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USB 3.0 CABLE

1. USB 3.0 AM(9P) – AM(9P) Cable

USB 3.0 promises the following:

- A. Higher transfer rates (up to 4.8 Gbps)
- B. Increased maximum bus power and increased device current draw to better accommodate power-hungry devices
- C. New power management features
- D. Full-duplex data transfers and support for new transfer types
- E. New connectors and cables for higher speed data transfer...although they are backwards compatible with USB 2.0 devices and computers (more on this later)

UL20276 (1P*28#+D+AL+Mylar)*2C+1P*28#+2C*28#+ AEB (65%)

OD: 5.2mm

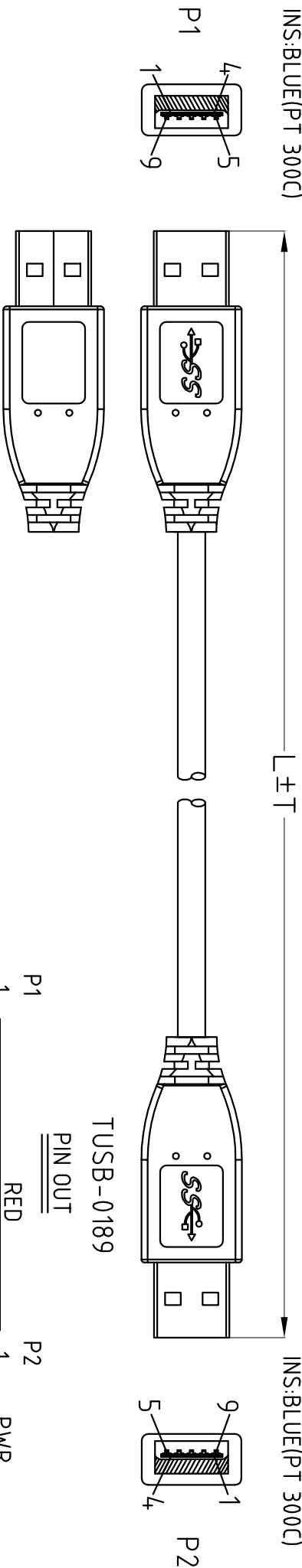


ROHS-COMPLIANT

LTR	REV.	DESCRIPTION	DATE

USB 3.0 A/M 9PIN
INS:BLUE(PT 300C)

USB 3.0 A/M 9PIN
INS:BLUE(PT 300C)



TUSB-0189

TUSB-0189

NOTE:

1.CABLE: UL-2725 [#28(7/0.127 T.C)×1P INS:Foam-PE+D.W(7/0.127 T.C)
+AL/MY+Hot-melt-Mylar]×2C+#28(7/0.127 T.C)×1P INS:Polyolefin
+#28(7/0.127 T.C)×2C INS:Polyolefin+AL/MY+B.D(85%)

PVC JACKET; OD:5.2±0.15mm COLOR:BLACK(NK-K01) REV 3.0.

2.CONNECTOR:

P1 & P2: USB 3.0 A/M 9PIN CONTACT:30u",SHELL:NI-PLATED.

3.HOOD:MOLDED TYPE,PVC 45P, COLOR:BLACK(NK-K01).

4.ELECTRICAL TEST:

- (1)100% OPEN SHORT & MIS WIRE TEST.
 - (2)CONTACT RESISTANCE 3 ohm Max .
 - (3)INSULATION RESISTANCE 10M ohm Min .
 - (4)HI-POT DC300V
- 5.PACKING:EACH PC / POLY BAG.

P1	P2	DESCRIPTION
1	1	PWR
2	2	UTP_D-
3	3	UTP_D+
4	4	GND_PWRrt
5	8	SDP1-
6	9	SDP1+
7	7	SDP1_Drain
8	5	SDP2_Drain
9	6	SDP2+
SHELL	SHELL	B.D

Tolerance Inch M/M	
X	.015 .30
.XX	.010 .10
XXX	.005 .05
Draw	
FANNIE	06/12/09'
Check	
Engr	

Title	
USB 3.0 A/M - A/M CABLE	
Customer P/N	
App'd	Customer :
Scale	NONE
Units	M/M
Third Angle Projection	
Dwg No.	170-S103
REF:	I
Sheet	1/1

2. USB 3.0 AM(9P) – BM(9P) Cable

USB 3.0 promises the following:

- A. Higher transfer rates (up to 4.8 Gbps)
- B. Increased maximum bus power and increased device current draw to better accommodate power-hungry devices
- C. New power management features
- D. Full-duplex data transfers and support for new transfer types
- E. New connectors and cables for higher speed data transfer...although they are backwards compatible with USB 2.0 devices and computers (more on this later)

UL20276 (1P*28#+D+AL+Mylar)*2C+1P*28#+2C*28#+AEB(65%)

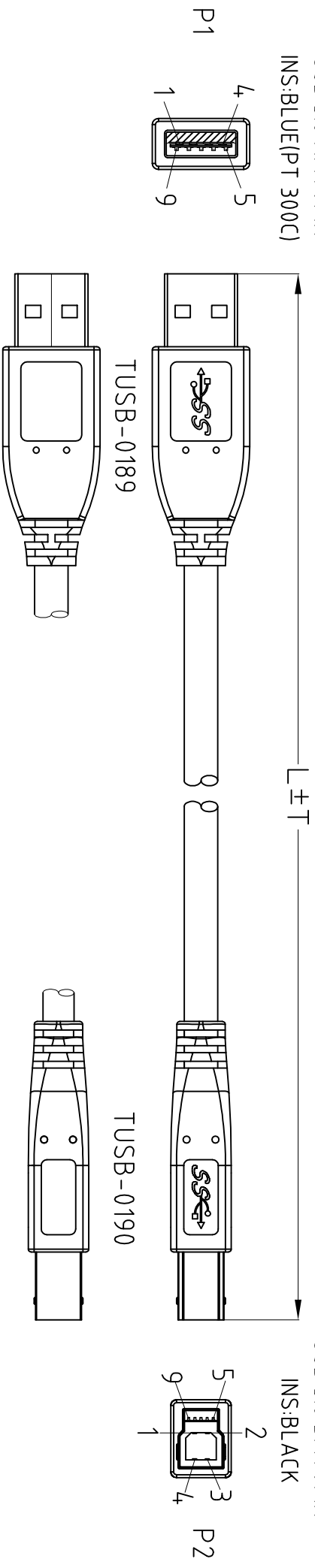
OD: 5.2mm



ROHS-COMPLIANT

USB 3.0 A/M 9PIN
INS:BLUE(PT 300C)

USB 3.0 B/M 9PIN
INS:BLACK



NOTE:

- 1.CABLE: UL-2725 [#28(7/0.127 T.C)×1P INS:Foam-PE+D.W(7/0.127 T.C) +AL/MY+Hot-melt-Mylar]×2C+#28(7/0.127 T.C)×1P INS:Polyolefin +#28(7/0.127 T.C)×2C INS:Polyolefin+AL/MY+B.D(85%) PVC JACKET; OD:5.2±0.15mm COLOR:BLACK(INK-K01) REV 3.0.
- 2.CONNECTOR:
 - P1: USB 3.0 A TYPE MALE 9PIN CONTACT:30U",SHELL:NI-PLATED.
 - P2 :USB 3.0 B TYPE MALE 9PIN CONTACT:30U",SHELL:NI-PLATED.

4.ELECTRICAL TEST:

- (1)100% OPEN SHORT & MIS WIRE TEST.
 - (2)CONTACT RESISTANCE 3 ohm Max .
 - (3)INSULATION RESISTANCE 10M ohm Min .
 - (4)HI-POT DC300V
- 5.PACKING:EACH PC / POLY BAG.

PIN	PIN OUT	P2
1	RED	1 PWR
2	WHITE	2 UTP_D-
3	GREEN	3 UTP_D+
4	BLACK	4 GND_PWRrt
5	BLUE	5 SDP1-
6	YELLOW	6 SDP1+
7	D.W	7 SDP1_Drain & SDP2_Drain
8	PURPLE	8 SDP2-
9	ORANGE	9 SDP2+
SHELL		SHELL

Tolerance Inch M/M		Title	
X	.015 .30	USB 3.0 A/M - B/M CABLE	
.XX	.010 .10	Customer P/N	
XXX	.005 .05	App'd	
Draw		Scale NONE	
FANNIE 06/12/09'		Units	M/M
Check		M/M	Third Angle Projection
Engr		REF: I	Sheet. 1/1



USB3.0 測試報告致 CTI

測試結果: 合格

待測物批號:MGDE003

待測物捆號:

待測物長度:2 M

測試對數:2 Pairs

操作員:李丰玲

測試日期:2009/07/28 09:04

溫度: 25 °C

溼度: 55 %

規格檔名稱: USB30.spc

確認:_____

審核:_____

備註: 黃藍 紫橙

量測環境資訊：

網路分析儀設定：

設備名稱：		輸出功率：	0 dBm
掃頻模式：	Linear	掃頻點數：	1601
中周頻率：	1000 Hz	平均次數：	No Average

參數名稱： NA_Attenuation

起始頻率：	100 MHz	結束頻率：	7500 MHz	平滑率：	No Smooth
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時域反射儀設定：

設備名稱：	86100C		
圖形點數：	1024	平均次數：	4
解析方式：	Flatness	解析頻寬：	HighBand

量測參數摘要：

項次	參數名稱	取值方式	測試結果
1	NA_Attenuation	Smooth 0 %	Pass
2	TDR_DifferentialIMPZ	From 1 ns To 2.5 ns, Filter 200 ps	Pass
3	TDT_DifferentialDelay	Filter 200 ps	Pass
4	TDT_IntraPairSkew	Filter 50 ps	Pass
5	TDT_InterPairSkew	Filter 50 ps	Pass

總結果：

Pass

慶泰電線電纜有限公司



客戶名稱: CTI
待測物名稱: USB3.0
備註: 黃藍 紫橙

規格檔名稱: USB30.spc
測試對數: 2 Pairs

總結果: Pass
待測物長度: 2 M

參數名稱:	NA Attenuation					單位: dB/Cable	測試結果:	Pass
起始頻率	100	1250	2500	7500	100			Pair
結束頻率	100	1250	2500	7500	7500			Status
規格上限	--	--	--	--	--			↓
第 1 對	-0.92	-3.56	-5.67	-13.30	-1.32			Pass
第 2 對	-0.91	-3.57	-5.54	-14.22	-1.30			Pass
規格下限	-1.5	-5	-7.5	-25	Fn:93			
最差對/組	Pair 1	Pair 2	Pair 1	Pair 2	Pair 1			
對應頻率	100.00	1250.00	2500.00	7500.00	201.69			

參數名稱:	TDR DifferentialIMPZ				單位: Ohm	測試結果:	Pass
對數名稱	規格上限	規格下限	最大阻抗	最小阻抗	差異值	平均值	狀態
第 1 對	97	83	93.66	92.36	1.30	93.01	Pass
第 2 對	97	83	94.16	93	1.16	93.58	Pass

參數名稱:	TDT DifferentialDelay			單位: ns/M	測試結果:	Pass
對數名稱	規格上限	規格下限		延遲值		狀態
第 1 對	5.2	--		4.7095		Pass
第 2 對	5.2	--		4.7095		Pass

參數名稱:	TDT IntraPairSkew			單位: ps/M	測試結果:	Pass
對數名稱	規格上限	規格下限		延遲差值		狀態
第 1 對	45	--		5.86		Pass
第 2 對	45	--		0.977		Pass

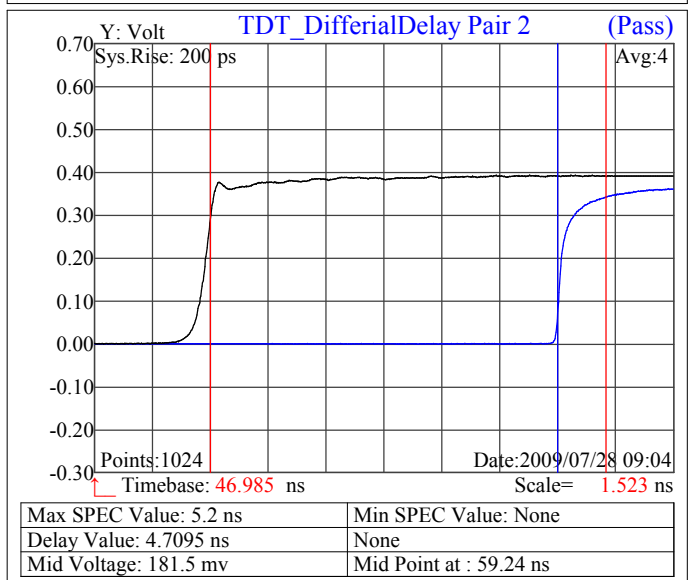
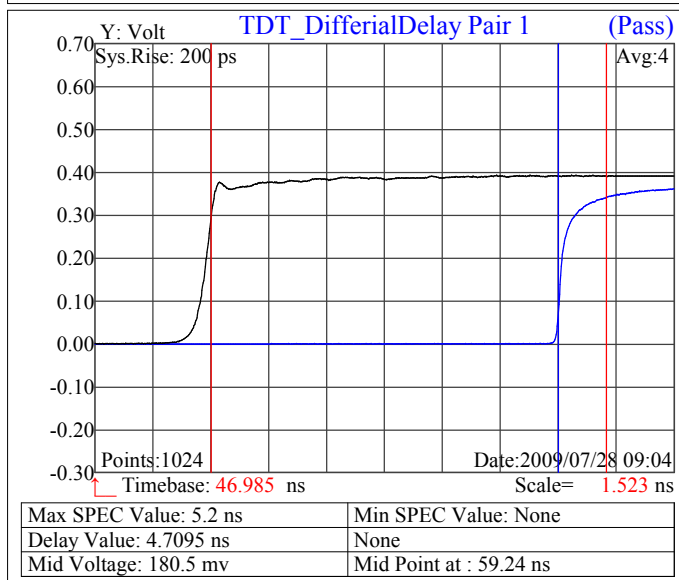
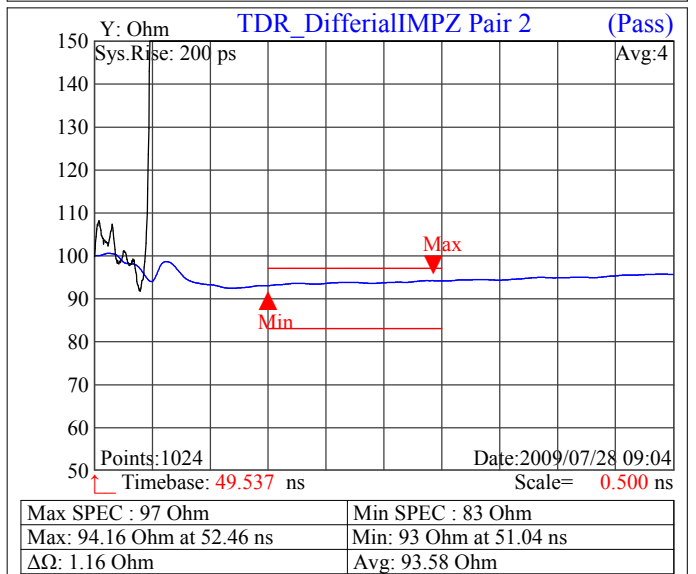
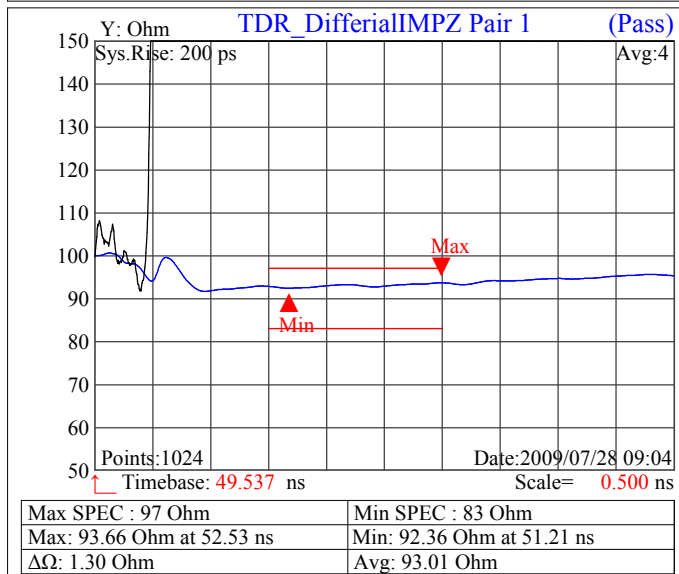
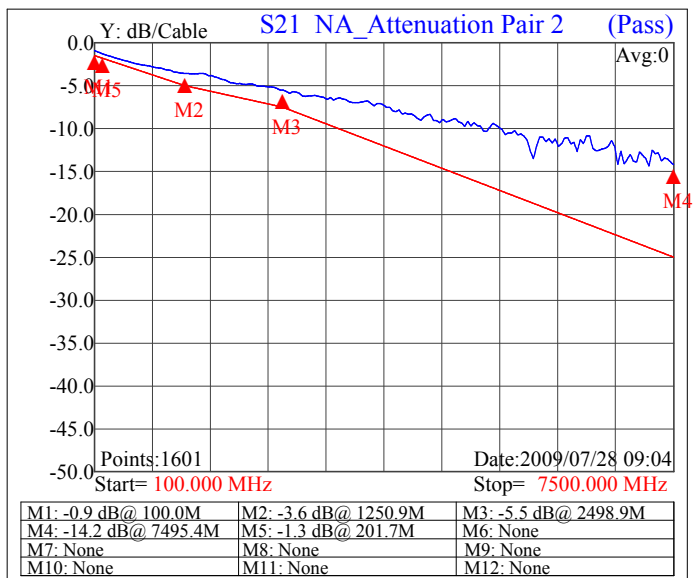
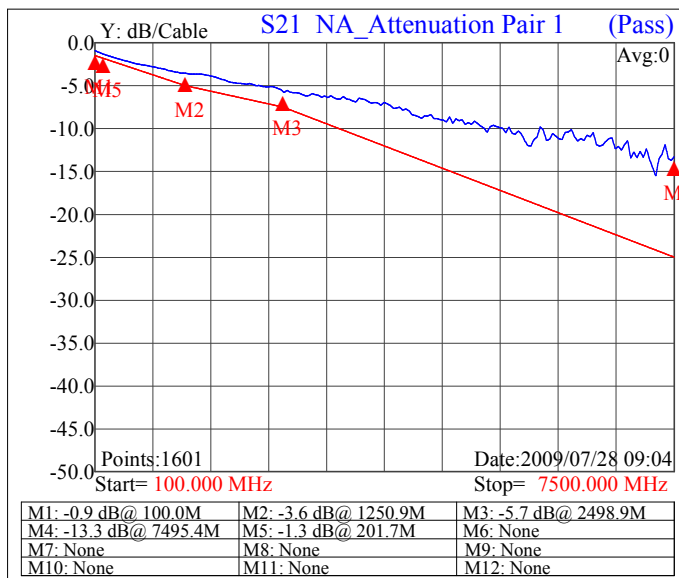
參數名稱:	TDT InterPairSkew			單位: ps	測試結果:	Pass
對數名稱	規格上限	規格下限		延遲差值		狀態
ALL	4000	--		0		Pass



客戶名稱: CTI
待測物名稱: USB3.0
備註: 黃藍 紫橙

規格檔名稱: USB30.spc
測試對數: 2 Pairs

總結果: Pass
待測物長度: 2 M





客戶名稱: CTI
 待測物名稱: USB3.0
 備註: 黃藍 紫橙

規格檔名稱: USB30.spc
 測試對數: 2 Pairs

總結果: Pass
 待測物長度: 2 M

