

1818 SE 17th Street
Battle Ground, WA 98604

Name: Enet and USB

File: Comm.SCHDOC

(360) 254-8688

Date: 2/22/2023

Sheet 1 of 7

RMC70E Revision History and Notes

on daughter cards from flashing on power-up.

Replace most Tantalum capacitors with ceramic Replade 25 MHz crystal with newer package type

Install capacitors C128 and C134 (were DNP)

Rev 2.1A 20200814

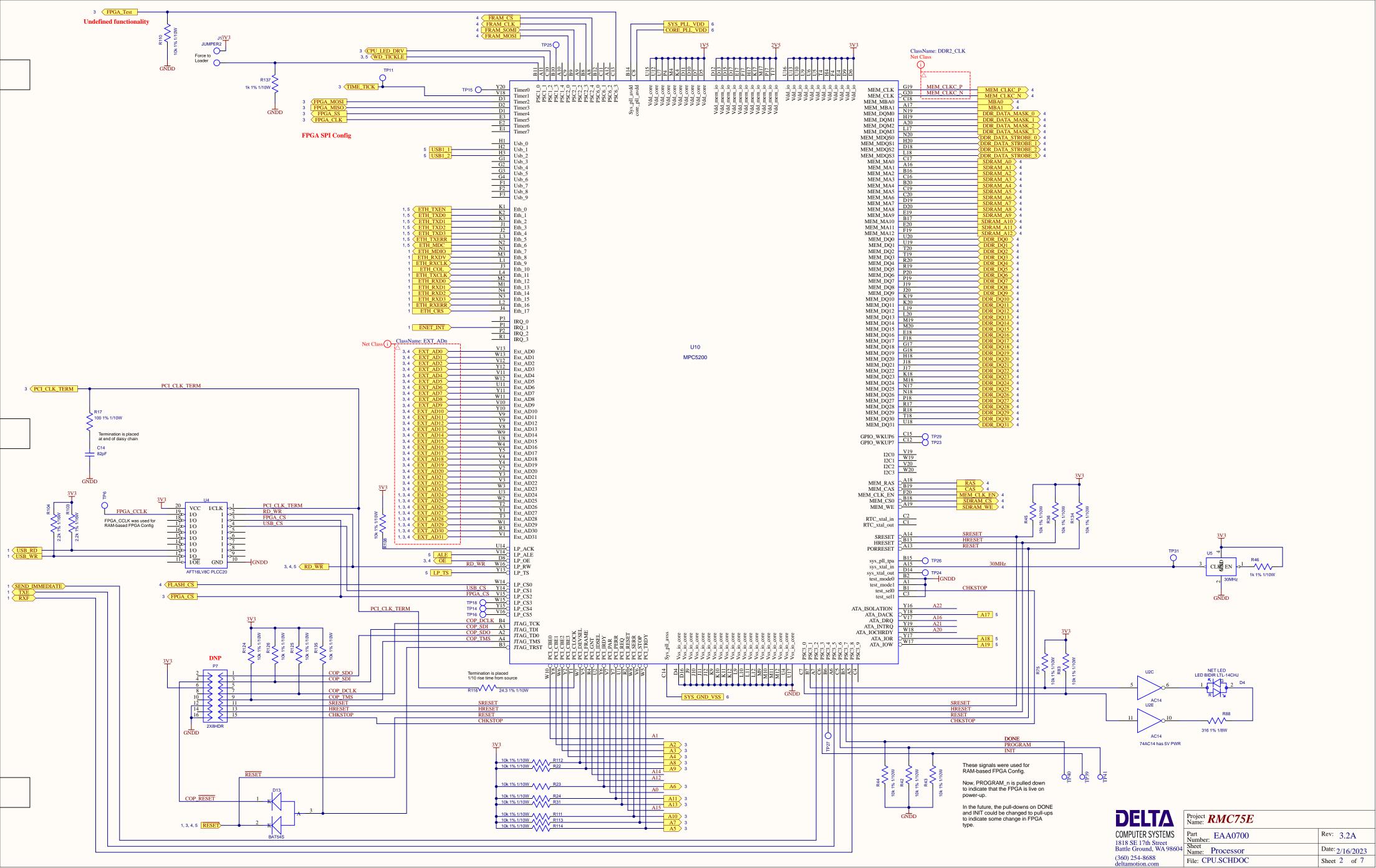
Rev 2.2A 20220317

Rev 3.0A 20220524

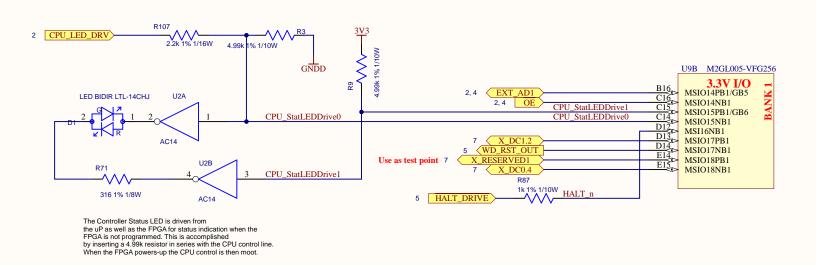
Rev 3.1A 20220819

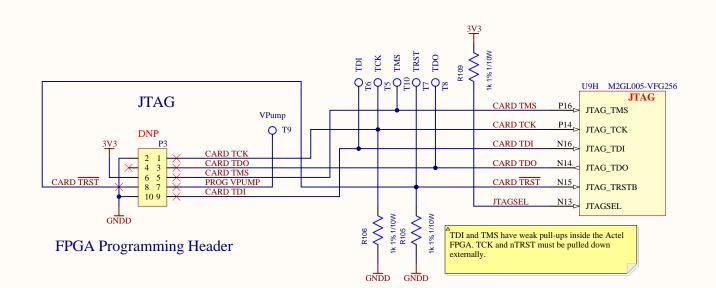
Rev 3.1C 20230217

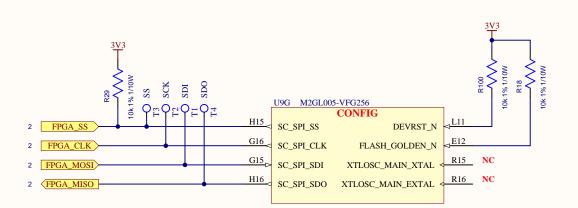
Rev 3.2A 20230215

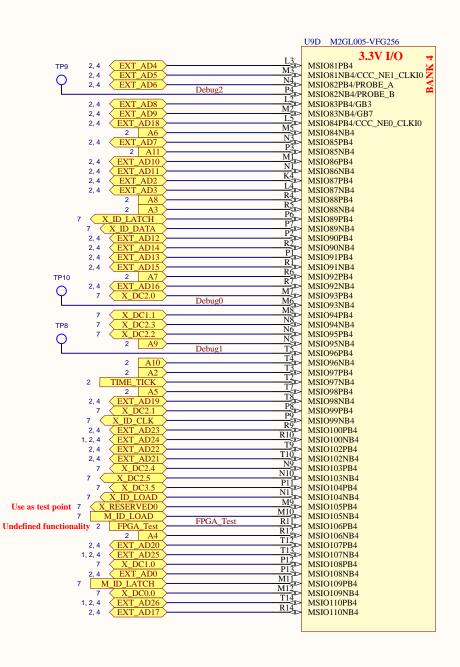


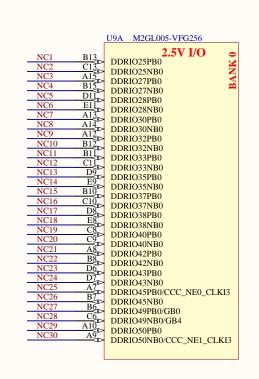


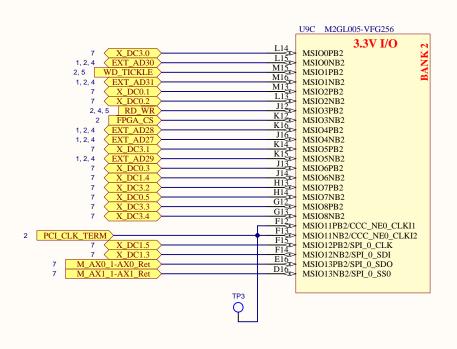


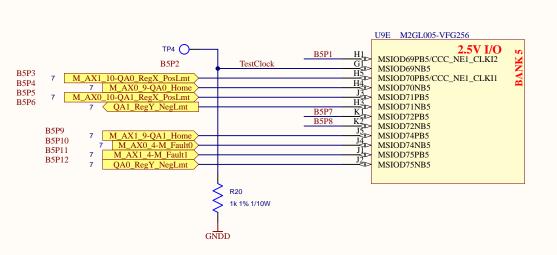


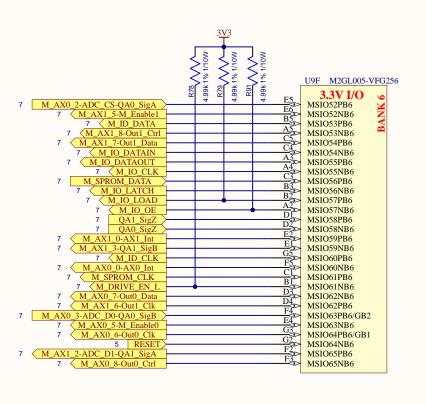




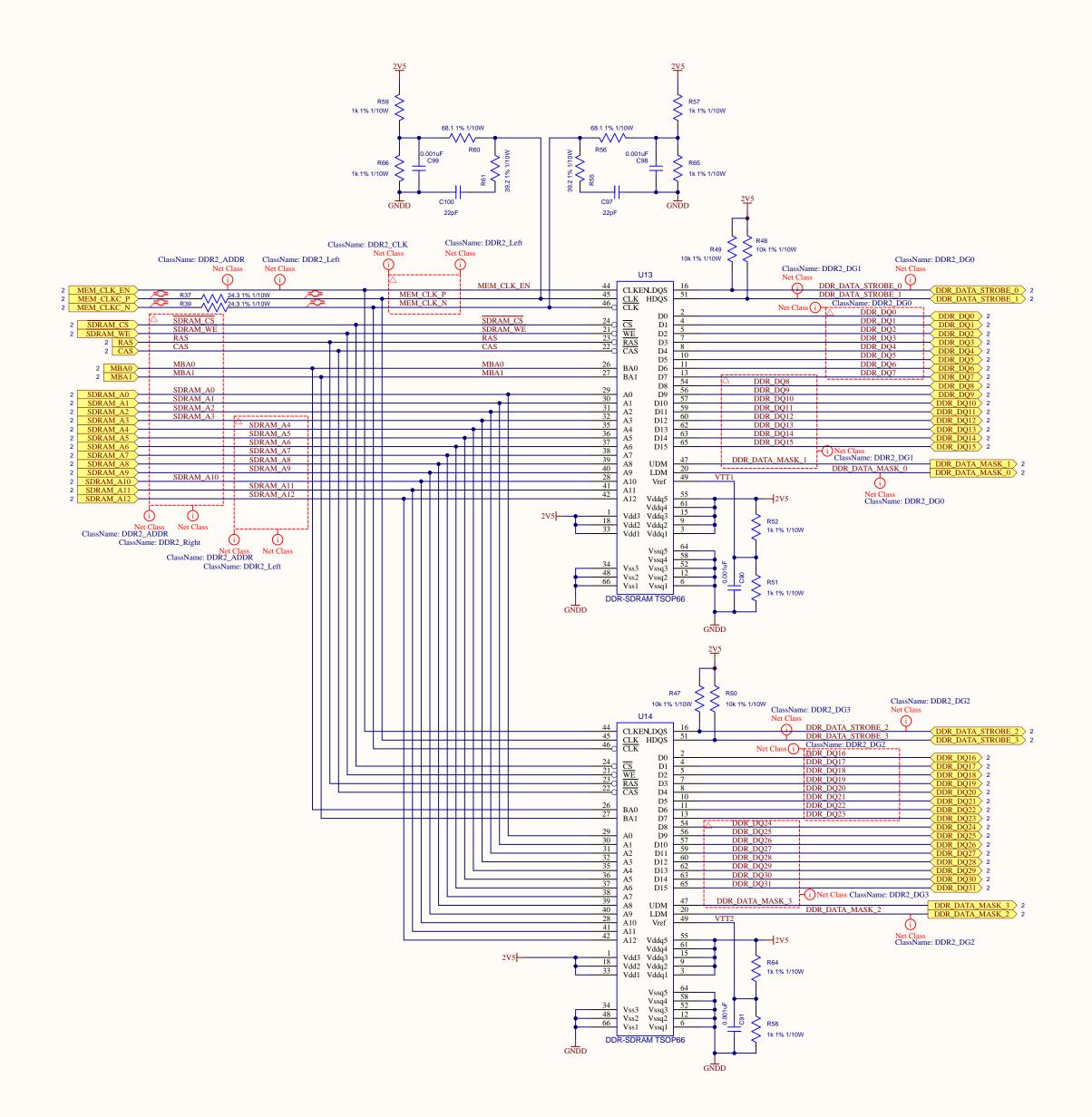


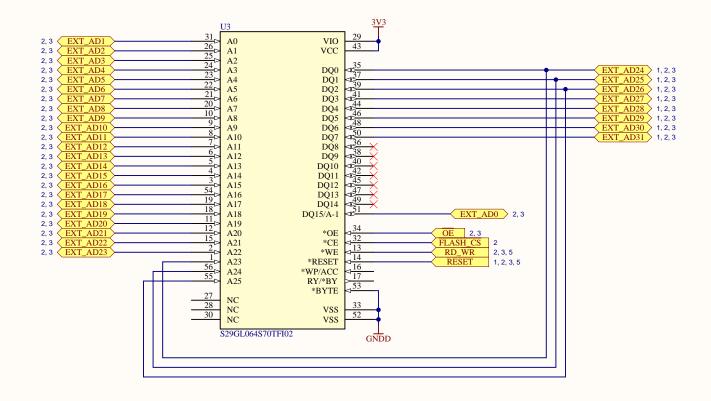


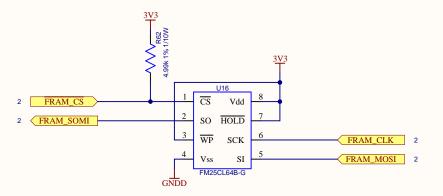






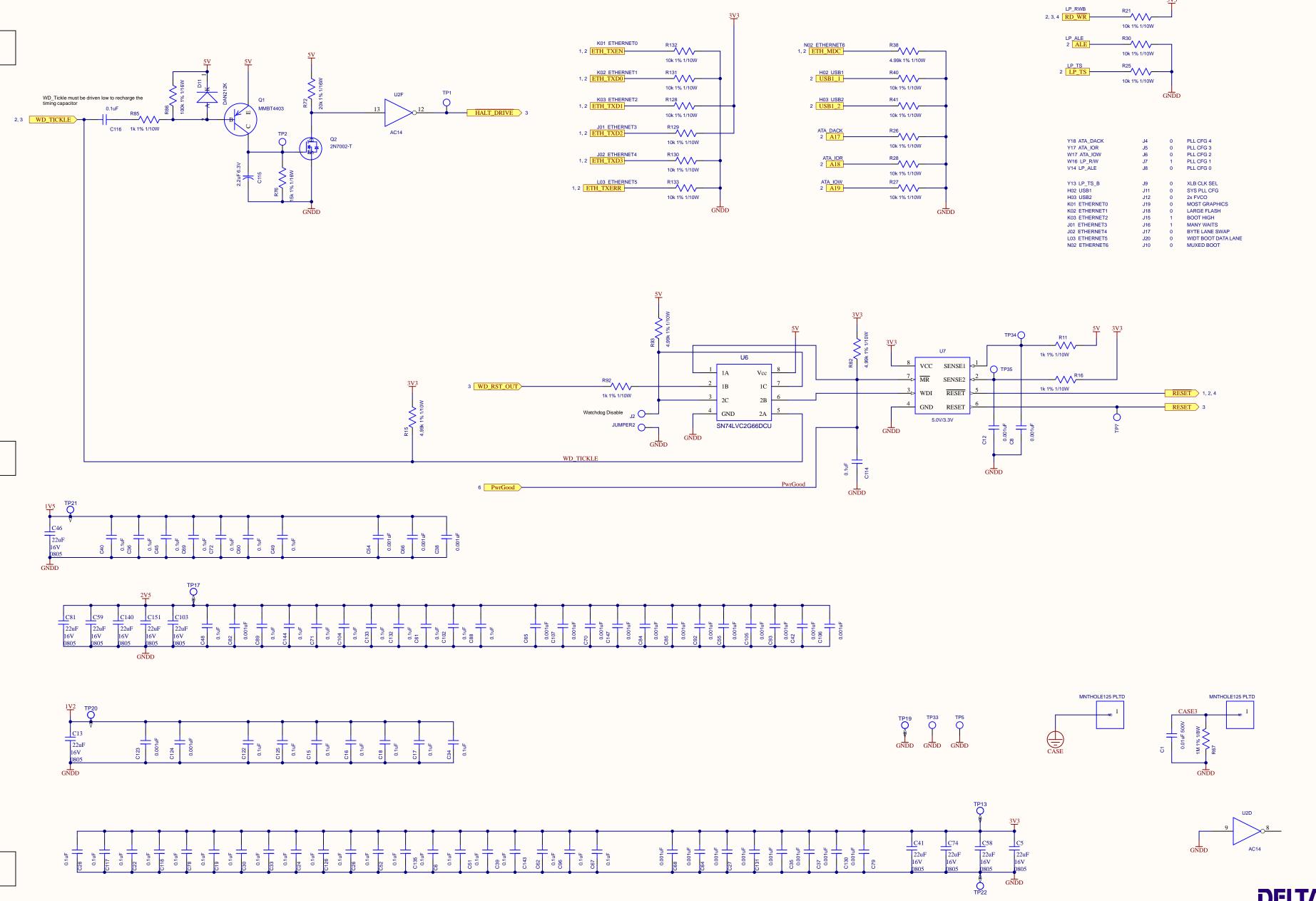






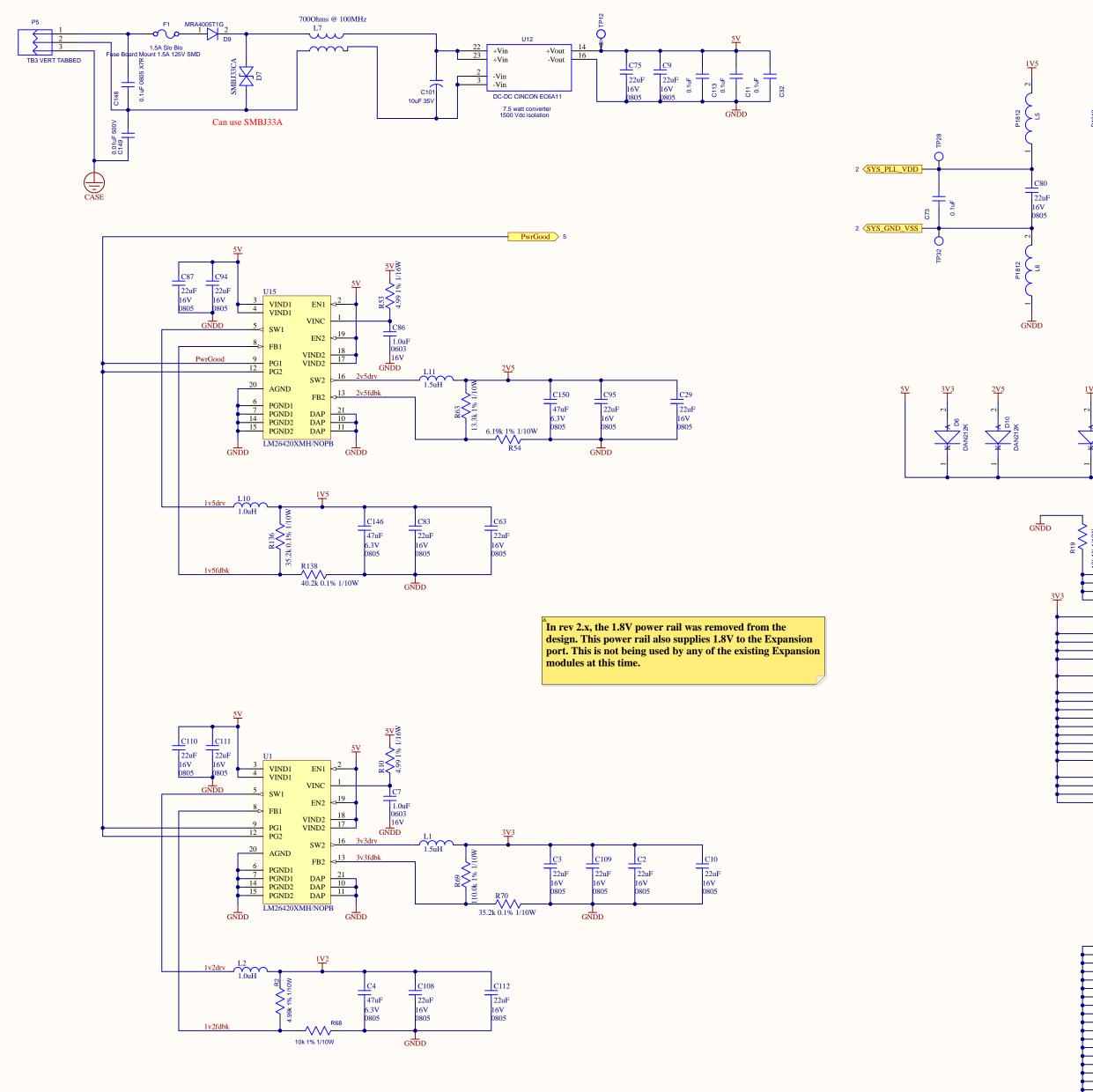


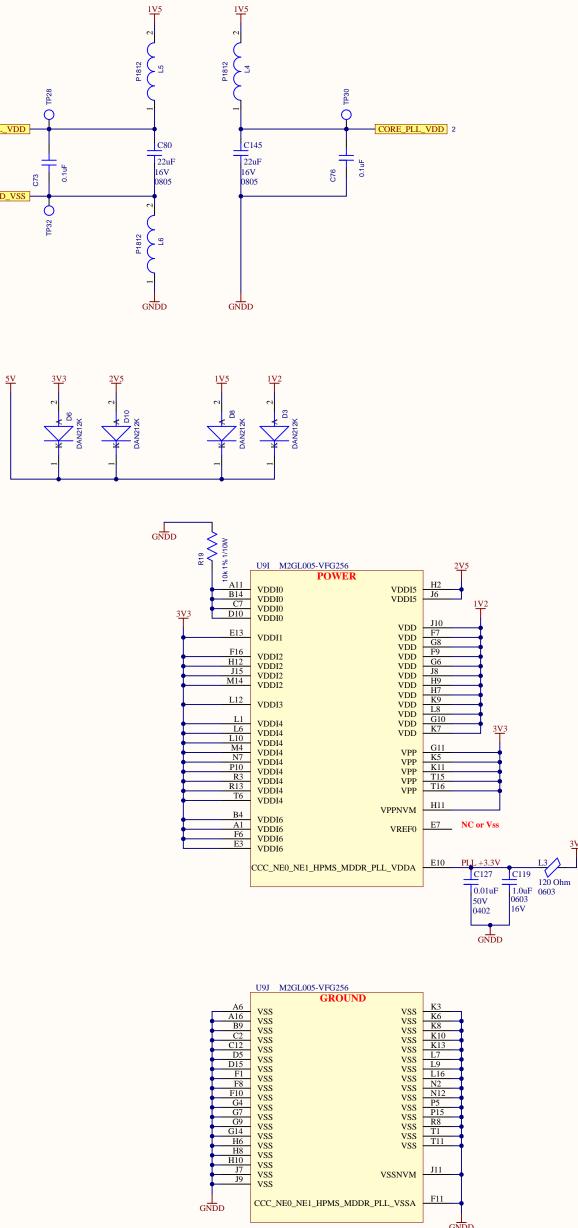
Project RMC75E		
Part EAA0700	Rev: 3.2A	
Sheet Name: Memory	Date: 2/16/2023	
File: Memory.SCHDOC	Sheet 4 of 7	





	Project <b>RMC75E</b>	
R SYSTEMS	Part Number: EAA0700	Rev: 3.2A
ound, WA 98604	Sheet Name: Miscellaneous	Date: 2/16/2023
-8688	File: Misc.SCHDOC	Sheet 5 of 7







Project RMC75E			
Part Number: EAA0700	Rev: 3.2A		
Sheet Name: Power	Date: 2/16/2023		
File: Power.SCHDOC	Sheet 6 of 7		

1V8\_AX 3<u>V</u>3 <u>5</u>V M\_AX1\_5-M\_Enable1 220 5% 1/10 W RA10A AX1\_5 M\_AX1\_6-Out1\_Clk M\_AX1\_6-Out1\_Clk 220 5% 1/10 W RA10B AX1\_6 M\_AX1\_7-Out1\_Data

M\_AX1\_7-Out1\_Data 220 5% 1/10 W RA10C AX1\_7 M\_AX1\_8-Out1\_Ctrl M\_AX1\_8-Out1\_Ctrl 220 5% 1/10 W RA10D AX1\_8 M\_AX1\_9-QA1\_Home M\_AX1\_9-QA1\_Home 0402 649 R73 AX1\_10
220 5% 1/10W RA1C AX0\_0 220 5% 1/10 W RA1D ID\_CLK 220 5% 1/10 W RA9A ID DATA
220 5% 1/10 W RA1B AX0 2
220 5% 1/10 W RA9B IO CLK
220 5% 1/10 W RA1A AX0 3
220 5% 1/10 W RA9C IO DATAIN 0402 649 R6 AX0\_4

220 5% 1/10W RA9D IO\_DATAOUT

220 5% 1/10 W RA2D AX0\_5

220 5% 1/10 W RA8A IO\_LATCH 220 5% 1/10 W RA8B IO\_OE
220 5% 1/10 W RA9C AXO\_6
220 5% 1/10 W RA8C IO\_LOAD
220 5% 1/10 W RA2B AXO\_7
220 5% 1/10 W RA8D DRIVE\_EN 220 5% 1/10 W RA2A AX0\_8

220 5% 1/10 W RA11A SPROM\_DATA
0402 649 R7 AX0\_9

220 5% 1/10 W RA11B SPROM\_CLK M\_AX0\_10-QA1\_RegX\_PosLmt
QA1\_RegY\_NegLmt
M\_AX1\_0-AX1\_Int | M\_AX1\_I-AX1\_Ret | M\_AX1\_I-AX1\_Ret |
| QA0\_SigZ | QA0\_SigZ |
| 1\_2-ADC\_D1-QA1\_SigA |
| QA1\_SigZ | QA1\_SigZ |
| QA1\_SigZ | 220 5% 1/10 W RA3B AX1\_3
220 5% 1/10 W RA4D ID\_LATCH
0402 649 R4 AX1\_4
220 5% 1/10 W RA4C ID\_LOAD IEEE1386CONN6 220 5% 1/10 W RA3A Axis Module Interface

Not Used

220 5% 1/10 W RA15A XID\_CLK
220 5% 1/10 W RA15B DC2.1
220 5% 1/10 W RA15C XID\_DATA
220 5% 1/10 W RA15D DC2.2
220 5% 1/10 W RA7A XID\_LATCH
220 5% 1/10 W RA7B DC2.3 220 5% 1/10 W RA14C DC0.1
220 5% 1/10 W RA14D DC3.0
220 5% 1/10 W RA6A DC0.2
220 5% 1/10 W RA6B DC3.1
220 5% 1/10 W RA6C DC0.3
220 5% 1/10 W RA6D DC3.2 All connections come from FPGA on page 3 220 5% 1/10 W RA13A DC3.3
220 5% 1/10 W RA13B DC0.4
220 5% 1/10 W RA13C DC3.4
220 5% 1/10 W RA13D DC0.5 220 5% 1/10 W RA12A DC1.0

220 5% 1/10 W RA12B DC3.5

220 5% 1/10 W RA12C DC1.1

220 5% 1/10 W RA12D XRESERVED0

220 5% 1/10 W RA5A DC1.2

220 5% 1/10 W RA5B XRESERVED1

220 5% 1/10 W RA5C DC1.3 **Not Used** 1V8\_EXP 3V3 5V 220 5% 1/10 W RA5D DC1.4 X\_DC1.4 220 5% 1/10 W RA4A DC1.5 X\_DC1.5 220 5% 1/10 W RA4B DC2.0 X\_DC2.0 XIOCONN40F GNDD Expansion Module Interface

> D COMF 1818 : Battle (360)

ELTA	Project RMC75E	
MPUTER SYSTEMS 3 SE 17th Street	Part Number: EAA0700	Rev: 3.2A
le Ground, WA 98604	Sheet Name: Axis and Exp Connectors	Date: 2/15/2023
) 254-8688 amotion com	File: Xface Conn.SCHDOC	Sheet 7 of 7