

# Hi speed USB PCB layout

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My company is trying to add hispeed USB host to an existing product (its not a PC) and need Hi-Speed level data rates, eg 20MB/s.

There are a number of mechanical issues which mean a flying lead socket would be ideal, plugging into the PCB just like many PC motherboard USB connections and screws holding it to the front panel.

Our Hardware Engineer is very uncomfortable with this and is insisting on a main PCB mounted SMT socket, needing a precision tunnel dug through 3 chassis parts and a PCB with the additional cost of the extra FR4 4 layer. He won't even entertain a through hole socket. His arguement is that PC companies have lots of expensive equipment that we don't have to continually monitor and qualify such cables. We will rent this equipment for the design but not during production. The flying lead cables will be bought in.

I need a second opinion before I go digging through the parts to make this happen.

Is a flying lead really unfeasible in this case?

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TonyS

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