Pass	1.7 dB @ 1.90MHz	13.9 dB	< 3.1 dB	1.4 dB
1,2	Pass	1.7 dB @ 1.90MHz	13.7 dB	< 3.1 dB	1.4 dB

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Frequency Range: 1-100 MHz
Operator:
Contractor:
Company:

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	27.6 dB @ 100.00MHz	N/A	>= 6.1 dB	21.5 dB
3,6	DH	Pass	19.6 dB @ 94.75MHz	N/A	>= 7.2 dB	12.4 dB
5,4	DH	Pass	19.9 dB @ 94.75MHz	N/A	>= 7.2 dB	12.7 dB
1,2	DH	Pass	28.1 dB @ 95.50MHz	N/A	>= 7.0 dB	21.1 dB
7,8	RH	Pass	31.6 dB @ 97.25MHz	N/A	>= 6.6 dB	25.0 dB
3,6	RH	Pass	29.2 dB @ 97.25MHz	N/A	>= 6.6 dB	22.6 dB
5,4	RH	Pass	29.4 dB @ 97.25MHz	N/A	>= 6.6 dB	22.8 dB
1,2	RH	Pass	34.0 dB @ 88.25MHz	N/A	>= 8.6 dB	25.4 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	39.7 dB @ 67.00MHz	38.4 dB	> 20.9 dB	18.8 dB
7,8-5,4	DH	Pass	35.7 dB @ 96.00MHz	35.7 dB	> 17.8 dB	17.9 dB
7,8-1,2	DH	Pass	60.8 dB @ 47.50MHz	55.1 dB	> 23.9 dB	36.9 dB
3,6-7,8	DH	Pass	59.2 dB @ 7.45MHz	38.9 dB	> 40.0 dB	19.2 dB
3,6-5,4	DH	Pass	24.6 dB @ 85.50MHz	23.2 dB	> 18.8 dB	5.8 dB
3,6-1,2	DH	Pass	24.3 dB @ 93.50MHz	23.9 dB	> 18.0 dB	6.3 dB
5,4-7,8	DH	Pass	34.9 dB @ 98.25MHz	34.8 dB	> 17.6 dB	17.3 dB
5,4-3,6	DH	Pass	23.0 dB @ 95.50MHz	22.7 dB	> 17.8 dB	5.2 dB
5,4-1,2	DH	Pass	28.5 dB @ 80.75MHz	26.8 dB	> 19.3 dB	9.2 dB
1,2-7,8	DH	Pass	61.0 dB @ 44.75MHz	55.9 dB	> 24.4 dB	36.6 dB
1,2-3,6	DH	Pass	23.4 dB @ 98.25MHz	23.4 dB	> 17.6 dB	5.8 dB
1,2-5,4	DH	Pass	26.6 dB @ 94.75MHz	26.2 dB	> 17.9 dB	8.7 dB
7,8-3,6	RH	Pass	62.4 dB @ 4.90MHz	38.9 dB	> 43.6 dB	18.8 dB
7,8-5,4	RH	Pass	36.1 dB @ 96.00MHz	36.1 dB	> 17.8 dB	18.3 dB
7,8-1,2	RH	Pass	60.9 dB @ 47.50MHz	55.3 dB	> 23.9 dB	37.0 dB
3,6-7,8	RH	Pass	39.6 dB @ 69.00MHz	38.3 dB	> 20.6 dB	19.0 dB
3,6-5,4	RH	Pass	24.3 dB @ 85.50MHz	23.0 dB	> 18.8 dB	5.5 dB
3,6-1,2	RH	Pass	24.6 dB @ 87.50MHz	23.6 dB	> 18.6 dB	6.0 dB
5,4-7,8	RH	Pass	34.7 dB @ 96.75MHz	34.5 dB	> 17.7 dB	17.0 dB
5,4-3,6	RH	Pass	23.0 dB @ 98.00MHz	22.9 dB	> 17.6 dB	5.4 dB
5,4-1,2	RH	Pass	28.4 dB @ 80.75MHz	26.7 dB	> 19.3 dB	9.1 dB
1,2-7,8	RH	Pass	60.9 dB @ 44.75MHz	55.7 dB	> 24.4 dB	36.5 dB
1,2-3,6	RH	Pass	23.7 dB @ 98.25MHz	23.7 dB	> 17.6 dB	6.1 dB
1,2-5,4	RH	Pass	26.6 dB @ 96.00MHz	26.4 dB	> 17.8 dB	8.8 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	41.4 dB @ 79.75MHz	40.0 dB	> 28.8 dB	12.6 dB
3,6	DH	Pass	32.6 dB @ 94.75MHz	32.6 dB	> 27.5 dB	5.1 dB
5,4	DH	Pass	32.6 dB @ 94.75MHz	32.6 dB	> 27.5 dB	5.1 dB
1,2	DH	Pass	40.1 dB @ 95.25MHz	40.1 dB	> 27.4 dB	12.7 dB
7,8	RH	Pass	51.4 dB @ 24.55MHz	43.0 dB	> 37.5 dB	13.9 dB
3,6	RH	Pass	40.6 dB @ 80.25MHz	40.6 dB	> 28.7 dB	11.9 dB
5,4	RH	Pass	40.5 dB @ 80.25MHz	40.5 dB	> 28.7 dB	11.8 dB
1,2	RH	Pass	45.4 dB @ 70.25MHz	45.0 dB	> 29.7 dB	15.7 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	26.5 dB @ 99.75MHz	N/A	>= 3.1 dB	23.4 dB
3,6	DH	Pass	18.9 dB @ 94.75MHz	N/A	>= 4.2 dB	14.7 dB
5,4	DH	Pass	19.2 dB @ 94.75MHz	N/A	>= 4.2 dB	15.0 dB
1,2	DH	Pass	26.8 dB @ 95.25MHz	N/A	>= 4.0 dB	22.8 dB
7,8	RH	Pass	30.2 dB @ 99.50MHz	N/A	>= 3.2 dB	27.0 dB
3,6	RH	Pass	28.3 dB @ 80.25MHz	N/A	>= 7.4 dB	20.9 dB
5,4	RH	Pass	27.0 dB @ 97.25MHz	N/A	>= 3.6 dB	23.4 dB
1,2	RH	Pass	32.6 dB @ 88.25MHz	N/A	>= 5.6 dB	27.0 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	33.4 dB @ 98.50MHz	33.4 dB	>= 14.5 dB	18.9 dB
3,6	DH	Pass	20.0 dB @ 98.00MHz	20.0 dB	>= 14.6 dB	5.4 dB
5,4	DH	Pass	21.2 dB @ 100.00MHz	21.2 dB	>= 14.4 dB	6.8 dB
1,2	DH	Pass	22.6 dB @ 93.50MHz	22.2 dB	>= 15.0 dB	7.6 dB
7,8	RH	Pass	38.7 dB @ 57.25MHz	34.4 dB	>= 19.2 dB	19.5 dB
3,6	RH	Pass	21.5 dB @ 85.50MHz	20.2 dB	>= 15.8 dB	5.7 dB
5,4	RH	Pass	21.1 dB @ 100.00MHz	21.1 dB	>= 14.4 dB	6.7 dB