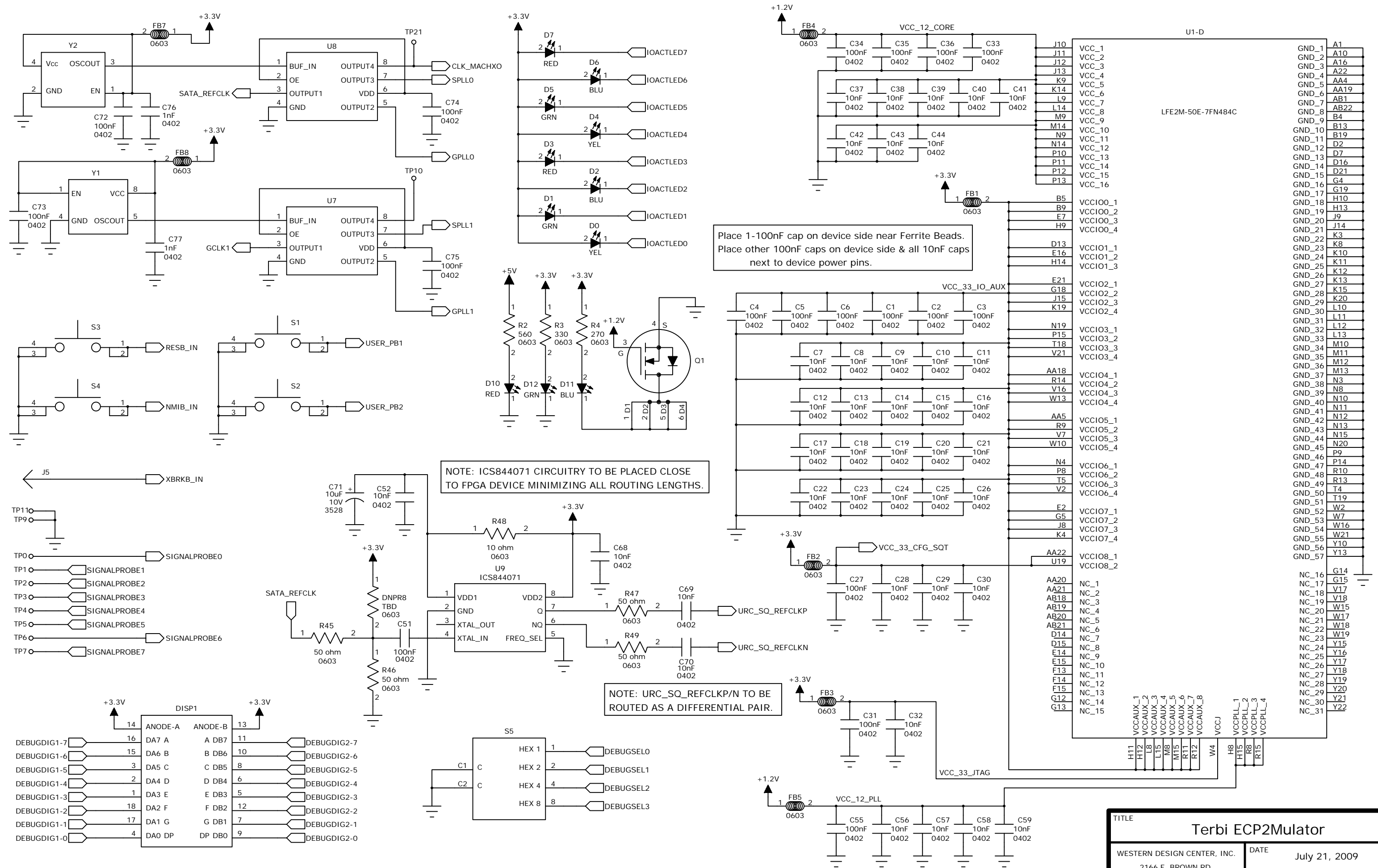


SATA_TX & SATA_RX TO BE ROUTED AS DIFFERENTIAL PAIRS AND MATCHED IN PAIR LENGTHS +/- 1MM.

Place 1-100nF cap on device side near Ferrite Beads. Place other 100nF caps on device side & all 10nF caps next to device power pins.

TITLE		SIZE	
Terbi ECP2Mulator		B	
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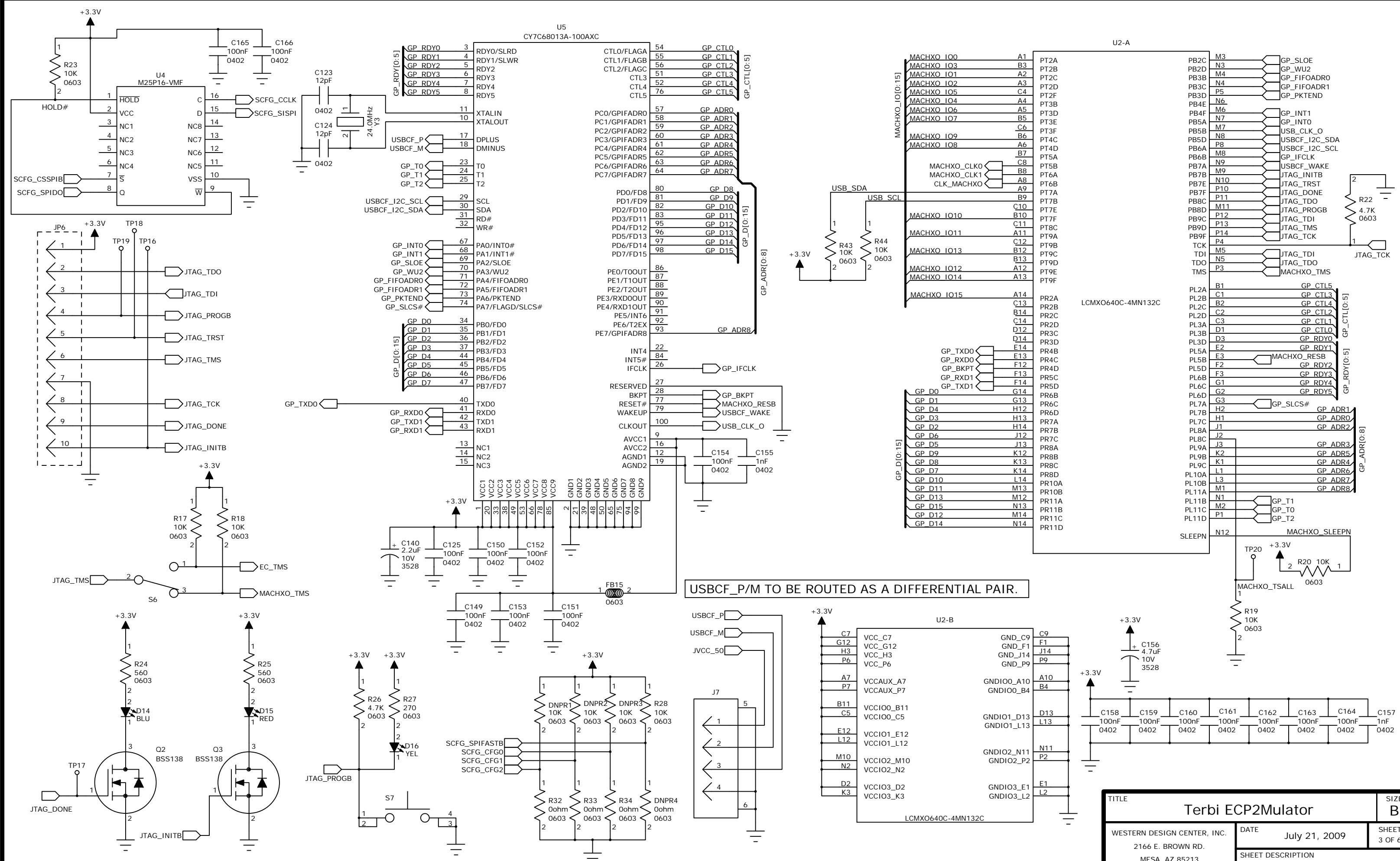


Place 1-100nF cap on device side near Ferrite Beads.
Place other 100nF caps on device side & all 10nF caps
next to device power pins.

NOTE: ICS844071 CIRCUITRY TO BE PLACED CLOSE
TO FPGA DEVICE MINIMIZING ALL ROUTING LENGTHS.

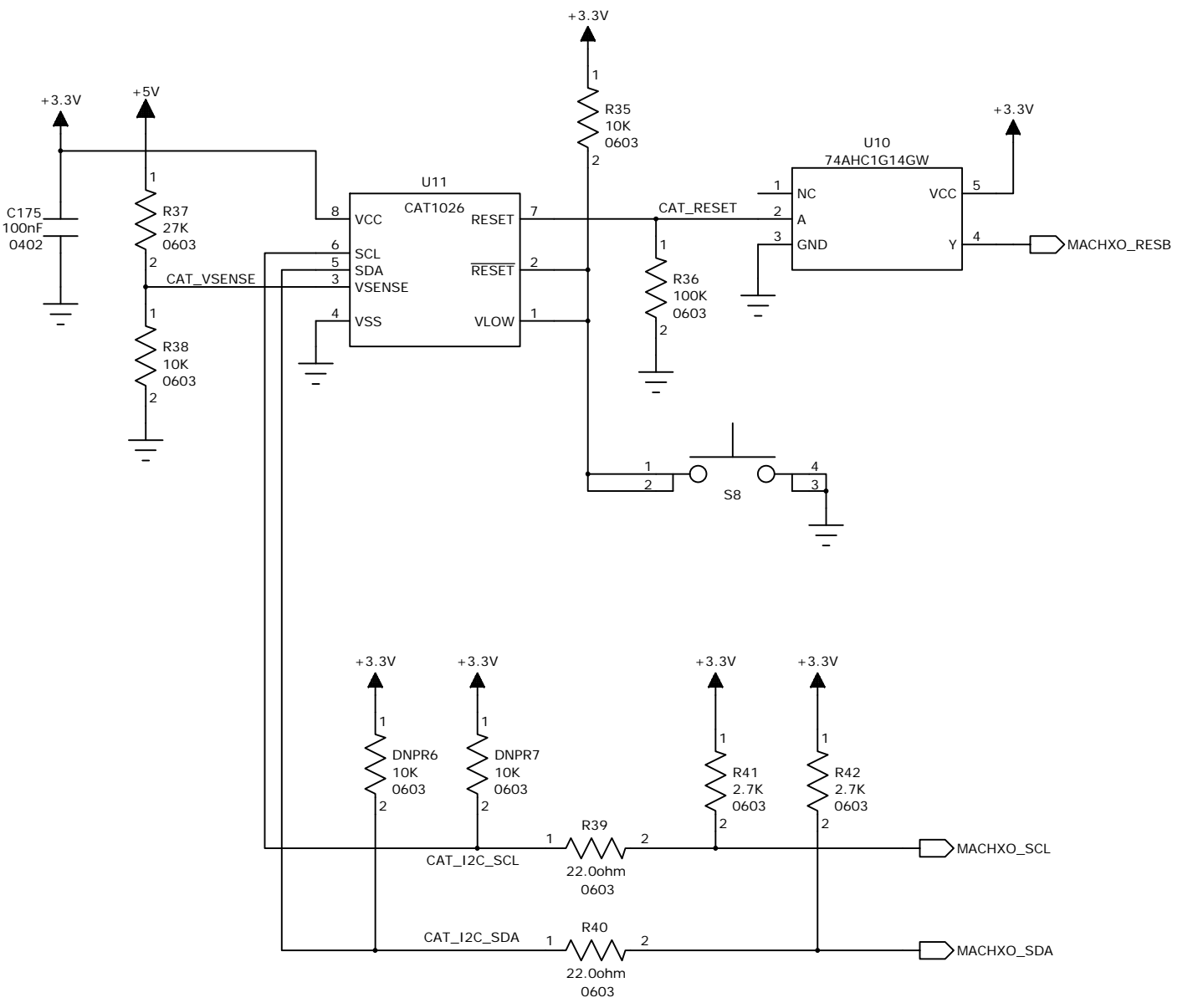
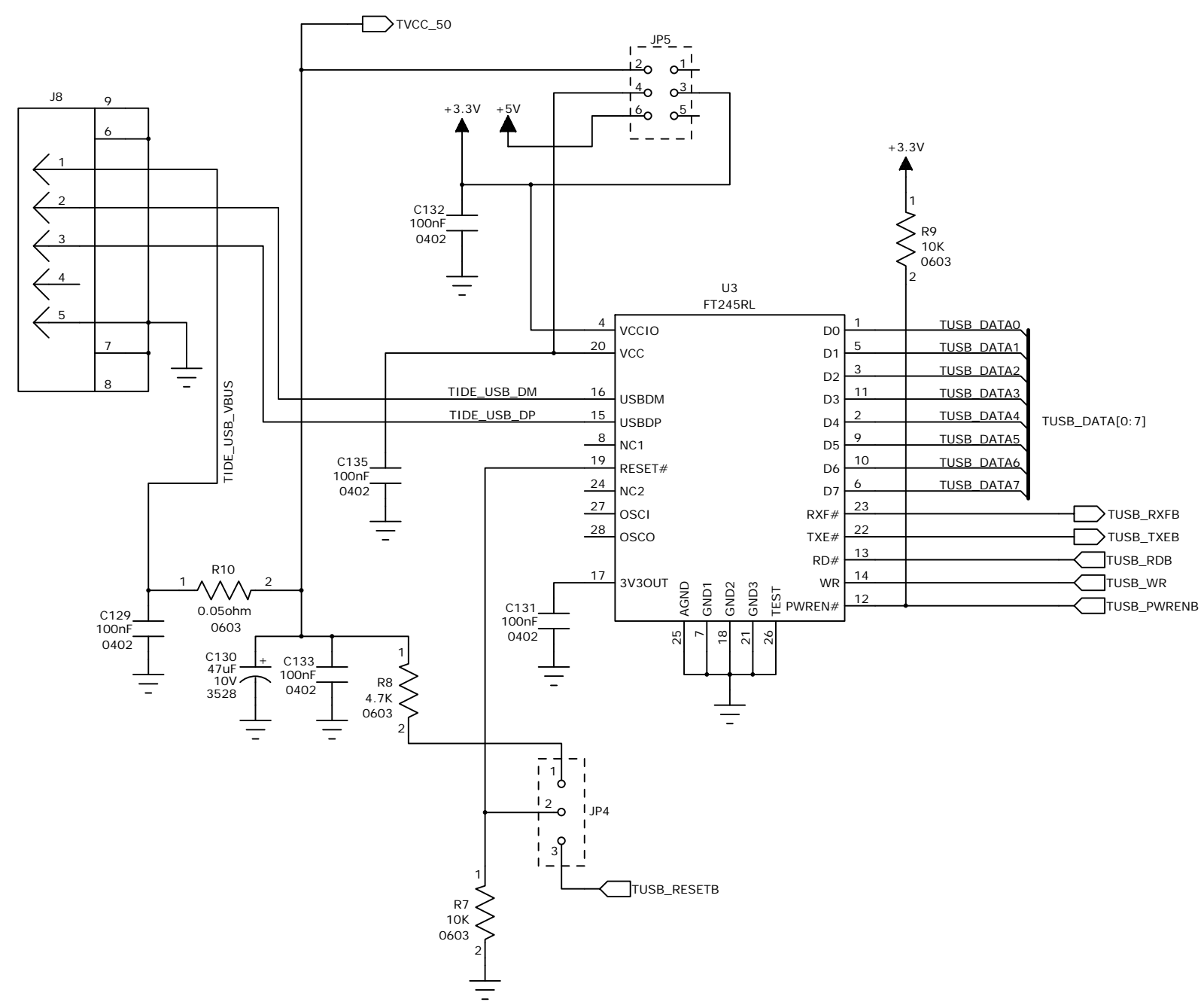
NOTE: URC_SQ_REFCLKP/N TO BE
ROUTED AS A DIFFERENTIAL PAIR.

J10	VCC_1	A1
J11	VCC_2	A10
J12	VCC_3	A16
J13	VCC_4	A22
K9	VCC_5	AA4
K14	VCC_6	AA19
L9	VCC_7	AB1
L14	VCC_8	AB22
M9	VCC_9	B4
M14	VCC_10	B13
N9	VCC_11	B19
N14	VCC_12	D2
P10	VCC_13	D7
P11	VCC_14	D16
P12	VCC_15	D21
P13	VCC_16	G4
B5	VCC100_1	G19
B9	VCC100_2	H10
E7	VCC100_3	H13
H9	VCC100_4	J9
D13	VCC101_1	J14
E16	VCC101_2	K8
H14	VCC101_3	K10
E21	VCC102_1	K11
G18	VCC102_2	K12
J15	VCC102_3	K13
K19	VCC102_4	K15
N19	VCC103_1	K20
P15	VCC103_2	L10
T18	VCC103_3	L11
V21	VCC103_4	L12
AA18	VCC104_1	L13
R14	VCC104_2	M10
V16	VCC104_3	M11
W13	VCC104_4	M12
AA5	VCC105_1	M13
R9	VCC105_2	N3
V7	VCC105_3	N8
W10	VCC105_4	N10
N4	VCC106_1	N11
P8	VCC106_2	N12
T5	VCC106_3	N13
V2	VCC106_4	N15
E2	VCC107_1	N20
G5	VCC107_2	N25
J8	VCC107_3	P9
K4	VCC107_4	P14
AA20	VCC108_1	R10
U19	VCC108_2	R13
AA21	NC_1	T4
AB18	NC_2	T19
AB19	NC_3	T7
AB20	NC_4	T9
AB21	NC_5	T15
D14	NC_6	T16
D15	NC_7	T17
E14	NC_8	T18
E15	NC_9	T21
F13	NC_10	Y10
F14	NC_11	Y15
F15	NC_12	Y16
G12	NC_13	Y17
G13	NC_14	Y18
H11	NC_15	Y19
H12	VCCAUX_1	Y20
H15	VCCAUX_2	Y21
L15	VCCAUX_3	Y22
L18	VCCAUX_4	NC_16
MB	VCCAUX_5	NC_17
MT5	VCCAUX_6	NC_18
RT1	VCCAUX_7	NC_19
RT2	VCCAUX_8	NC_20
W4	VCCJ	NC_21
H8	VCCPLL_1	NC_22
RT5	VCCPLL_2	NC_23
RT5	VCCPLL_3	NC_24
RT5	VCCPLL_4	NC_25
		NC_26
		NC_27
		NC_28
		NC_29
		NC_30
		NC_31

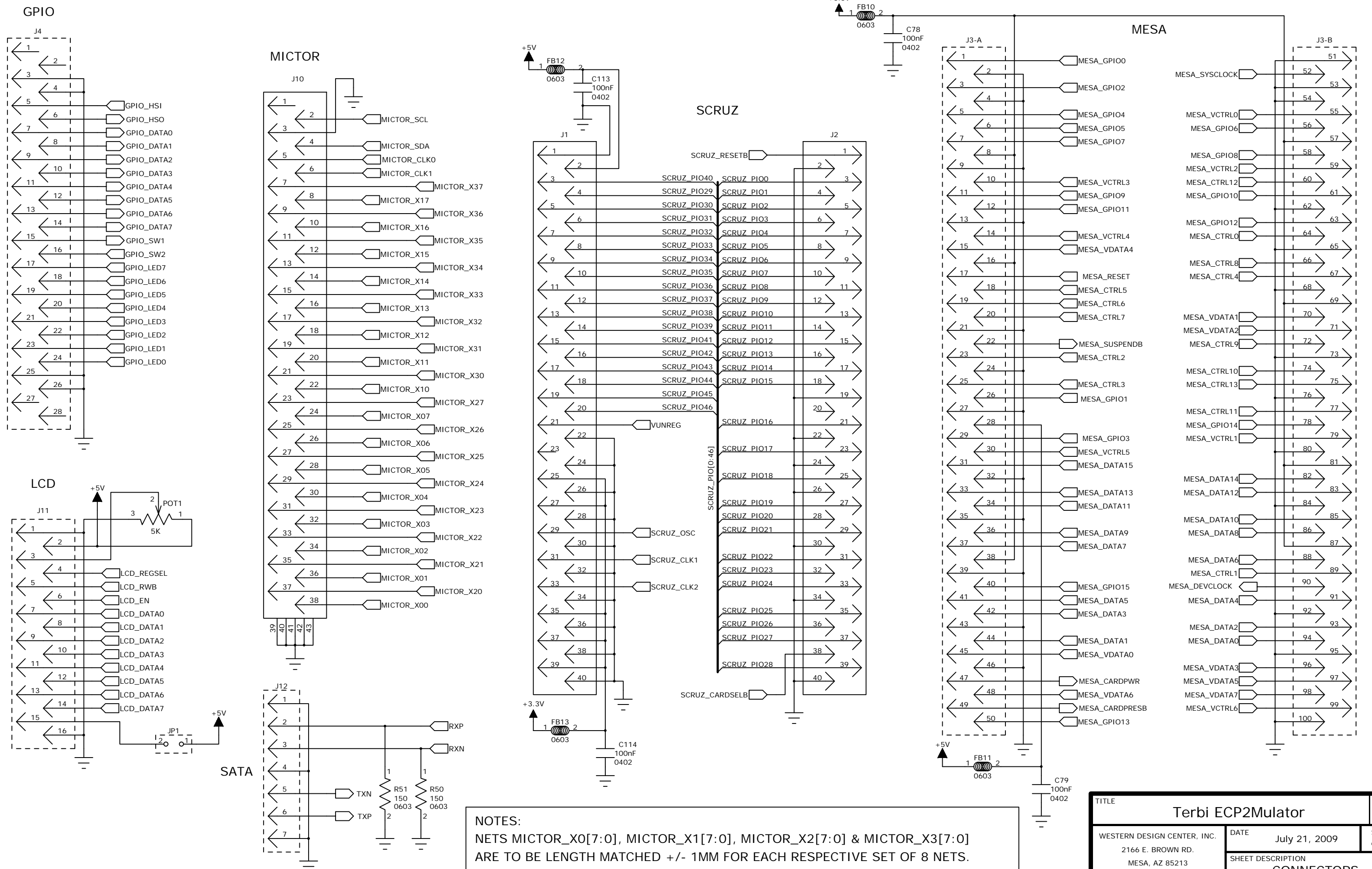


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TIDE_USB_DP/DM TO BE ROUTED AS A DIFFERENTIAL PAIR.



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www.westerndesigncenter.com		TIDE USB INTERFACE			



NOTES:
 NETS MICTOR_X0[7:0], MICTOR_X1[7:0], MICTOR_X2[7:0] & MICTOR_X3[7:0]
 ARE TO BE LENGTH MATCHED +/- 1MM FOR EACH RESPECTIVE SET OF 8 NETS.

TITLE		Terbi ECP2Mulator		SIZE	B
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