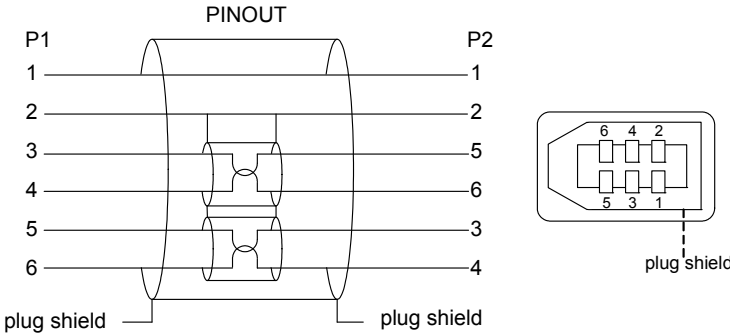


Application note

Summary of IEEE 1394 cable wiring (according to IEEE Std 1394TM-1995 and 1394bTM-2002)



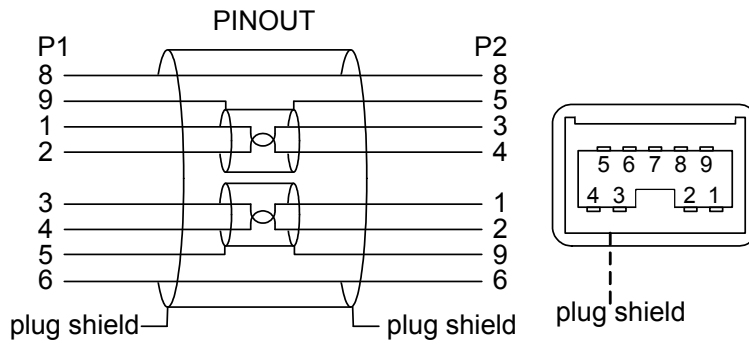
IEEE 1394a



Connectors are viewed as looking at the front plug face.

Plug 1	Signal name at plug 1 end	Plug 2
1	V_p (Power Voltage)	1
2	V_g (Power Ground)	2
3	TPB* (Twisted Pair B minus)	5
4	TPB (Twisted Pair B plus)	6
5	TPA* (Twisted Pair A minus)	3
6	TPA (Twisted Pair A plus)	4
Plug shield	Cable outer shield	Plug shield

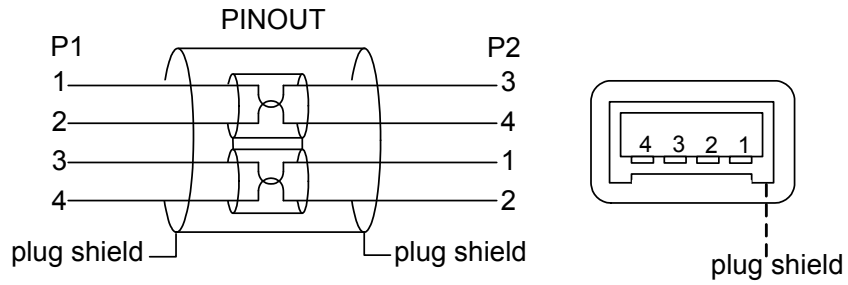
IEEE 1394b



Connectors are viewed as looking at the front plug face.

Plug 1	Signal name at plug 1 end	Plug 2
1	TPB* (Twisted Pair B minus)	3
2	TPB (Twisted Pair B plus)	4
3	TPA* (Twisted Pair A minus)	1
4	TPA (Twisted Pair A plus)	2
5	TPA (R) (Twisted Pair A ground reference)	9
6	V _G (Power Ground)	6
7	No connection	7
8	V _P (Power Voltage)	8
9	TPB (R) (Twisted Pair B ground reference)	5
Plug shield	Cable outer shield	Plug shield

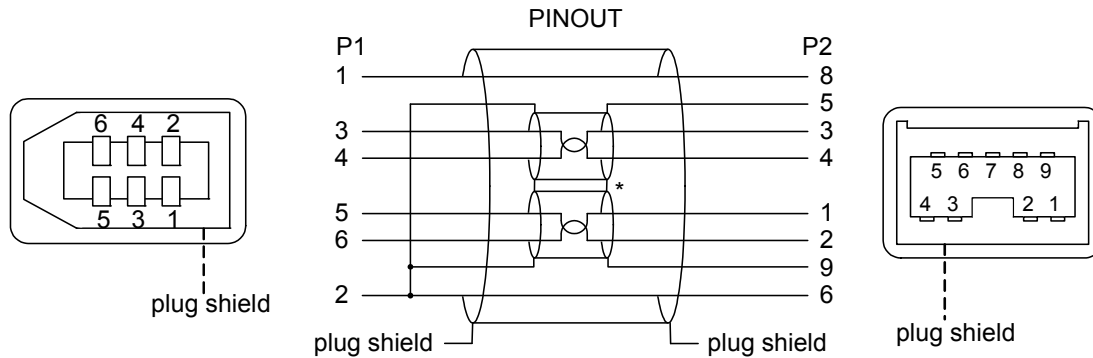
IEEE 1394 i.LINK™



Connectors are viewed as looking at the front plug face.

Plug 1	Signal name at plug 1 end	Plug 2
1	TPB* (Twisted Pair B minus)	3
2	TPB (Twisted Pair B plus)	4
3	TPA* (Twisted Pair A minus)	1
4	TPA (Twisted Pair A plus)	2
Plug shield	Cable outer shield	Plug shield

IEEE 1394 legacy (9-pin to 6-pin)

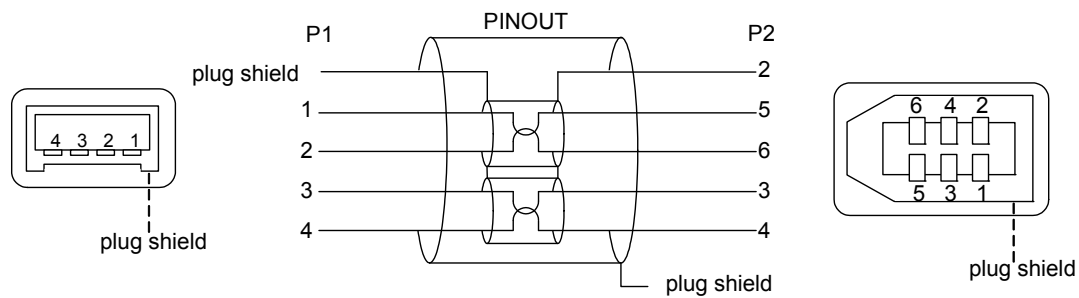


*Note: Twisted pair shields are only connected by using cable material according to IEEE Std 1394TM-1995. If cable material according to IEEE Std 1394bTM-2002 is used, twisted pair shields are **not** connected inside the cable.

Connectors are viewed as looking at the front plug face.

Plug 1	Signal name at plug 2 end	Plug 2
5	TPB* (Twisted Pair B minus)	1
6	TPB (Twisted Pair B plus)	2
3	TPA* (Twisted Pair A minus)	3
4	TPA (Twisted Pair A plus)	4
2	TPA (R) (Twisted Pair A ground reference)	5
2	V _G (Power Ground)	6
	No connection	7
1	V _P (Power Voltage)	8
2	TPB (R) (Twisted Pair B ground reference)	9
Plug shield	Cable outer shield	Plug shield

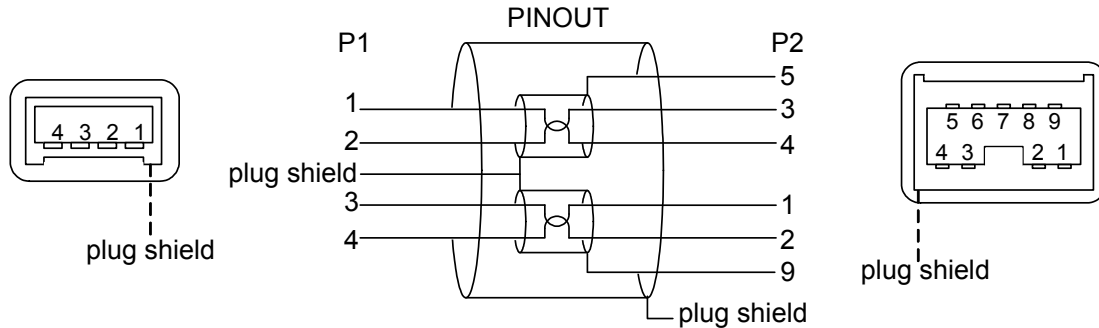
IEEE 1394 (6-pin to 4-pin)



Connectors are viewed as looking at the front plug face.

Plug 1	Signal name at plug 2 end	Plug 2
	V_p (Power Voltage)	1
Plug shield	V_g (Power Ground)	2
3	TPB* (Twisted Pair B minus)	3
4	TPB (Twisted Pair B plus)	4
1	TPA* (Twisted Pair A minus)	5
2	TPA (Twisted Pair A plus)	6
	Cable outer shield	Plug shield

IEEE 1394 legacy (9-pin to 4-pin)



Connectors are viewed as looking at the front plug face.

Plug 1	Signal name at plug 2 end	Plug 2
3	TPB* (Twisted Pair B minus)	1
4	TPB (Twisted Pair B plus)	2
1	TPA* (Twisted Pair A minus)	3
2	TPA (Twisted Pair A plus)	4
Plug shield	TPA (R) (Twisted Pair A ground reference)	5
	V _G (Power Ground)	6
	No connection	7
	V _P (Power Voltage)	8
Plug shield	TPB (R) (Twisted Pair B ground reference)	9
	Cable outer shield	Plug shield

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We invite comments or constructive criticism on this application note.

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