

TNSP 3-Port USB Hub (USBHUB3)

FAB	600-1129-01
FAB DWG	601-1129-01
GERBER	602-1129-01
ASSY	700-1129-01
ASSY DWG	701-1129-01
SCH	705-1129-01
ENG NAME	TNSP USBHUB3
CODE NAME	TNSP USBHUB3

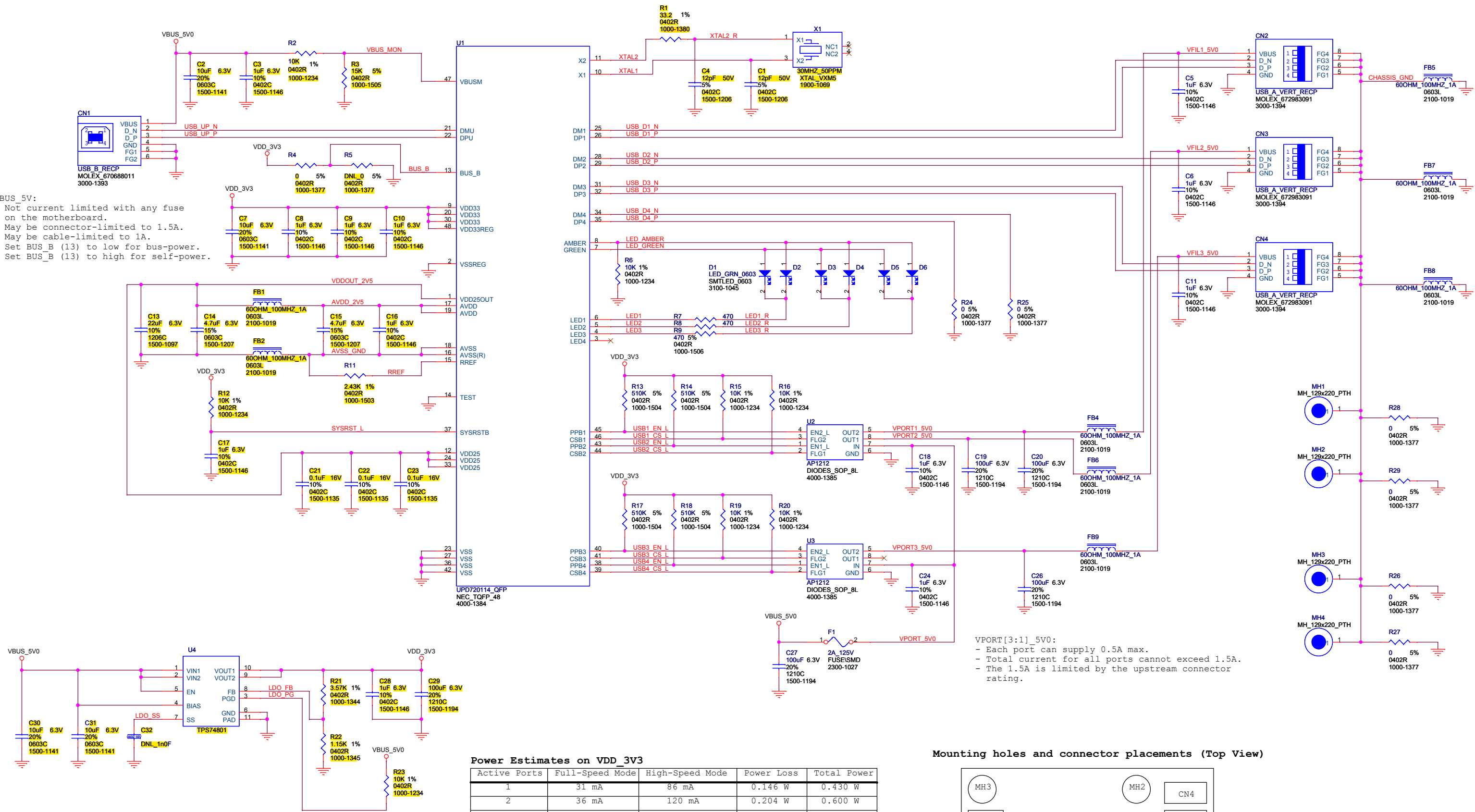
PCB
PCB1
600-1129-01
FAB,TNSP USBHUB3

SCHEMATIC
SCH1
705-1129-01
SCHEM,TNSP USBHUB3

DRAWING
DWG1
701-1129-01
DWG,ASSY,TNSP USBHUB3

SN_LABEL
SNLBL1
200-1093-01
SERIAL NUMBER LABEL

VBUS 5V:
- NoT current limited with any fuse on the motherboard.
- May be connector-limited to 1.5A.
- May be cable-limited to 1A.
- Set BUS_B (13) to low for bus-power.
- Set BUS_B (13) to high for self-power.



Power Estimates on VDD 3V3

Active Ports	Full-Speed Mode	High-Speed Mode	Power Loss	Total Power
1	31 mA	86 mA	0.146 W	0.430 W
2	36 mA	120 mA	0.204 W	0.600 W
3	38 mA	134 mA	0.224 W	0.667 W
4	41 mA	149 mA	0.253 W	0.745 W

Notes:
1. Power loss, P_loss, is computed as (5V-3.3V)xI_hs.
2. Total power is P_hs + P_loss.
3. I_hs = current consumption in high speed mode.
4. P_hs = power consumption in high speed mode = 3.3V x I_hs.

Mounting holes and connector placements (Top View)



Title 3-Port USB Hub		
Size Custom	Project TNSP USBHUB3 705-1129-01	Rev 1.0
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