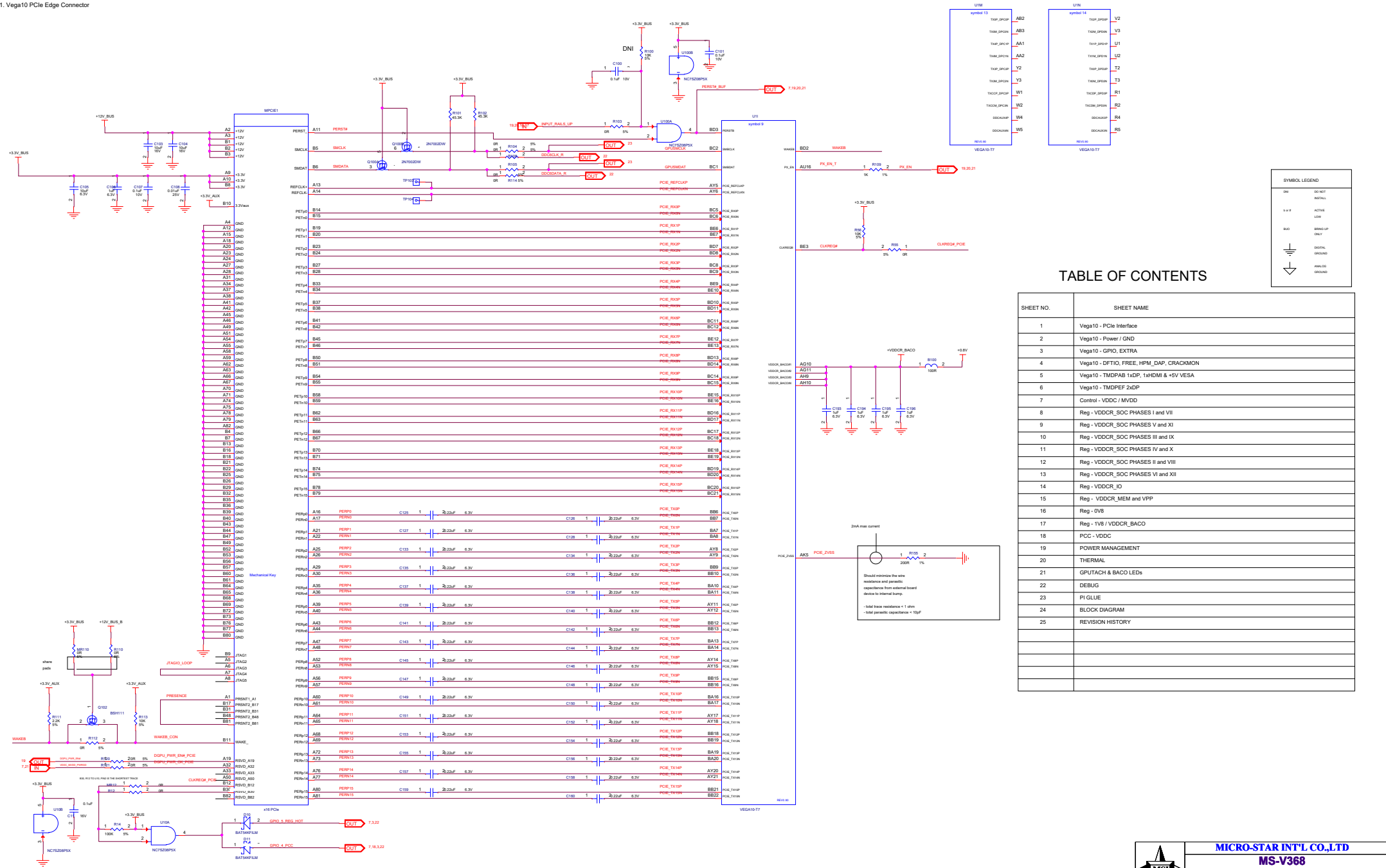
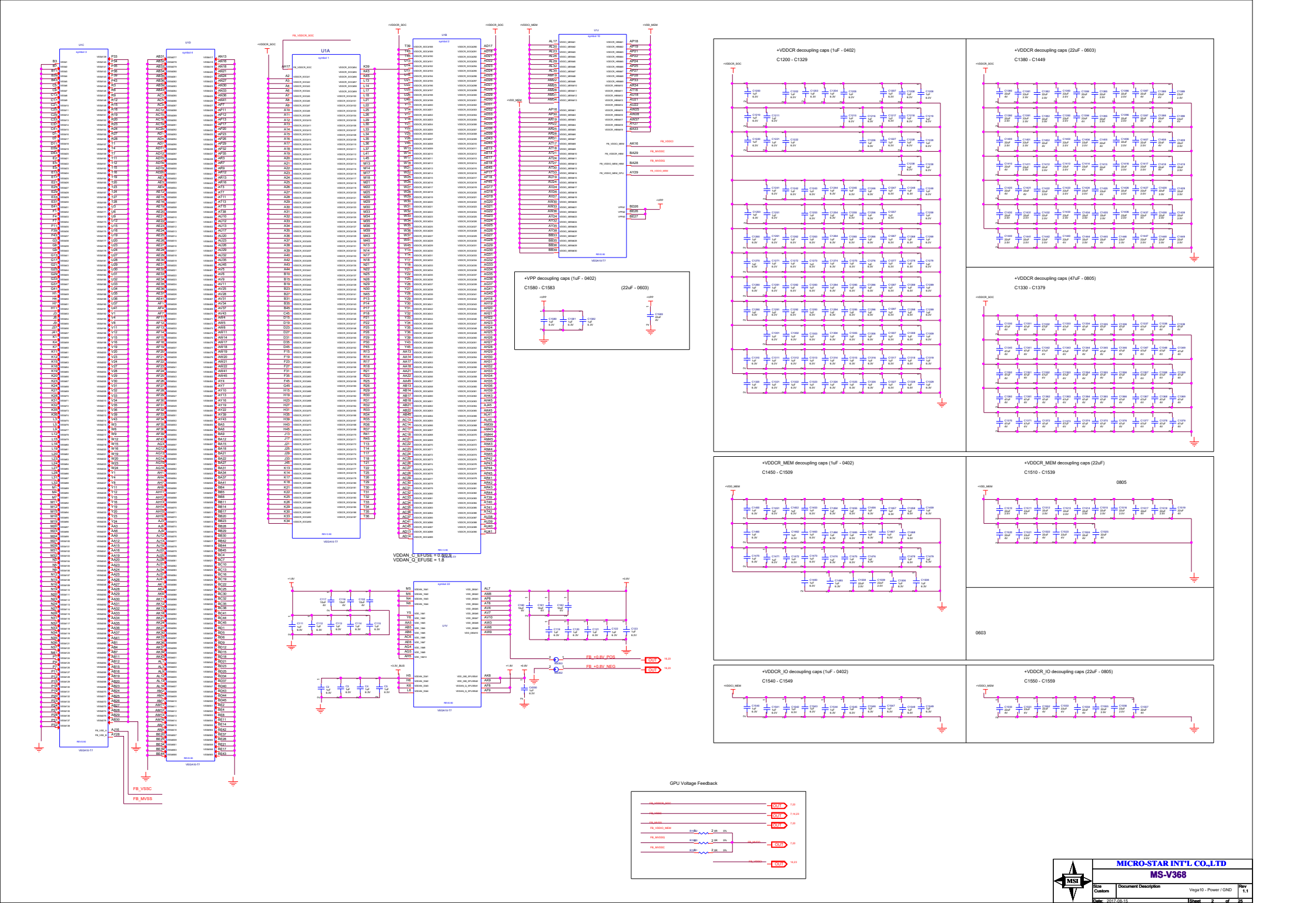
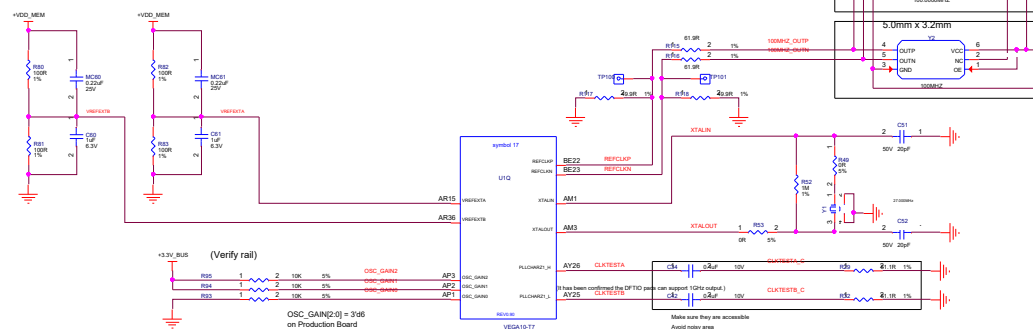


1. Vega10 PCIe Edge Connector







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//gpuE/doc/design/chip/padring/AI_dGPU/PinStrap_Plan.pptx
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DFTIO

FREE

USE			USE		
symbol 5			symbol 5		
A7	AV10.2	C18	D41	AV10.2	P41
L11	AV10.1	B16	J20	AV10.2	L39
E4	AV10.3	G39	E42	AV10.2	H32
L8	AV10.3	F42	U10	AV10.2	V38
M10	AV10.3	J19	F30	AV10.2	V29
E3	AV10.3	D17	J26	AV10.2	V40
M9	AV10.3	C19	H35	AV10.2	V38
L7	AV10.2	F18	E43	AV10.2	V37
N6	AV10.3	C20	F43	AV10.2	V44
C2	AV10.3	O18	B40	AV10.2	V44
N10	AV10.3	E32	B41	AV10.2	V43
M8	AV10.1	B17	B38	AV10.2	V45
E6	AV10.10	O20	C42	AV10.2	V39
O4	AV10.1	E18	O44	AV10.2	V40
K9	AV10.14	O21	F34	AV10.2	V44
P9	AV10.1	E19	H37	AV10.2	V40
E7	AV10.1	B20	E34	AV10.2	V42
C1	AV10.1	H26	B42	AV10.2	V42
O2	AV10.14	C23	B36	AV10.2	V43
K10	AV10.1	C32	B37	AV10.2	V44
H8	AV10.2	E22	G32	AV10.2	V43
C3	AV10.2	E20	J21	AV10.2	V43
C4	AV10.1	C26	E35	AV10.2	V43
C23	AV10.1	C23	F44	AV10.2	V44
L10	AV10.1	B21	E30	AV10.2	V43
F8	AV10.1	B22	C40	AV10.2	V43
J8	AV10.2	F22	H36	AV10.2	V43
O3	AV10.1	G36	E38	AV10.2	V43
O6	AV10.1	J28	F33	AV10.2	V43
B2	AV10.2	J22	E36	AV10.2	V43
H10	AV10.1	E23	C30	AV10.2	V43
B5	AV10.1	C45	C40	AV10.2	V43
O6	AV10.1	O24	G43	AV10.2	V43
E8	AV10.1	G38	H42	AV10.2	V43
E8	AV10.1	G38	H42	AV10.2	V43
J10	AV10.1	G27	G36	AV10.2	V43
O6	AV10.1	G38	E40	AV10.2	V43
J11	AV10.1	C31	F41	AV10.2	V43
F10	AV10.1	C31	F41	AV10.2	V43
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J32	AV10.1	G38	K44	AV10.2	V43
G10	AV10.1	F21	G35	AV10.2	V43
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B4	AV10.1	C37	M42	AV10.2	V43
G12	AV10.1	E34	L44	AV10.2	V43
F12	AV10.1	O29	H34	AV10.2	V43
D9	AV10.1	B36	K41	AV10.2	V43
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E14	AV10.1	E28	M42	AV10.2	V43
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G15	AV10.1	O33	M37	AV10.2	V43
E16	AV10.1	O32	L40	AV10.2	V43
C16	AV10.1	O37	T41	AV10.2	V43
B11	AV10.1	F39	U36	AV10.2	V43
C11	AV10.1	F39	U36	AV10.2	V43
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F16	AV10.1	F32	H33	AV10.2	V43
J18	AV10.1	O44	M40	AV10.2	V43
E14	AV10.1	B44	V36	AV10.2	V43
G16	AV10.1	R42	R42	AV10.2	V43
G24	AV10.1	O44	T44	AV10.2	V43
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F17	AV10.1	H29	N40	AV10.2	V43

REV 1.0

VEGA10-T7

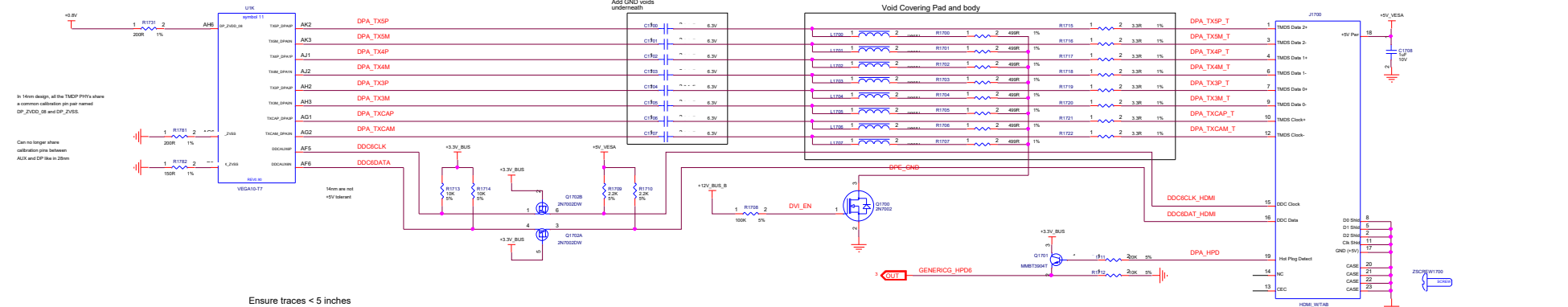
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F43	AV10.2	V44	F43	AV10.2	V44
B40	AV10.2	V44	B40	AV10.2	V44
B41	AV10.2	V43	B41	AV10.2	V43
B38	AV10.2	V45	B38	AV10.2	V45
C42	AV10.2	V39	C42	AV10.2	V39
O44	AV10.2	V40	O44	AV10.2	V40
F34	AV10.2	V44	F34	AV10.2	V44
H37	AV10.2	V40	H37	AV10.2	V40
E34	AV10.2	V42	E34	AV10.2	V42
B42	AV10.2	V42	B42	AV10.2	V42
B36	AV10.2	V43	B36	AV10.2	V43
B37	AV10.2	V44	B37	AV10.2	V44
G32	AV10.2	V43	G32	AV10.2	V43
J21	AV10.2	V43	J21	AV10.2	V43
E35	AV10.2	V43	E35	AV10.2	V43
F44	AV10.2	V44	F44	AV10.2	V44
E30	AV10.2	V43	E30	AV10.2	V43
C40	AV10.2	V43	C40	AV10.2	V43
H36	AV10.2	V43	H36	AV10.2	V43
E38	AV10.2	V43	E38	AV10.2	V43
F33	AV10.2	V43	F33	AV10.2	V43
E36	AV10.2	V43	E36	AV10.2	V43
C30	AV10.2	V43	C30	AV10.2	V43
C40	AV10.2	V43	C40	AV10.2	V43
G43	AV10.2	V43	G43	AV10.2	V43
H42	AV10.2	V43	H42	AV10.2	V43
G36	AV10.2	V43	G36	AV10.2	V43
E40	AV10.2	V43	E40	AV10.2	V43
F41	AV10.2	V43	F41	AV10.2	V43
C31	AV10.2	V43	C31	AV10.2	V43
F44	AV10.2	V43	F44	AV10.2	V43
G34	AV10.2	V43	G34	AV10.2	V43
J32	AV10.2	V43	J32	AV10.2	V43
K44	AV10.2	V43	K44	AV10.2	V43
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J36	AV10.2	V43	J36	AV10.2	V43
J35	AV10.2	V43	J35	AV10.2	V43
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V44	AV10.2	V43	V44	AV10.2	V43
R42	AV10.2	V43	R42	AV10.2	V43
T43	AV10.2	V43	T43	AV10.2	V43
H36	AV10.2	V43	H36	AV10.2	V43
R30	AV10.2	V43	R30	AV10.2	V43
L42	AV10.2	V43	L42	AV10.2	V43
H40	AV10.2	V43	H40	AV10.2	V43
V41	AV10.2	V43	V41	AV10.2	V43
V42	AV10.2	V43	V42	AV10.2	V43
M37	AV10.2	V43	M37	AV10.2	V43
L40	AV10.2	V43	L40	AV10.2	V43
T41	AV10.2	V43	T41	AV10.2	V43
U36	AV10.2	V43	U36	AV10.2	V43
L38	AV10.2	V43	L38	AV10.2	V43
H33	AV10.2	V43	H33	AV10.2	V43
M40	AV10.2	V43	M40	AV10.2	V43
V36	AV10.2	V43	V36	AV10.2	V43
R42	AV10.2	V43	R42	AV10.2	V43
T44	AV10.2	V43	T44	AV10.2	V43
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N40	AV10.2	V43	N40	AV10.2	V43

REV 1.0

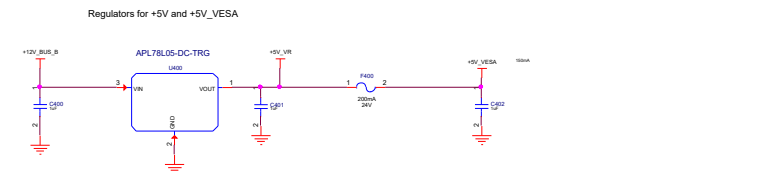
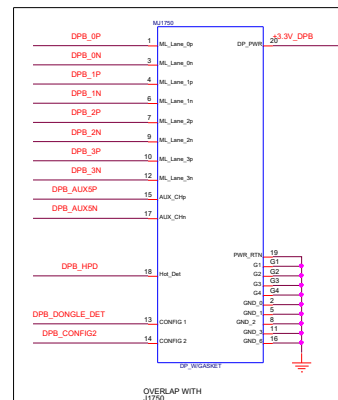
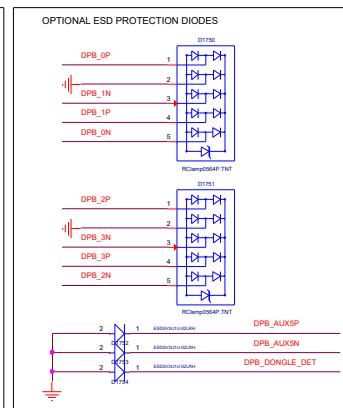
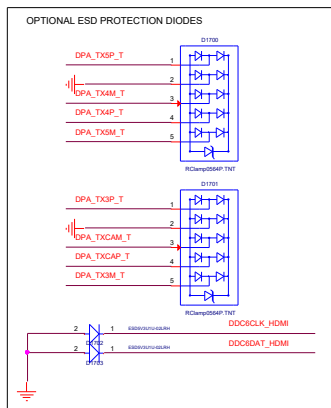
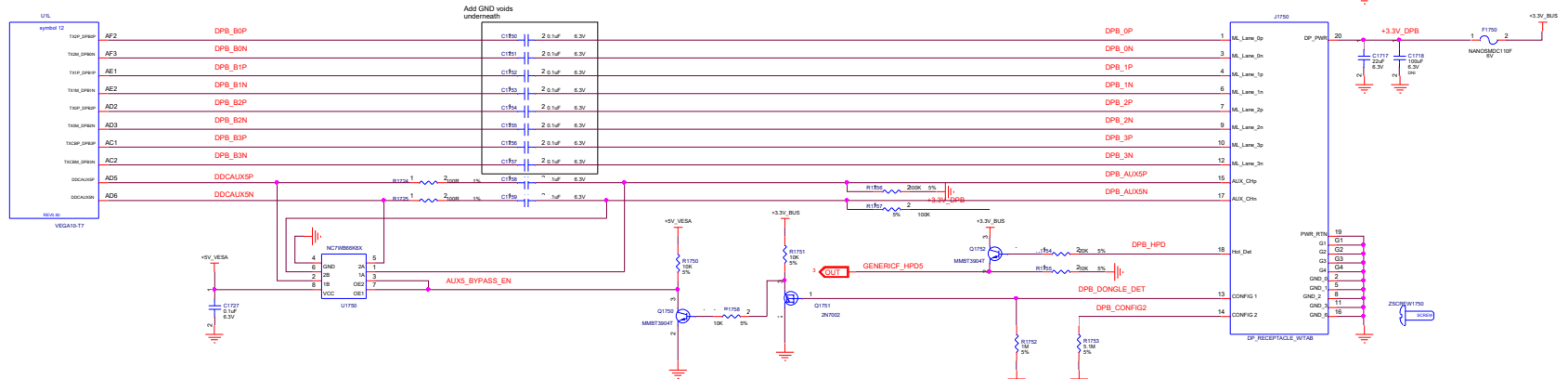
VEGA10-T7

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symbol 7			symbol 7		
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C12	AV10.1	AU29	C12	AV10.1	AU29
D12	AV10.1	AU30	D12	AV10.1	AU30
L4	AV10.1	AU31	L4	AV10.1	AU31
N7	AV10.1	AU32	N7	AV10.1	AU32
NT1	AV10.1	AU33	NT1	AV10.1	AU33
P8	AV10.1	AU34	P8	AV10.1	AU34
P10	AV10.1	AU35	P10	AV10.1	AU35
R10	AV10.1	AU36	R10	AV10.1	AU36
R11	AV10.1	AU37	R11	AV10.1	AU37
T10	AV10.1	AU38	T10	AV10.1	AU38
U4	AV10.1	AU39	U4	AV10.1	AU39
U6	AV10.1	AU40	U6	AV10.1	AU40
V38	AV10.1	AU41	V38	AV10.1	AU41
V29	AV10.1	AU42	V29	AV10.1	AU42
V40	AV10.1	AU43	V40	AV10.1	AU43
V38	AV10.1	AU44	V38	AV10.1	AU44
V37	AV10.1	AU45	V37	AV10.1	AU45
V44	AV10.1	AU46	V44	AV10.1	AU46
V43	AV10.1	AU47	V43	AV10.1	AU47
V45	AV10.1	AU48	V45	AV10.1	AU48
V39	AV10.1	AU49	V39	AV10.	

For differential routing on HDMI 2.0 connection, use dogbone shape antipads for the transitional vias of the same differential pair, and the distance from the via edge to the shape boundary should be

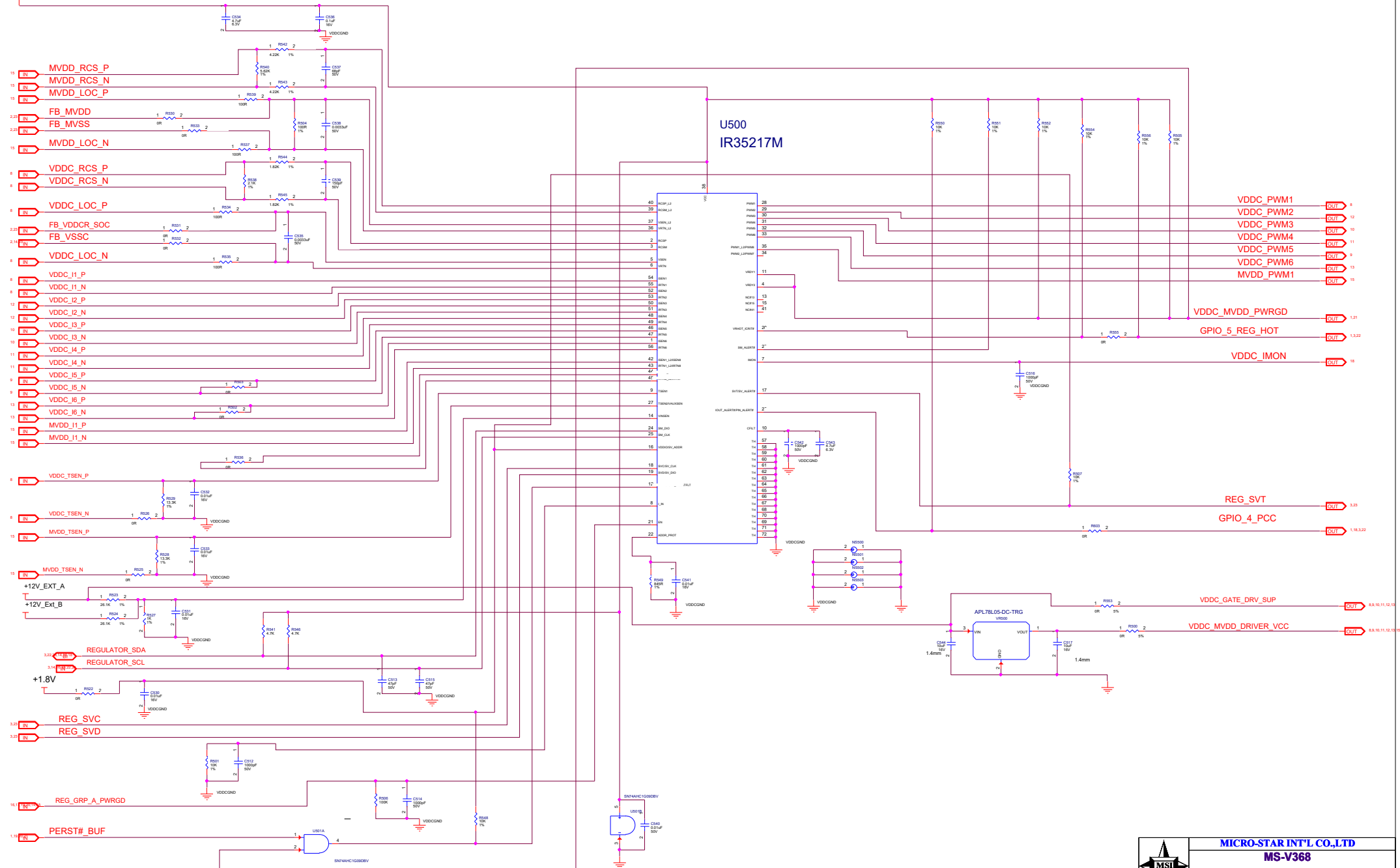


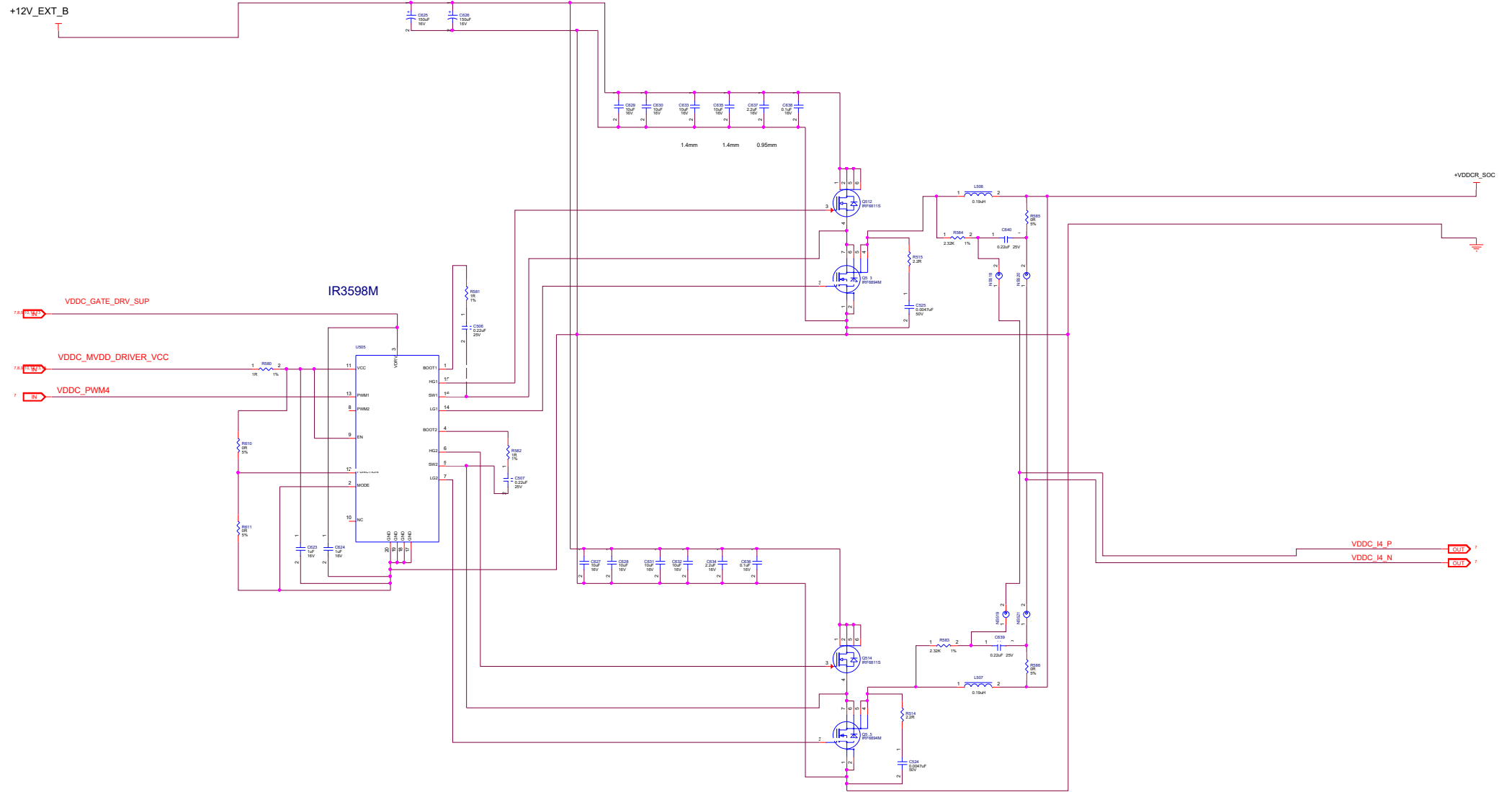
Ensure traces < 5 inches

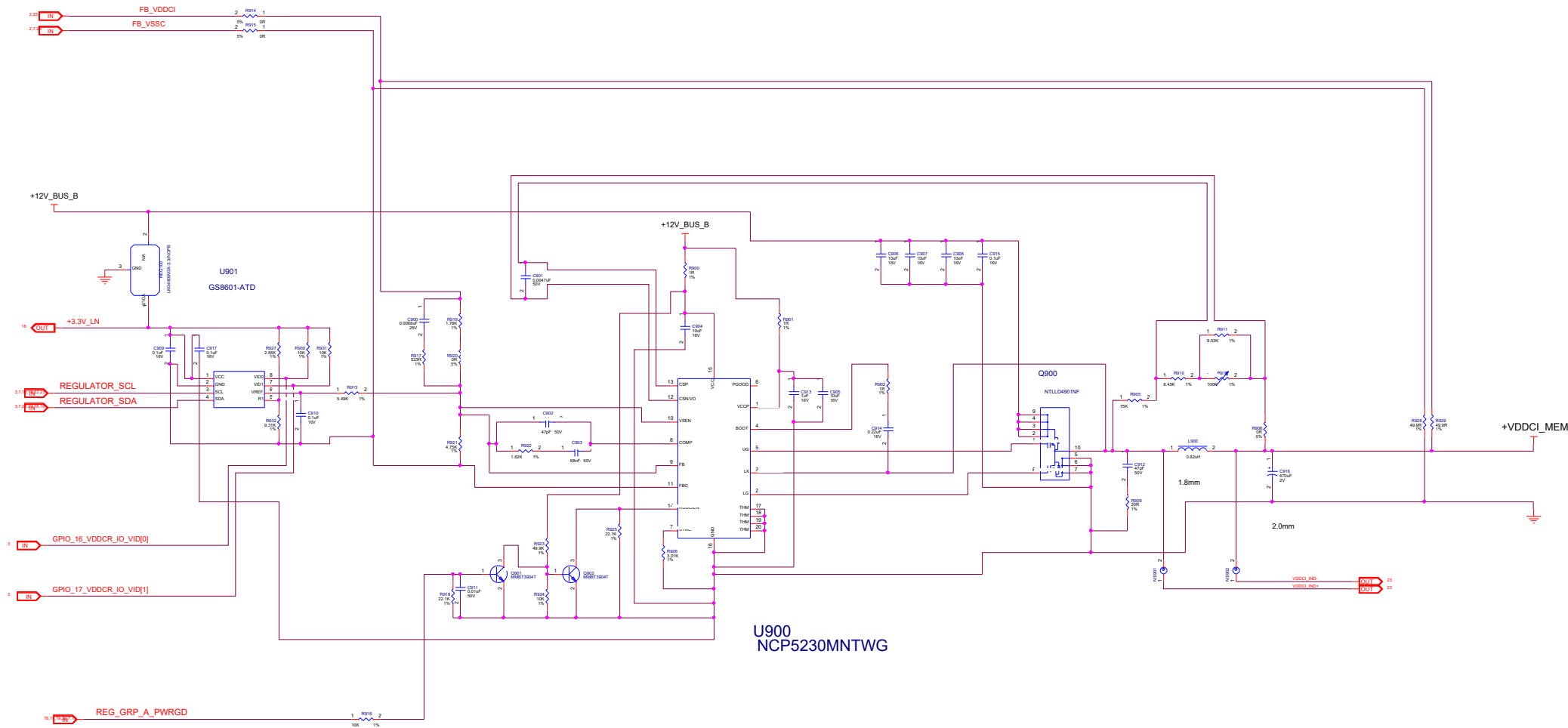


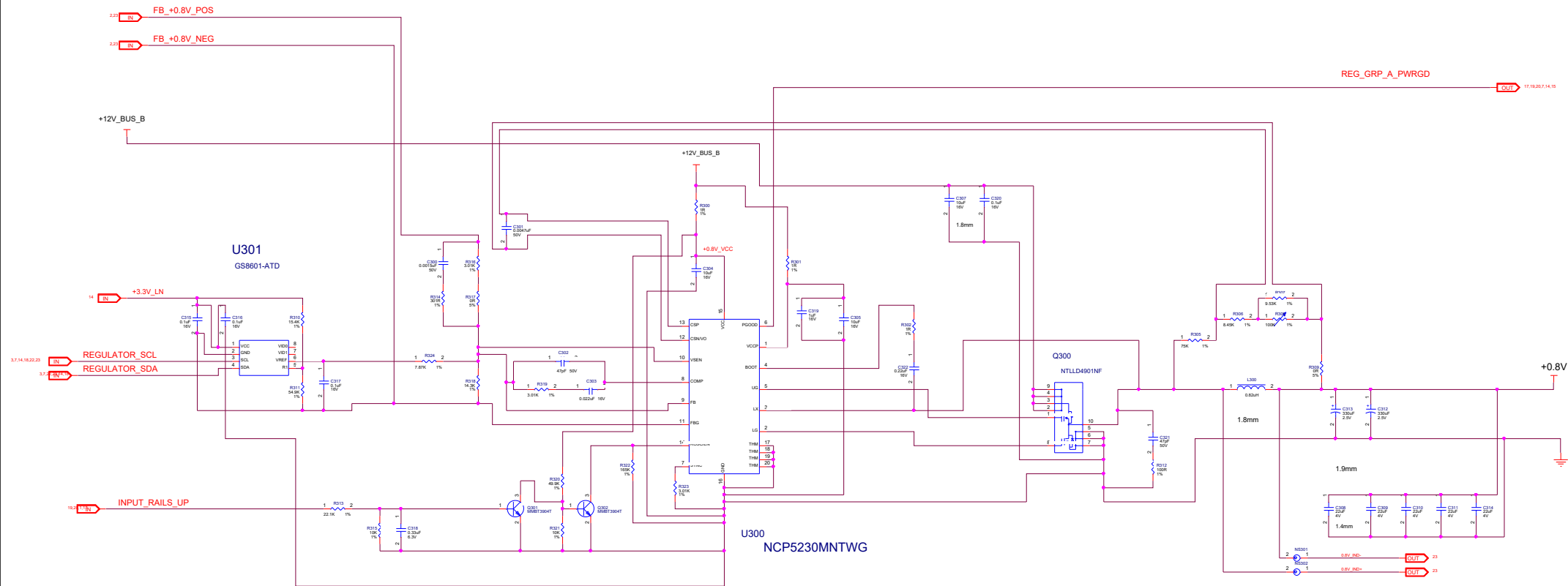
18ci203

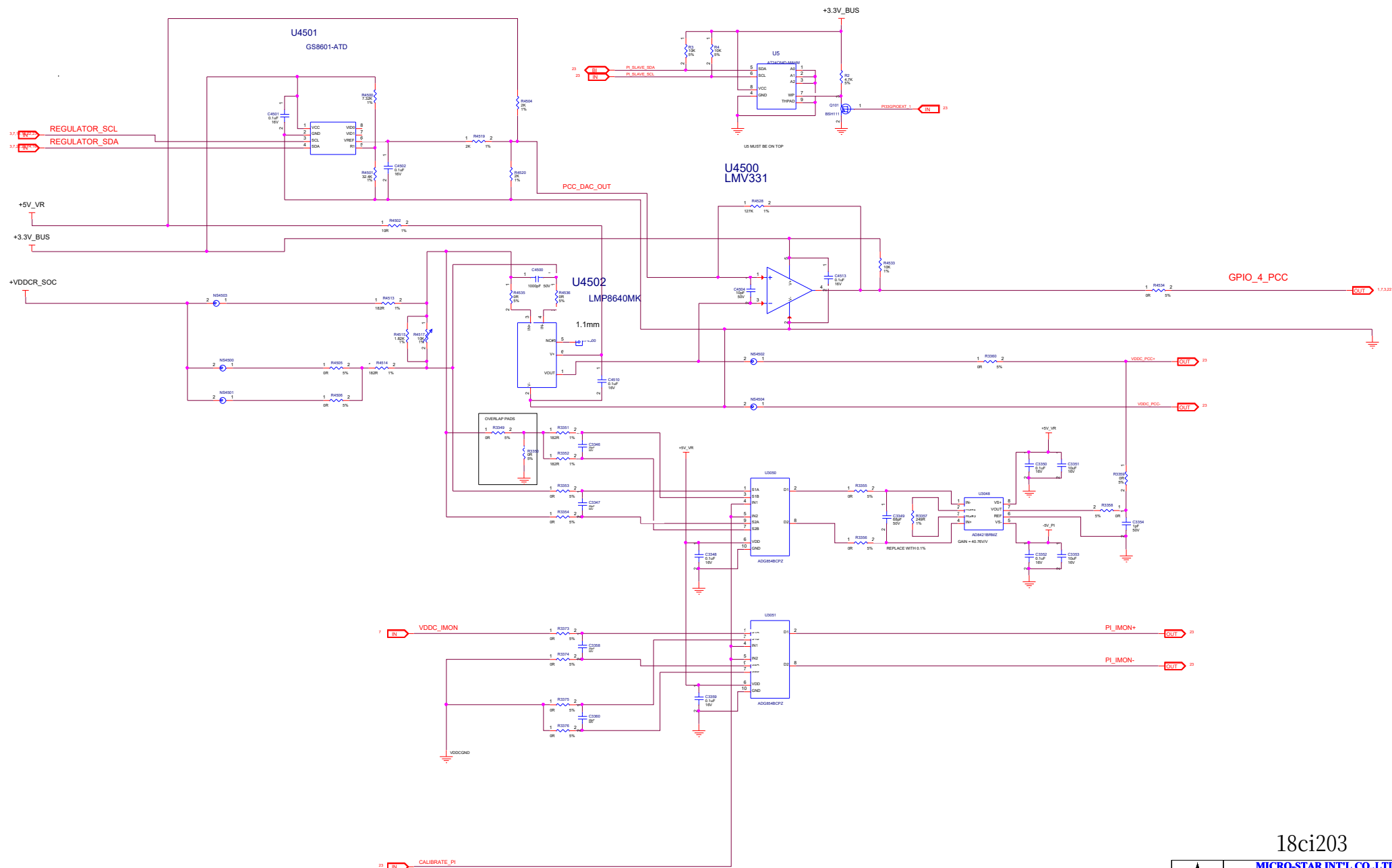
+3.3V_BUS





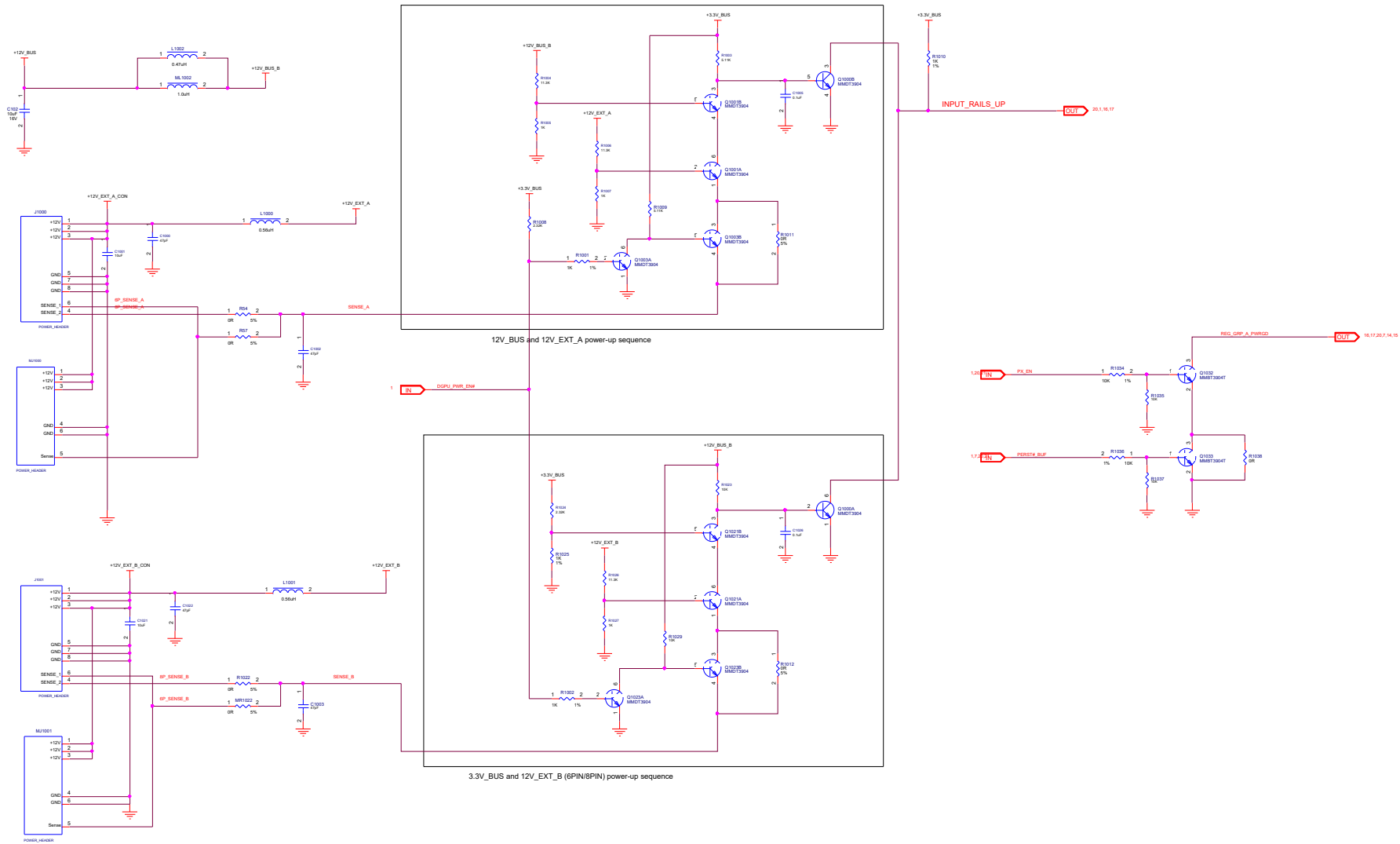


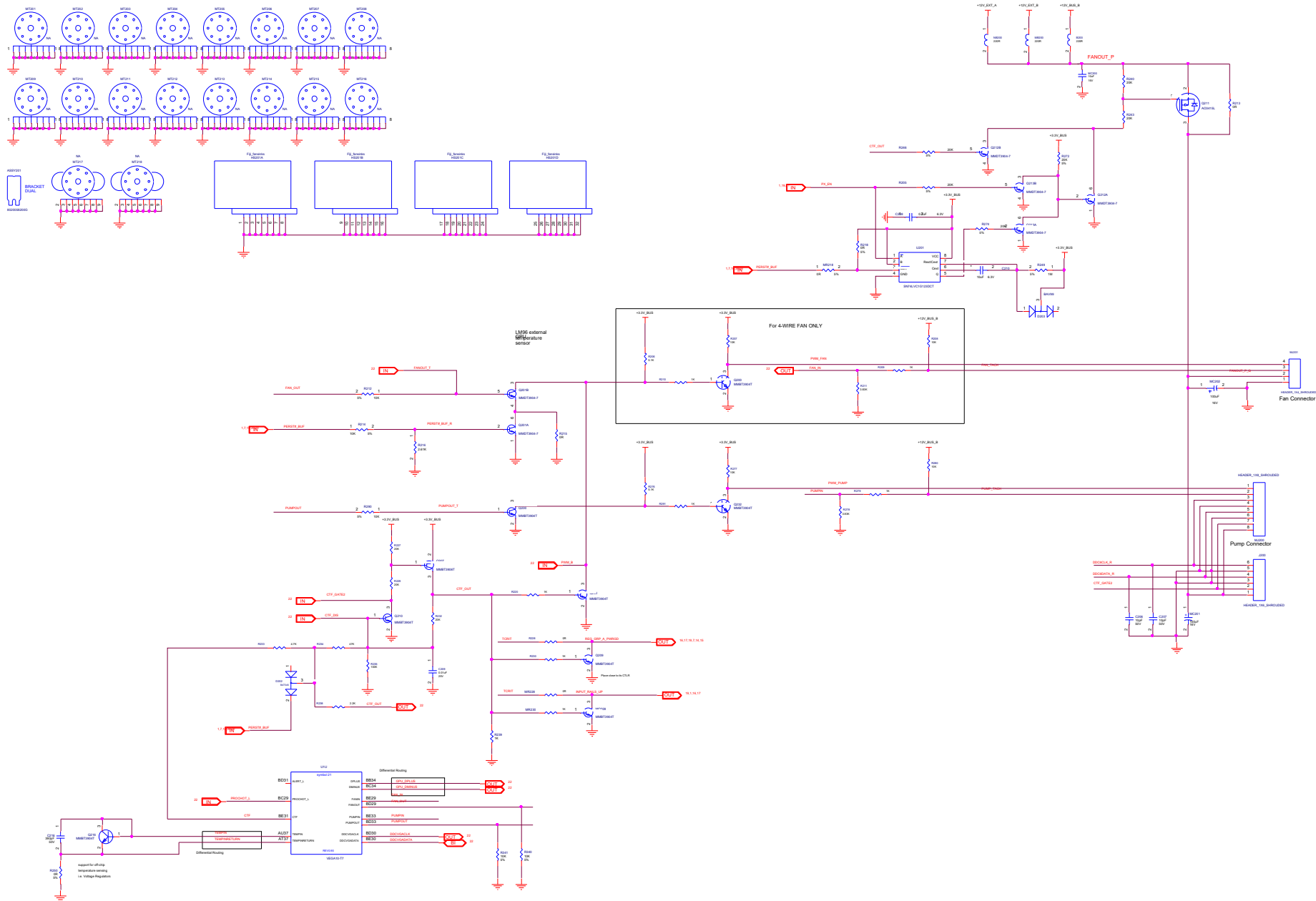


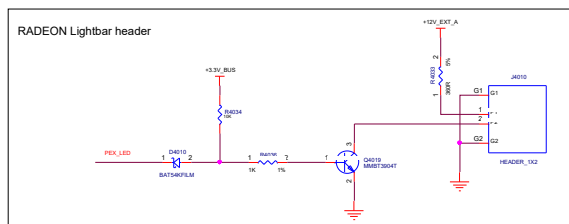
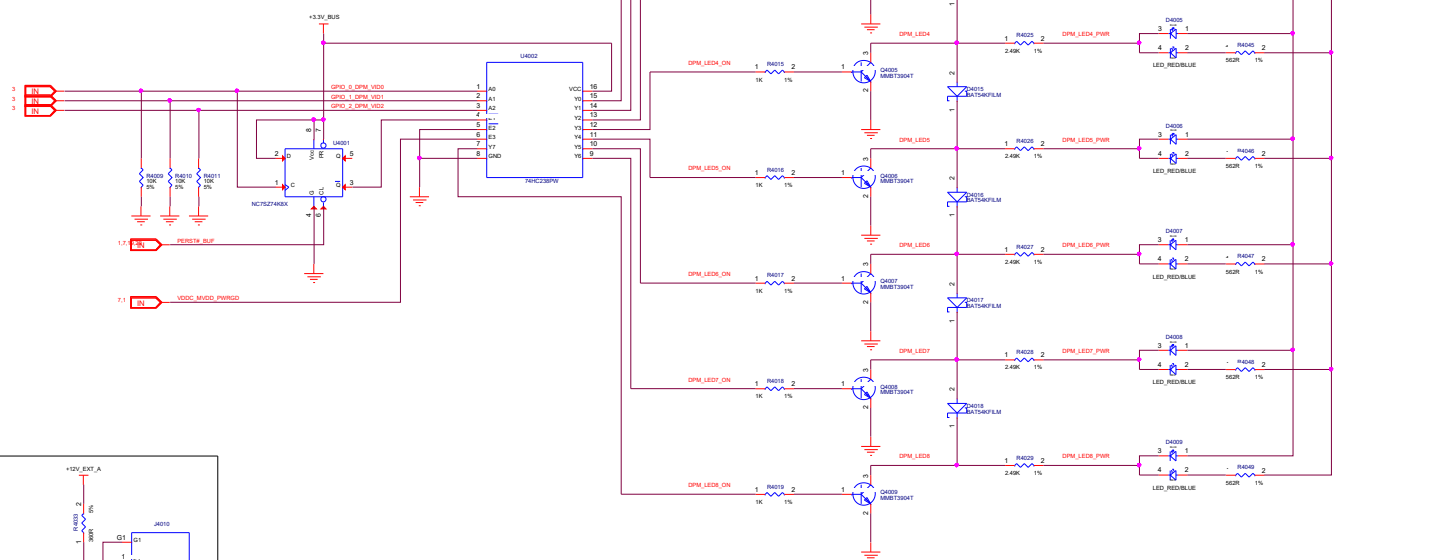
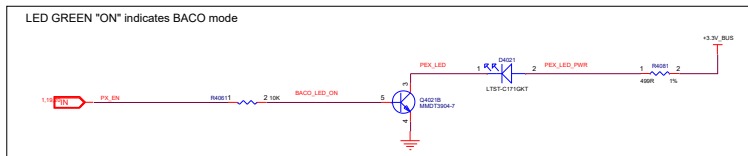


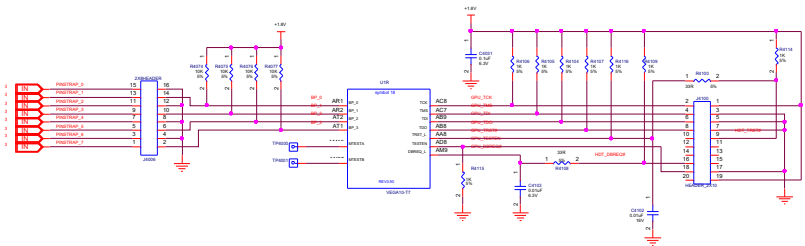
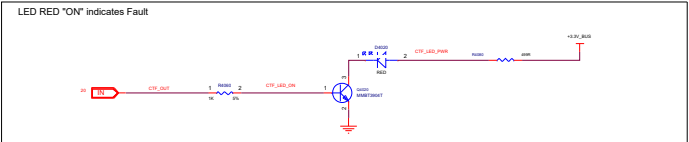
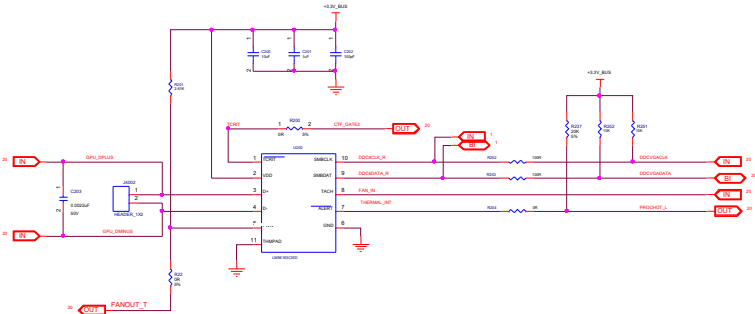
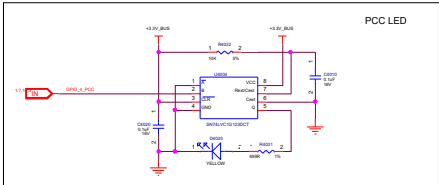
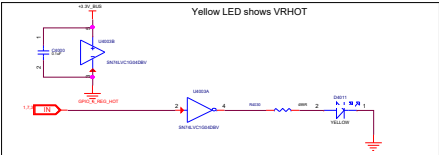
18ci203

MICRO-STAR INT'L CO.,LTD			
MS-V368			
Size	Document Description	PCC-VDDC	Rev
Custom			1.1
Date:	2017-08-16	Sheet	18 of 26



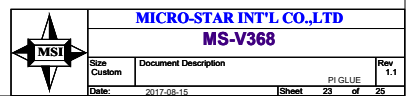
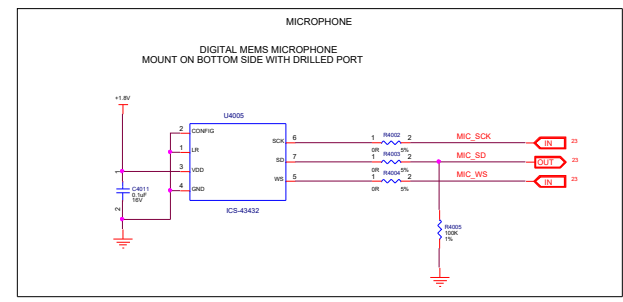
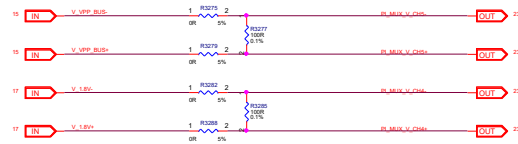
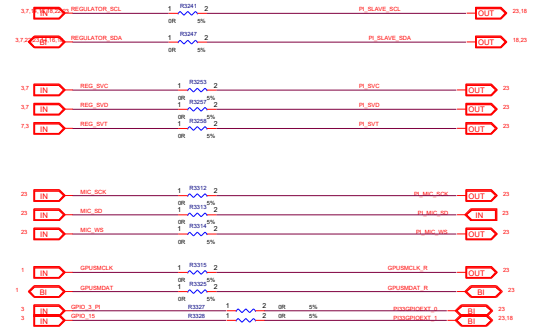
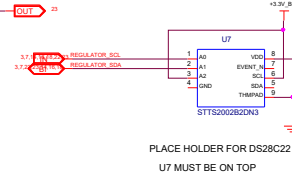
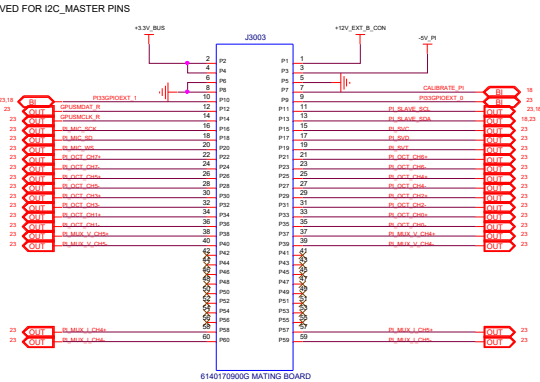


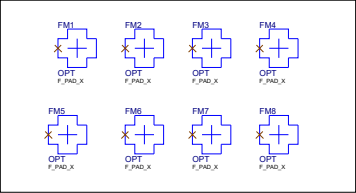




MSI

NETS IN GREEN SHOULD BE RE-NAMED





A	10/9/15	Initial schematic creation
B	6/30/16	Many Changes on PI circuit , Minor Chnages on SMPS
C	9/30/16	Many Changes on PI circuit , ASIC SYMBOL UPDATED FOR FLASH ROM INTERFACE , flash ROM SI/SO swapped , RP1 added
D	11/29/16	Changes on PI circuit , 100MHz HCSL clock source replced (contact AMD for detailes)
E	01/05/17	PI circuit removed , 200R added to DP AUX (6 resistors)
F	02/02/17	1.8V/VPP Kelvin resistors dual footprinted , DP AUX (6 resistors changed to 100R) , Changed R4033 to 360R 1206 and moved to 12V_AUX , SMBUS Address note swap , J4001 removed , R115/R116 changed to 61.9R , R205 added
G	06/29/17	Re-Name to MSI Lable
H	08/15/17	Remove R1013,R1014,R1015,R106 and V_12V_BUS,V_12V_EXT,V_12V_EXTB,V_3.3V_BUS, 12V_BUS_RES,12V_EXT_A_RES,12V_EXTB_RES,3.3V_BUS_RES
I	08/16/17	Change J3003 footprint name from con_mating_samtec_fsi-130-03-x-d-m-ad to con_mating_samtec
I	08/17/17	Remove TP102/105/126/127/106/108/107/106/128/129/110/111/112/113/130/131/114/116/115/117/132/133/118/119/120/121/134/135/122/124/123/125. Change Q702 Footprint , Rename Page 24 to MECH and add 8 + light Point