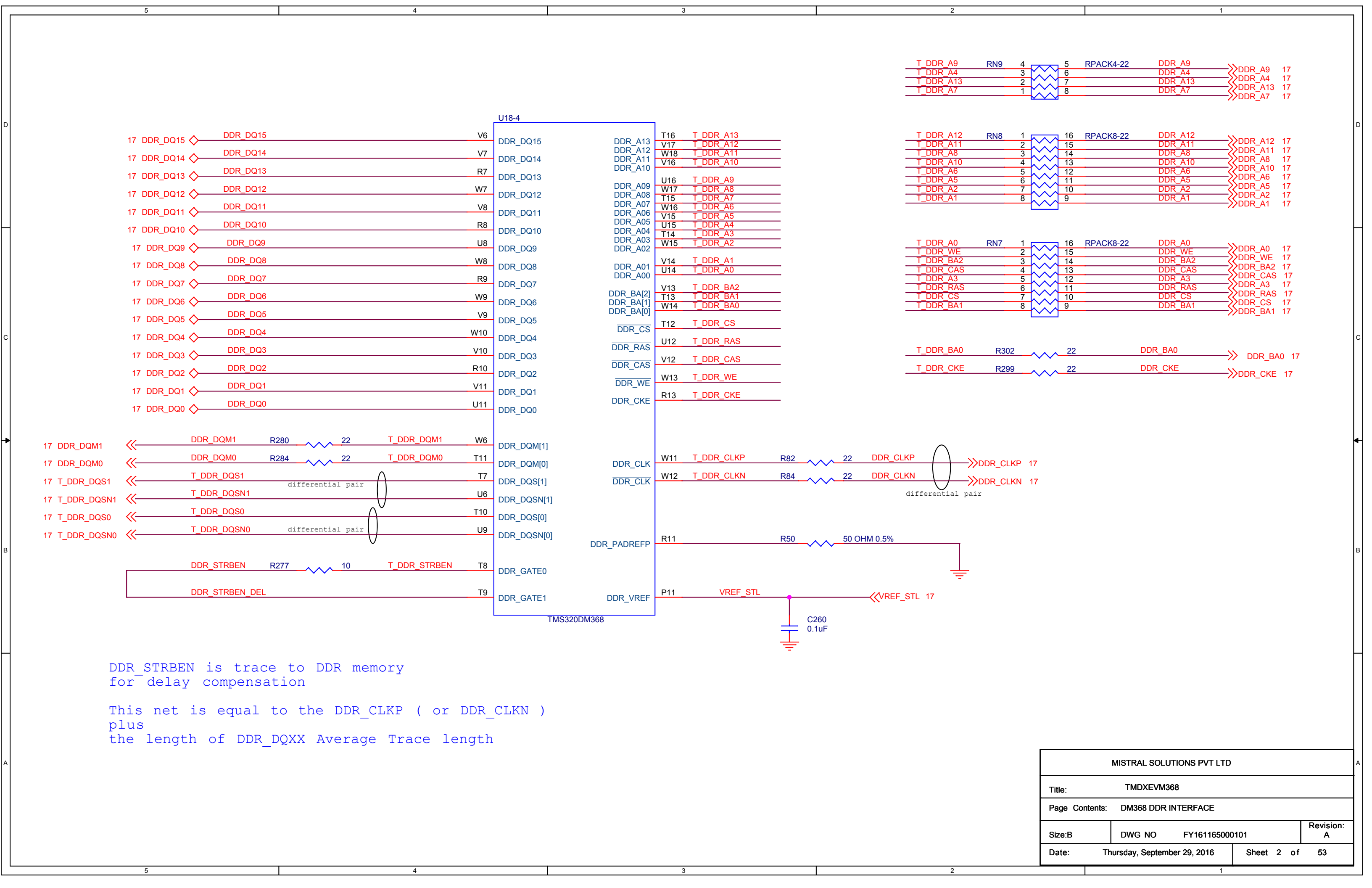
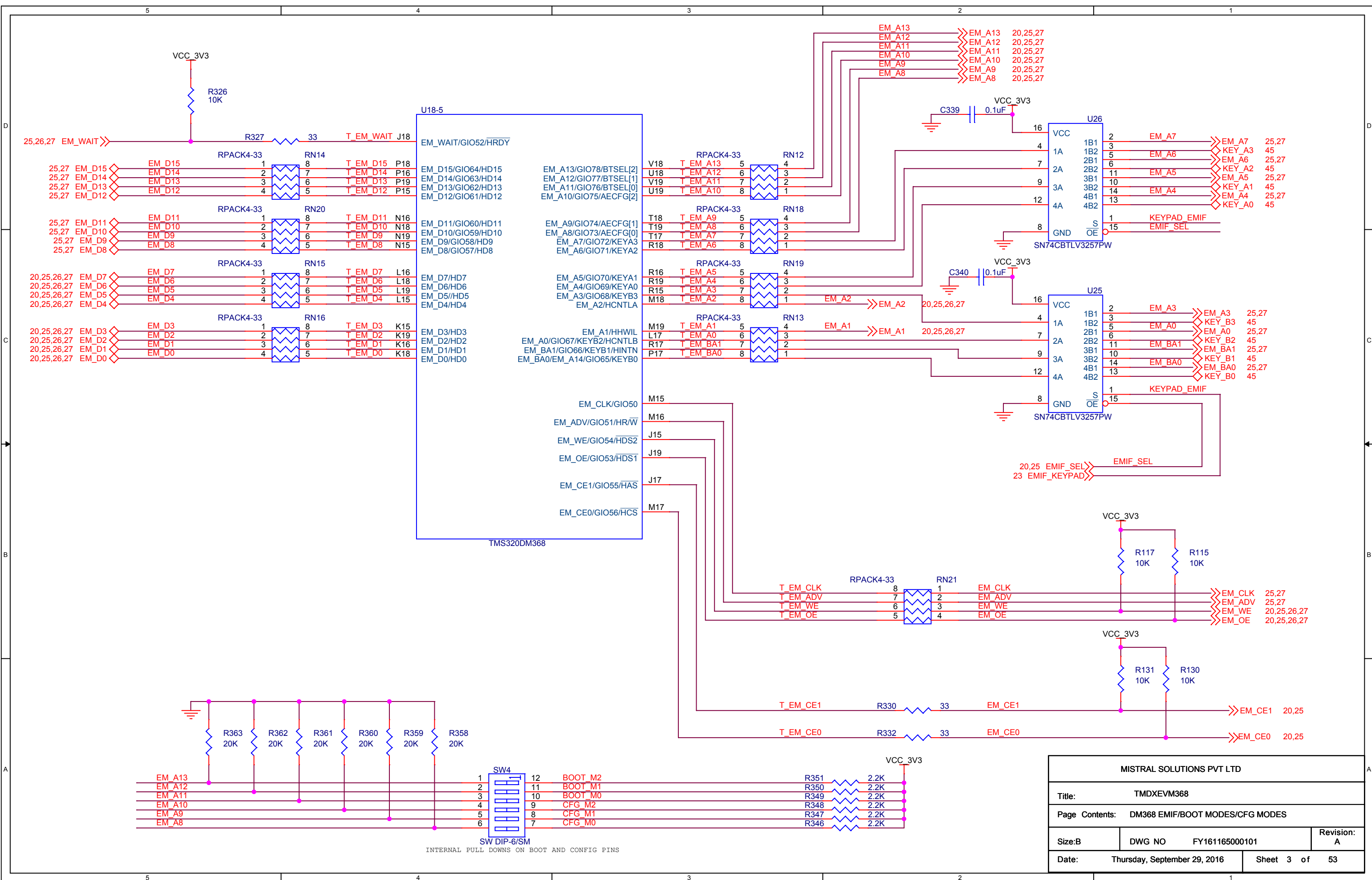
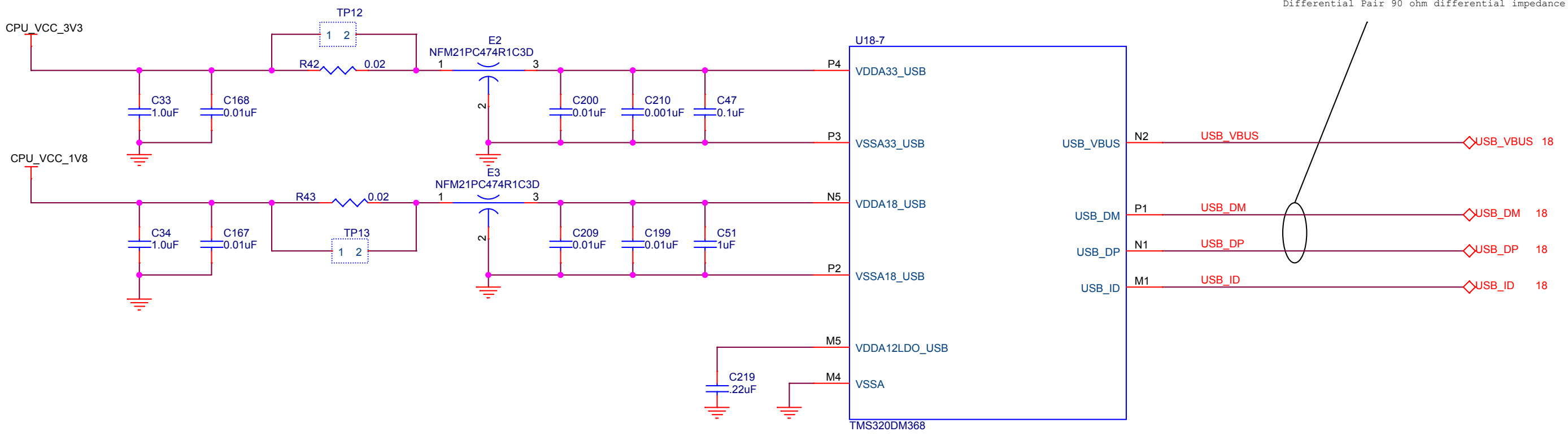


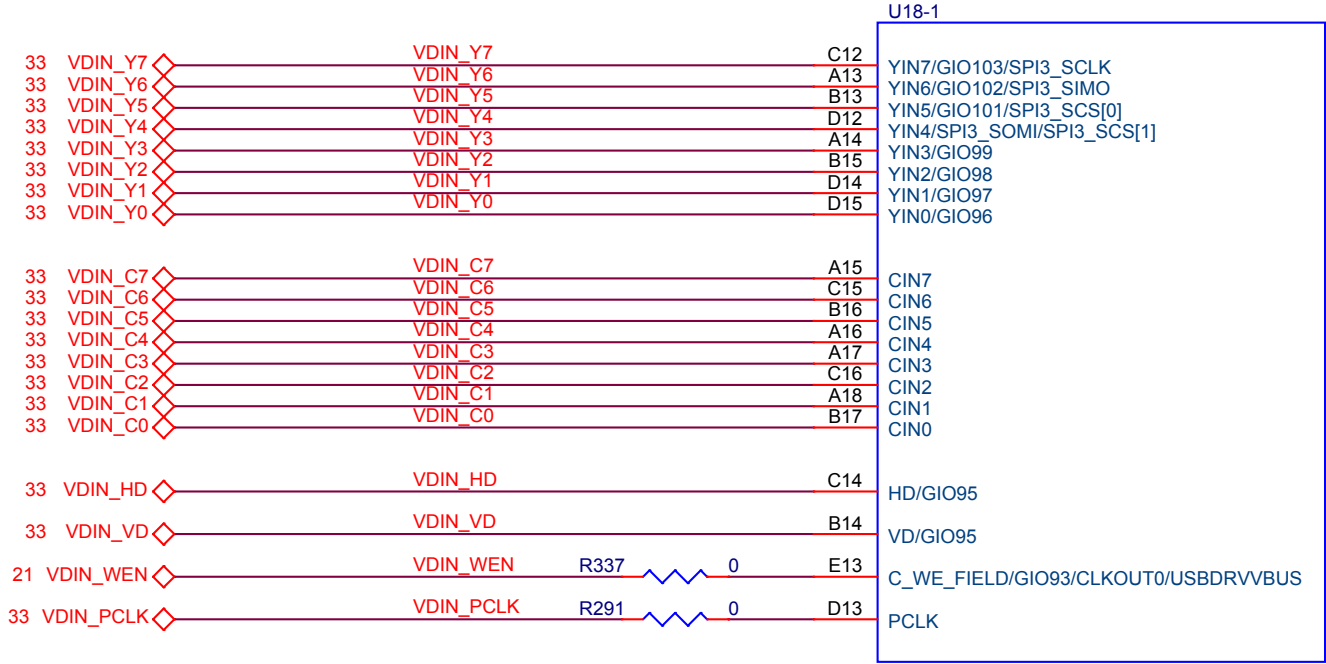
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										A		SEE DETAILS ON REVISION SHEET AT END OF SCHEMATIC										04/12/16		KRISHNAPRASAD	
SCHEMATIC CONTENTS																									
SHEET01 - TITLE																									
SHEET02 - DM368 DDR2 INTERFACE																									
SHEET03 - DM368 EMIF/BOOT MODES/CFG MODES																									
SHEET04 - DM368 USB																									
SHEET05 - DM368 VIDEO PORT IN																									
SHEET06 - DM368 VIDEO PORT OUT																									
SHEET07 - DM368 ANALOG VIDEO OUT																									
SHEET08 - DM368 SD/MMC/MS IF																									
SHEET09 - DM368 I/O																									
SHEET10 - DM368 JTAG,CLKS,RESET																									
SHEET11 - DM368 ADC																									
SHEET12 - DM368 MIC/SPEAKER																									
SHEET13 - DM368 POWER PINS																									
SHEET14 - DM368 POWER CONTROL																									
SHEET15 - DM368 GROUND PINS																									
SHEET16 - DM368 DECOUPLING CAPS																									
SHEET17 - DDR2 MEMORY																									
SHEET18 - USB INTERFACE CONNECTOR																									
SHEET19 - JTAG CONNECTORS																									
SHEET20 - CPLD BANK A																									
SHEET21 - CPLD BANK B																									
SHEET22 - CPLD BANK C																									
SHEET23 - CPLD BANK D																									
SHEET24 - CLPD POWER																									
SHEET25 - HOST/EMIF DC INTERFACE																									
SHEET26 - NAND FLASH																									
SHEET27 - ONE NAND																									
SHEET28 - I2C/SPI EEPROM I2C Device																									
SHEET29 - RS232 INTERFACE																									
SHEET30 - uSD IF																									
SHEET31 - SD.MMC IF 2 0x18 AIC3101																									
SHEET32 - VIDEO COMPONENT OUT 0x25 MSP430																									
SHEET33 - VIDEO INPUT MULTIPLEXER 0x2C THS7303																									
SHEET34 - VIDEO INPUT DC CONNECTORS 0x2E THS7353																									
SHEET35 - TVP7002 0x50 CAT24C256																									
SHEET36 - HD VIDEO IN CONNECTORS 0x5D TVP5146																									
SHEET37 - TVP5146 DECODER 0x5C TVP7002																									
SHEET38 - McBSP MUX																									
SHEET39 - AIC3101																									
SHEET40 - VIDEO OUTPUT DC CONNECTOR																									
SHEET41 - DILC HOST CONNECTOR																									
SHEET42 - ETHERNET MUX																									
SHEET43 - ETHERNET PHY																									
SHEET44 - MSP IR CONTROLLER																									
SHEET45 - SWITCHES																									
SHEET46 - LEDS																									
SHEET47 - POWER SUPPLY TPS65510																									
SHEET48 - POWER SUPPLY TPS65530																									
SHEET49 - POWER SUPPLY																									
SHEET50 - DECODER POWER 3V3 AND 1V8																									
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SHEET52 - POWER IN																									
SHEET53 - REVISION HISTORY																									
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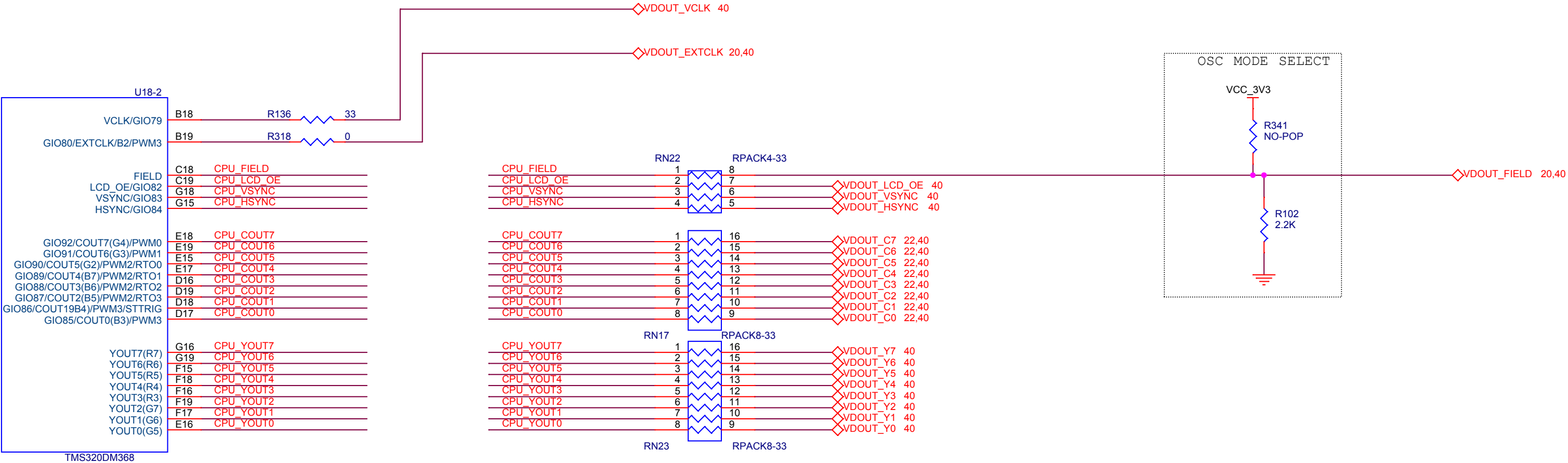


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Date:	Thursday, September 29, 2016	Sheet 4 of	53

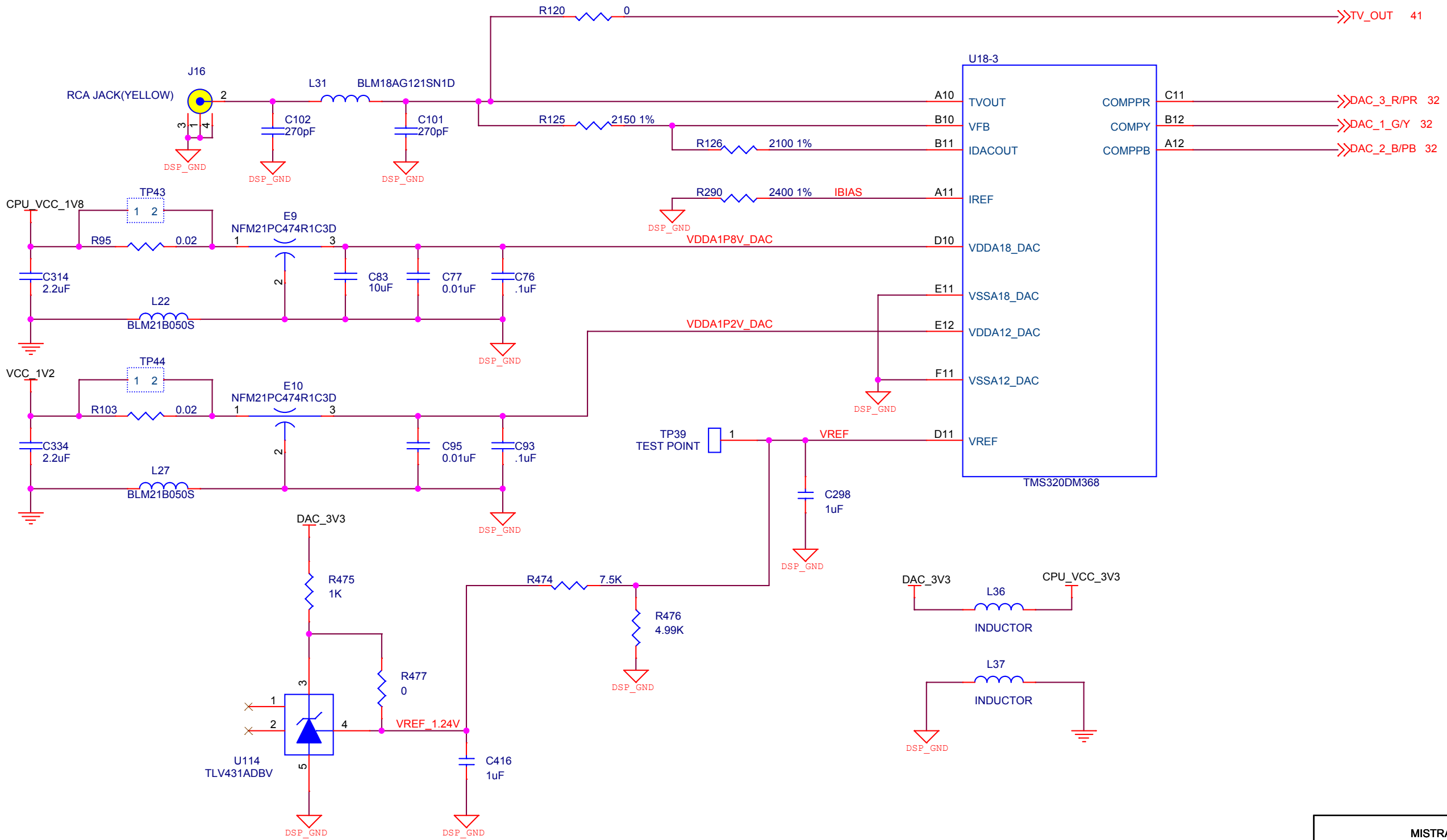


TMS320DM368

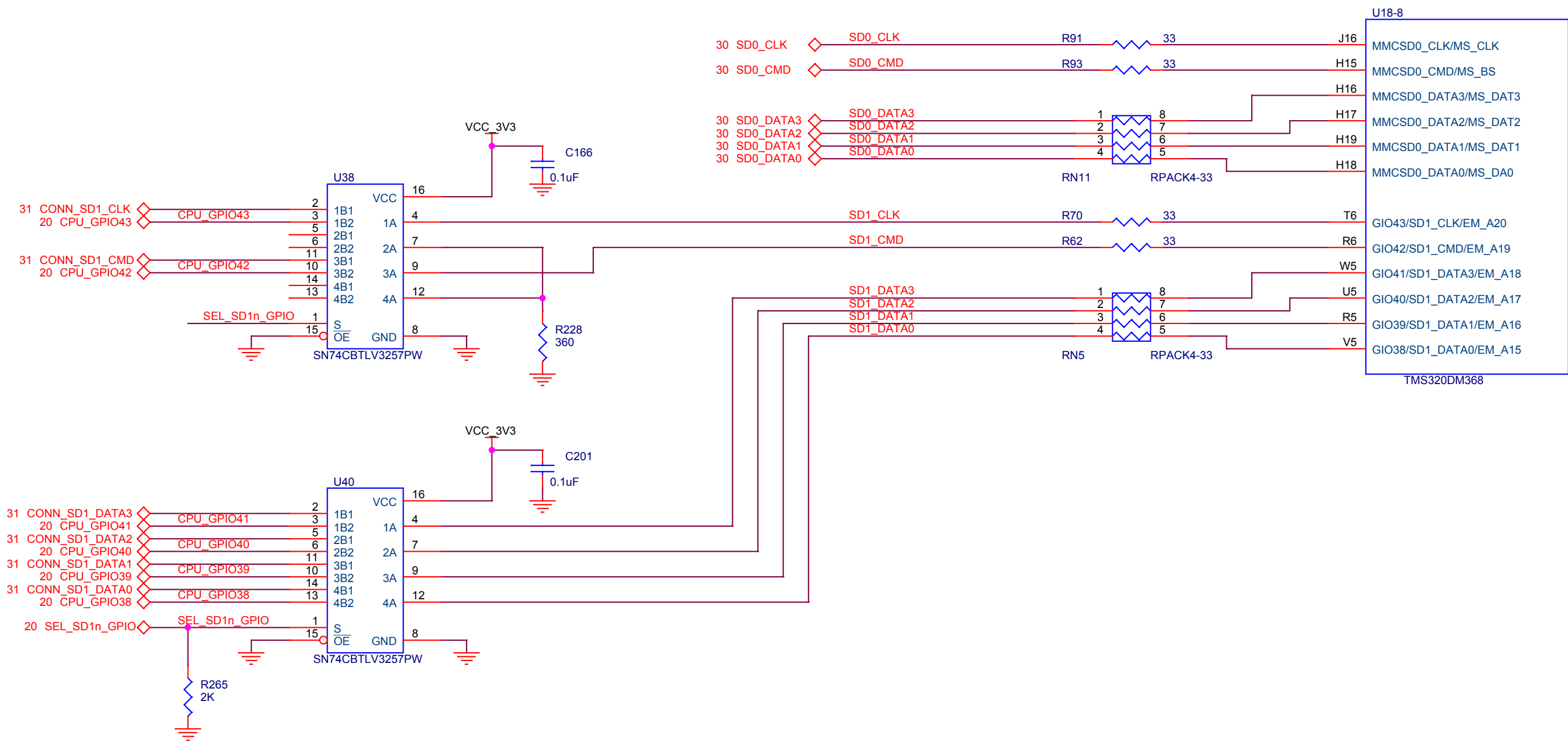
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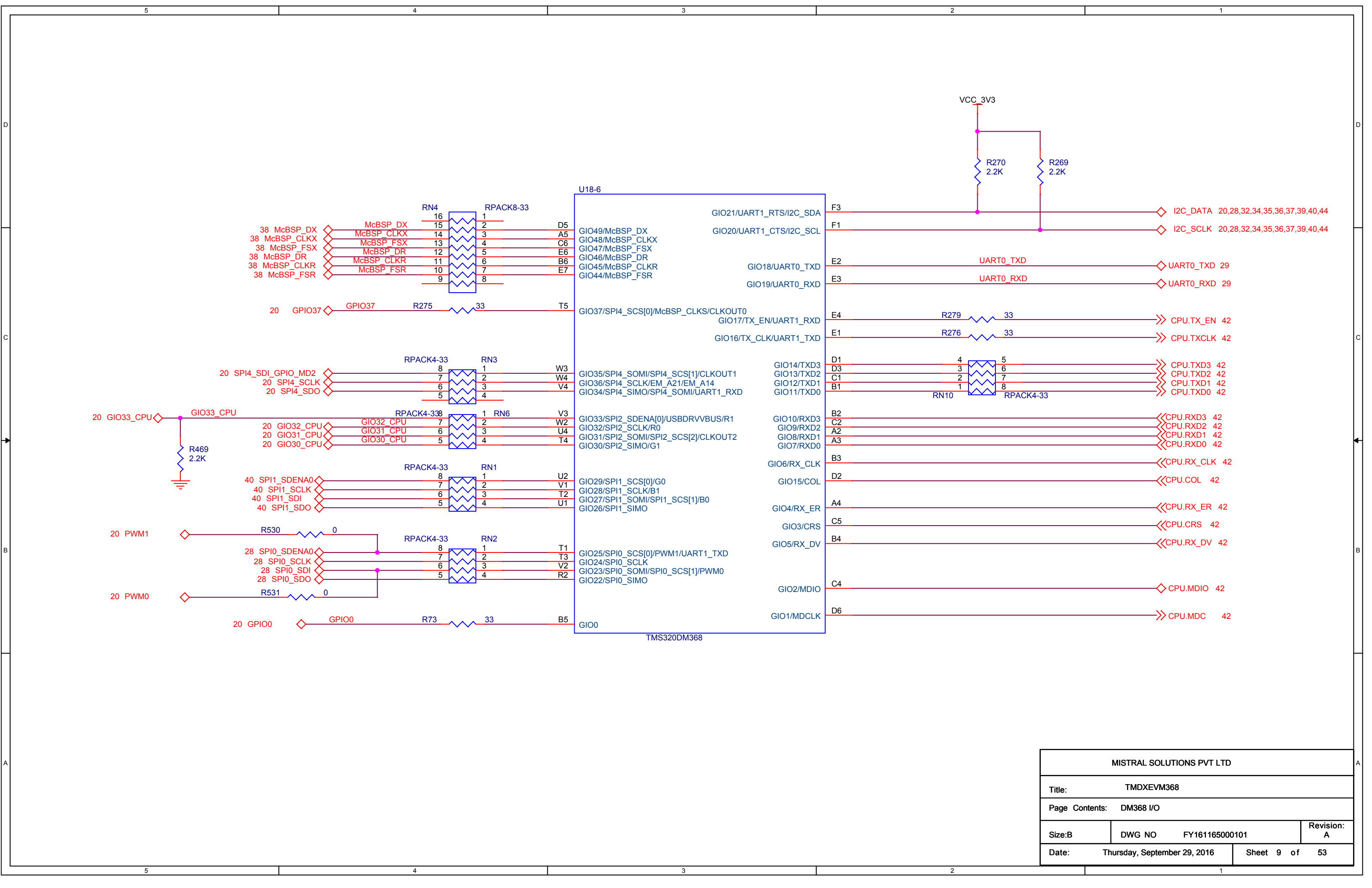
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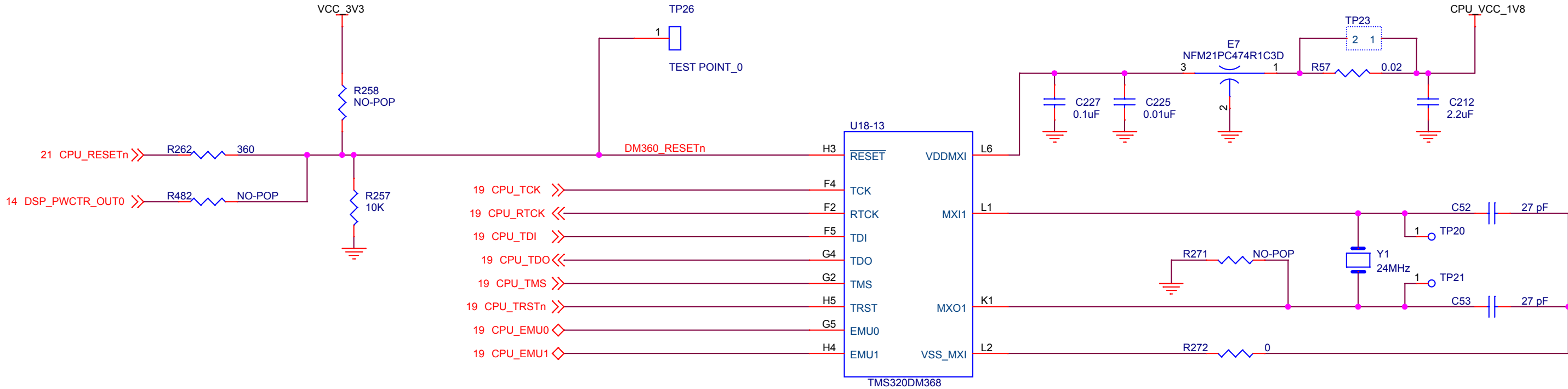
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Date:	Thursday, September 29, 2016	Sheet 7 of	53



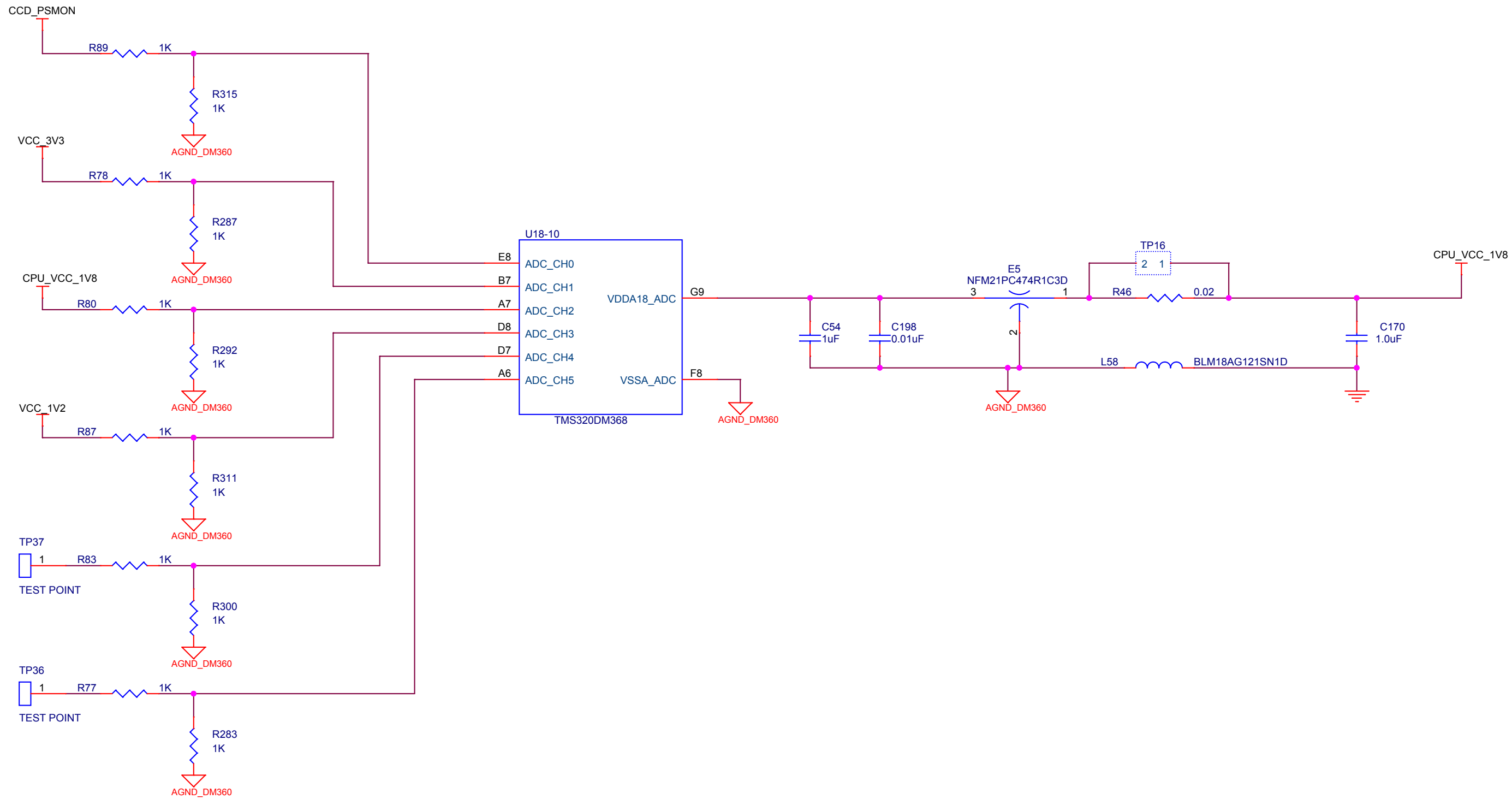
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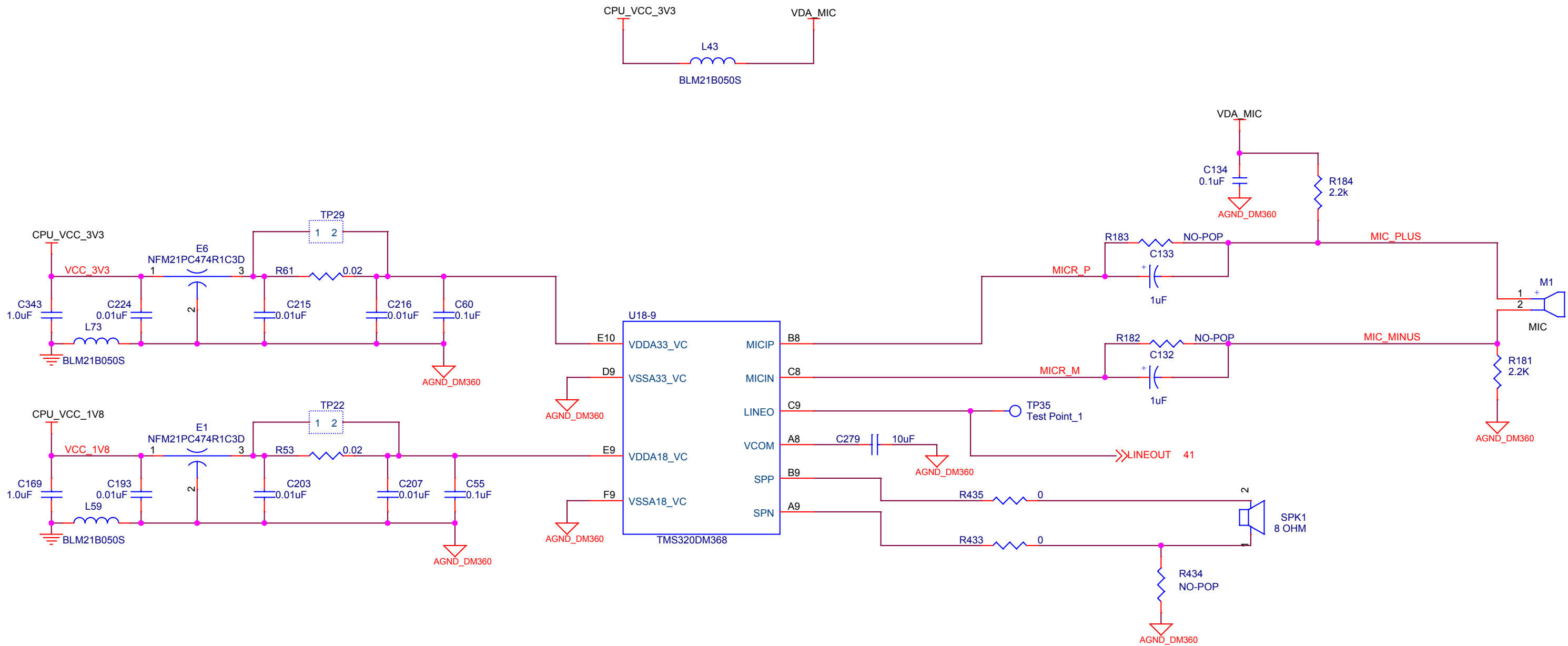
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Size:B	DWG NO	FY161165000101	Revision: A
Date:	Thursday, September 29, 2016	Sheet 9 of	53



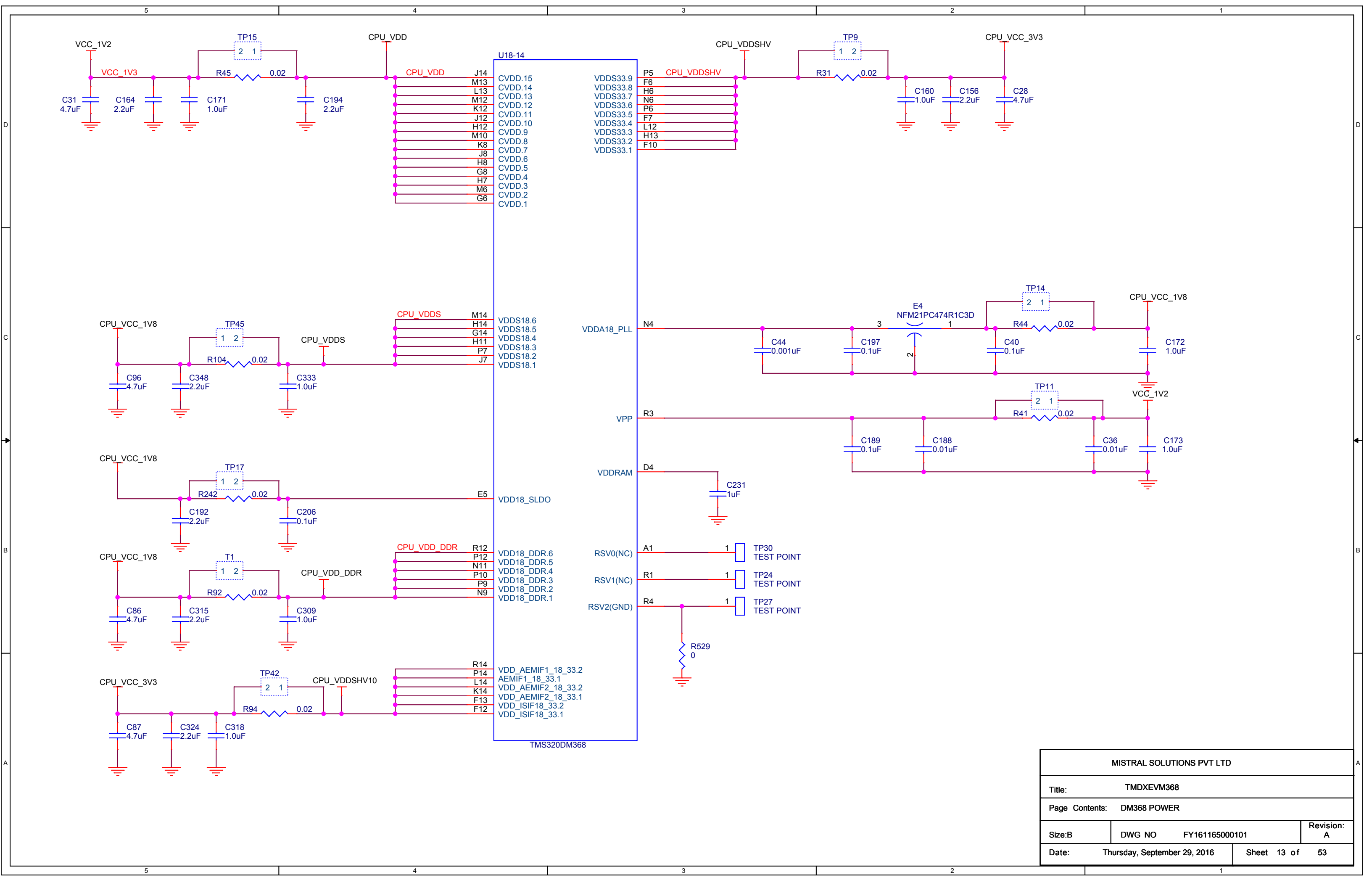
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Page Contents: DM368 JTAG,RESET,CLOCKS			
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Date:	Thursday, September 29, 2016	Sheet 10 of	53



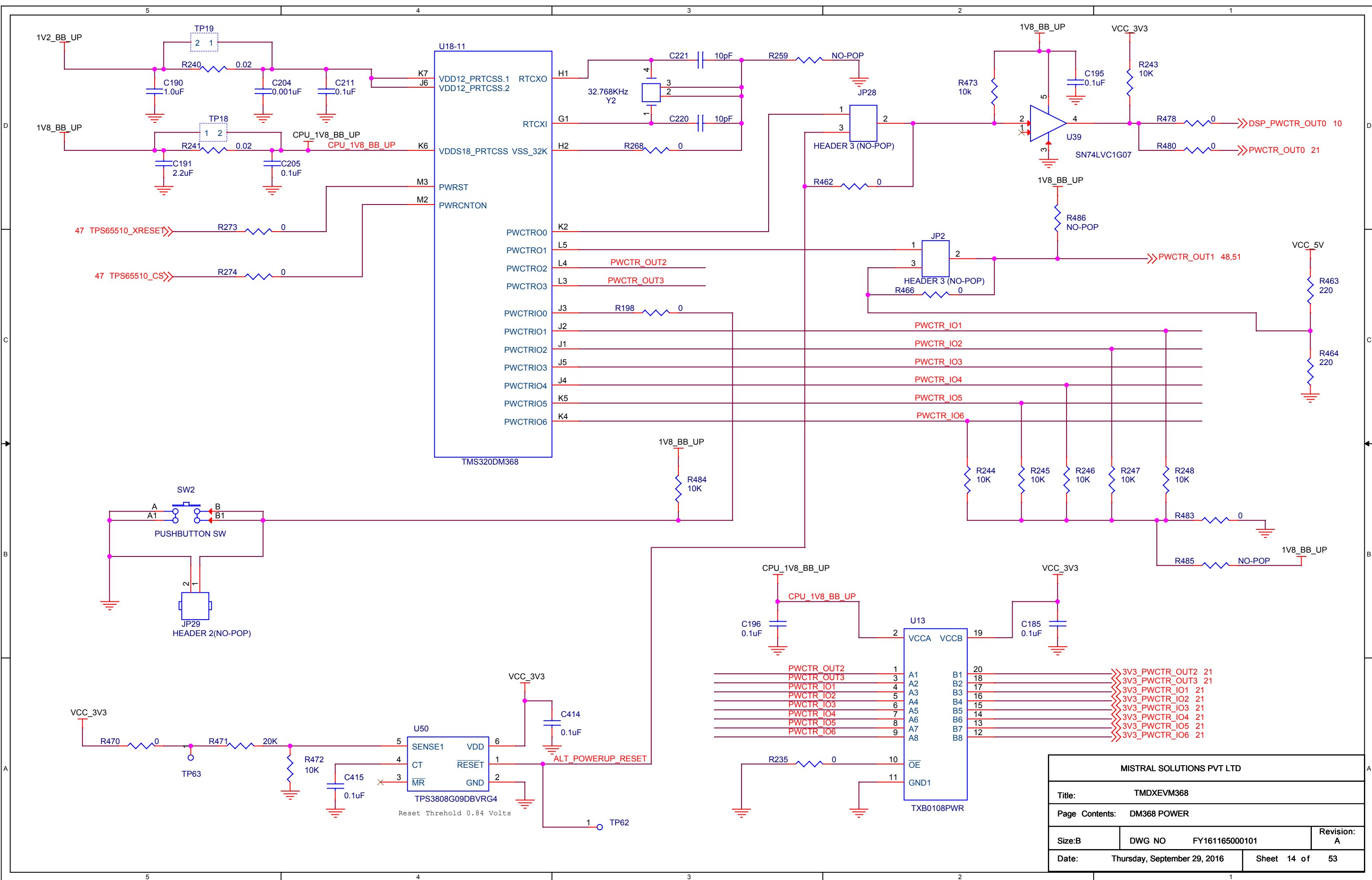
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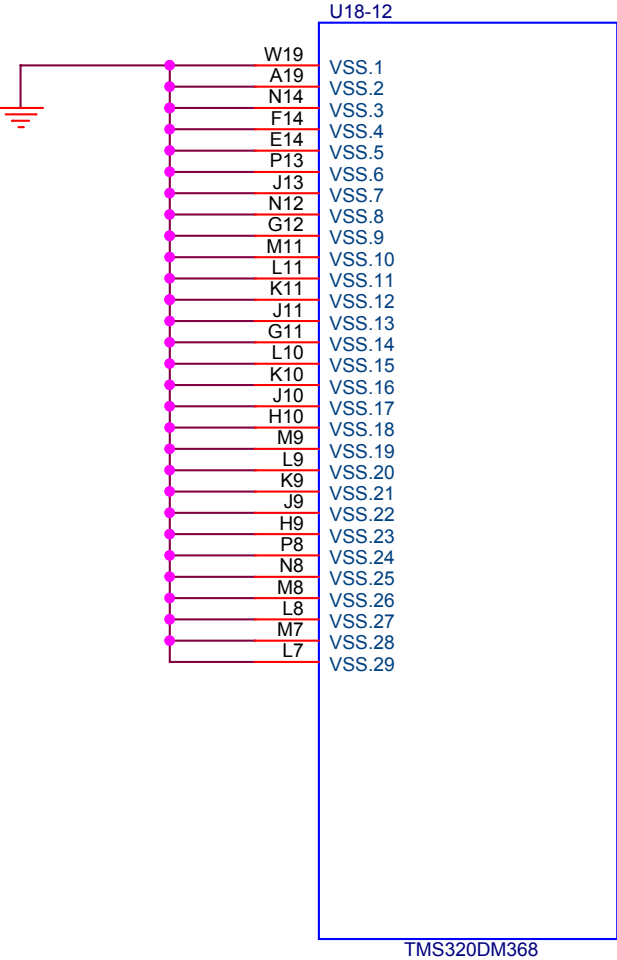
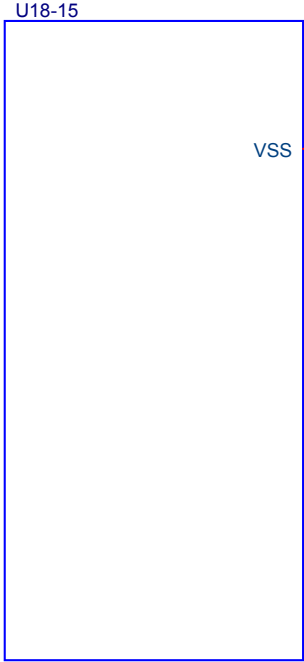


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Date:	Monday, September 26, 2016		Sheet 12 of 53

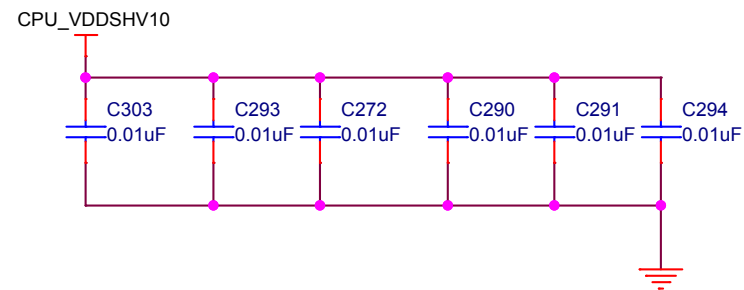
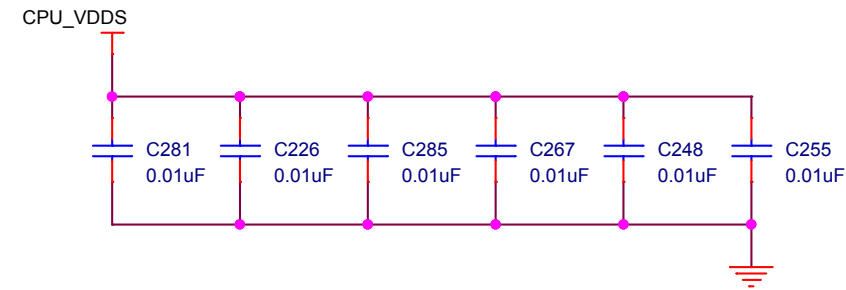
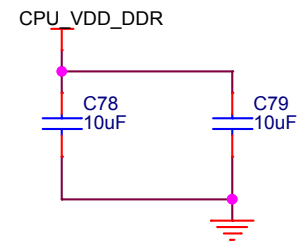
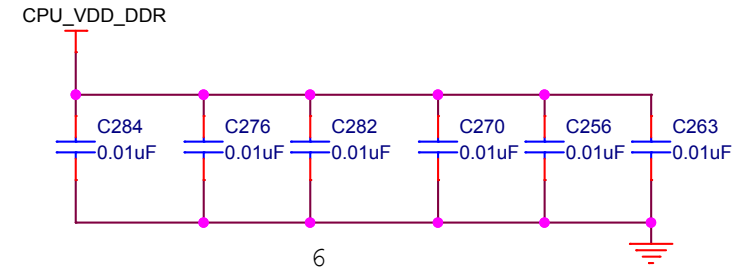
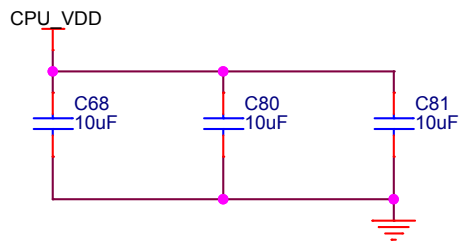
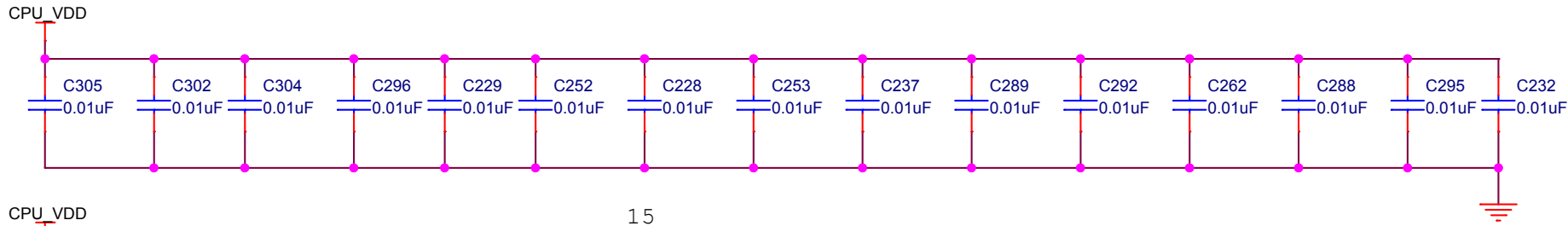


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Date:	Thursday, September 29, 2016	Sheet 13 of	53

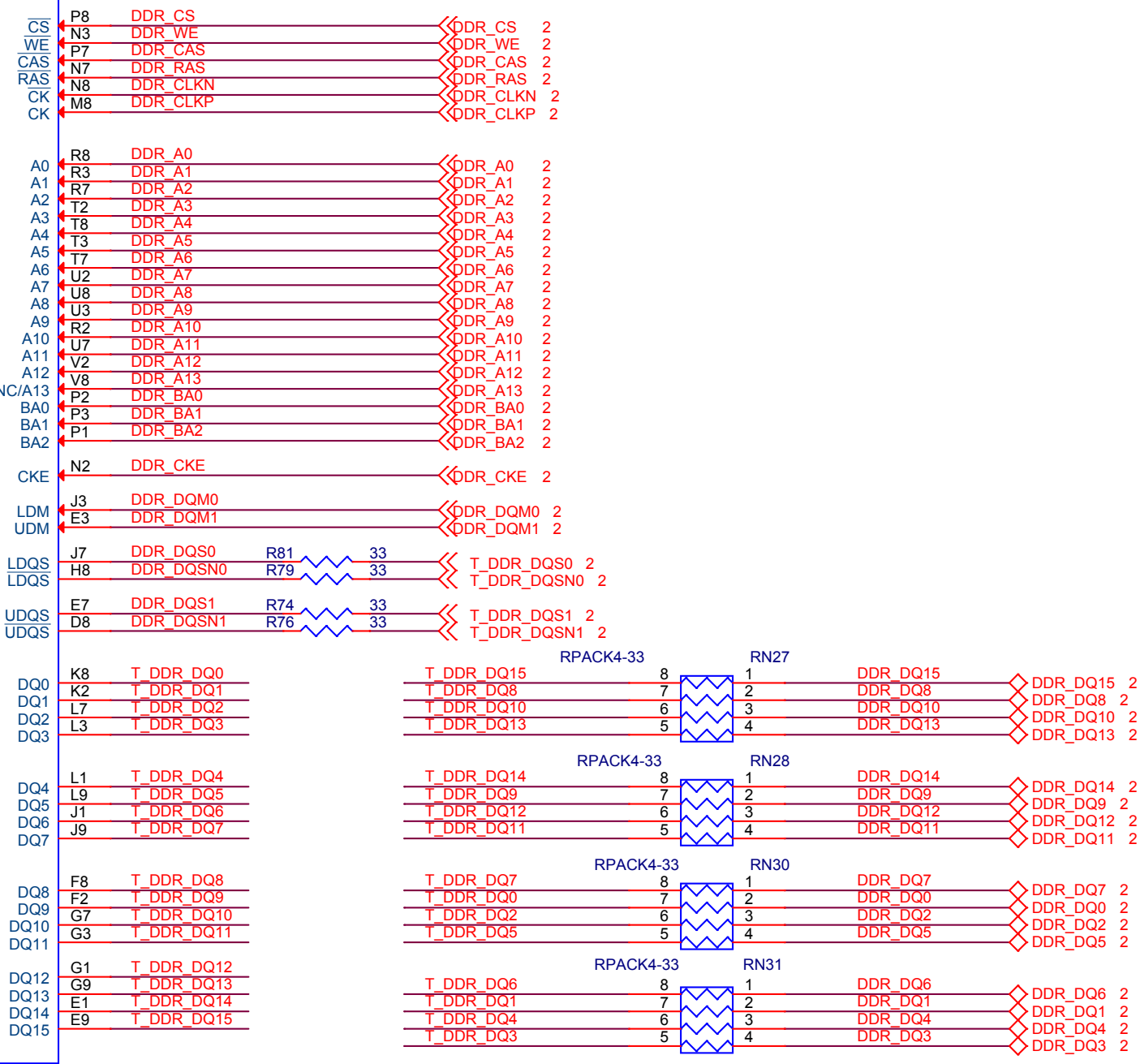
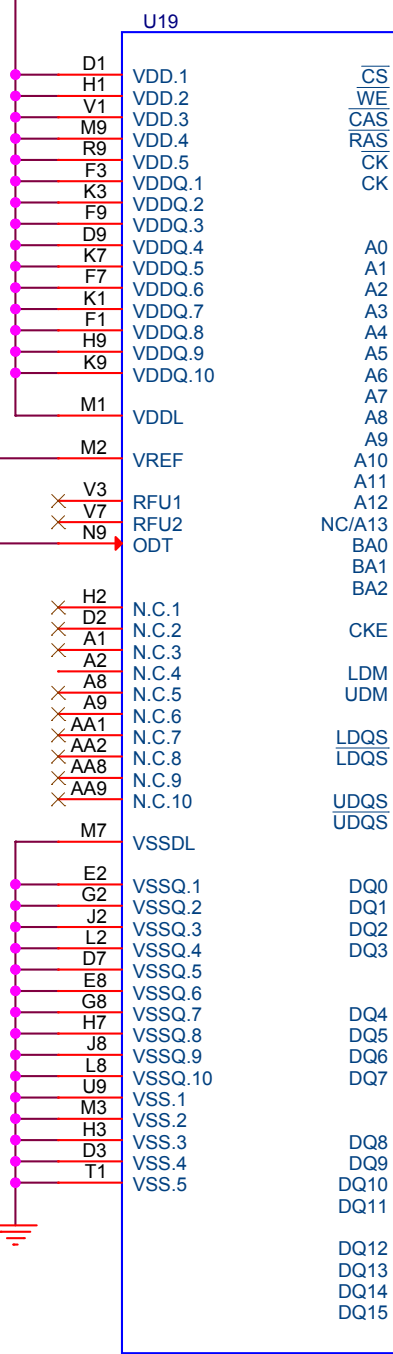
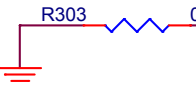
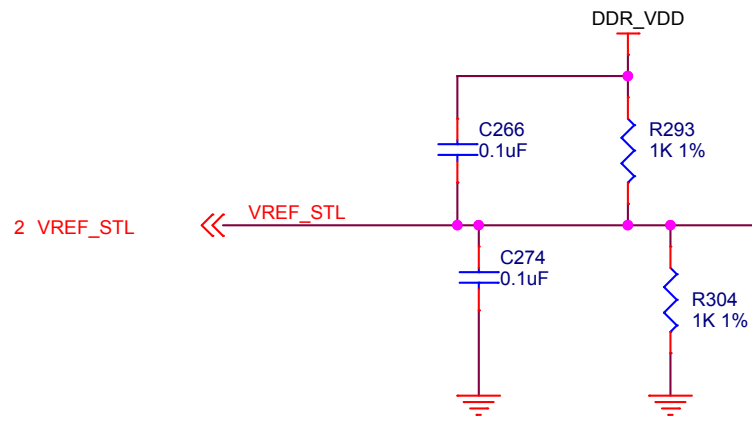
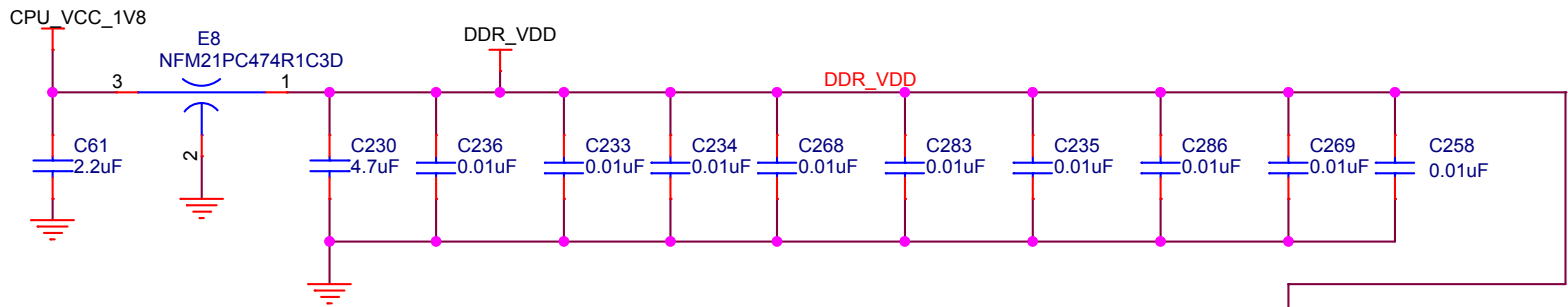




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Date:	Monday, September 26, 2016	Sheet 15 of	53



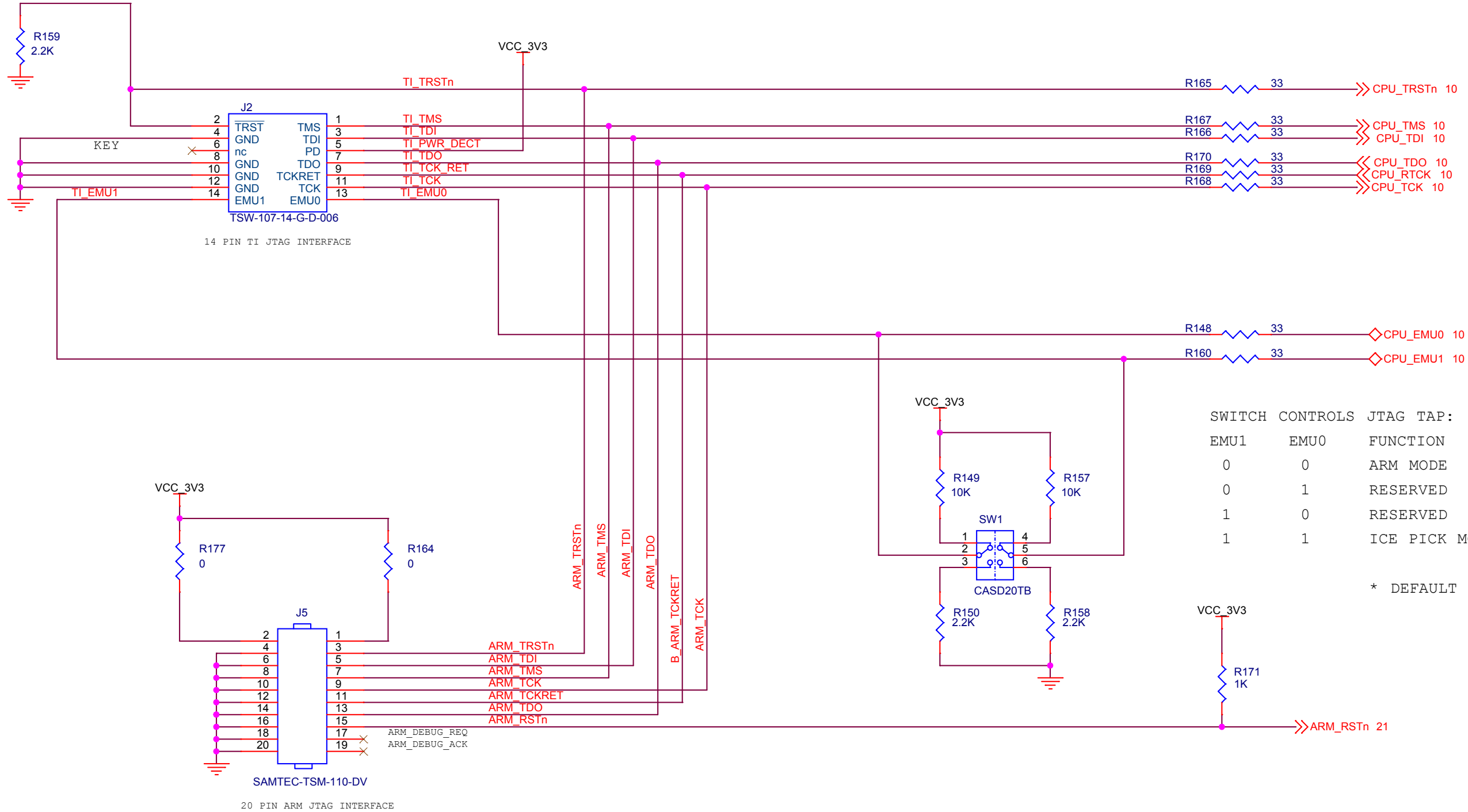
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Date:	Thursday, September 29, 2016	Sheet 16 of	53



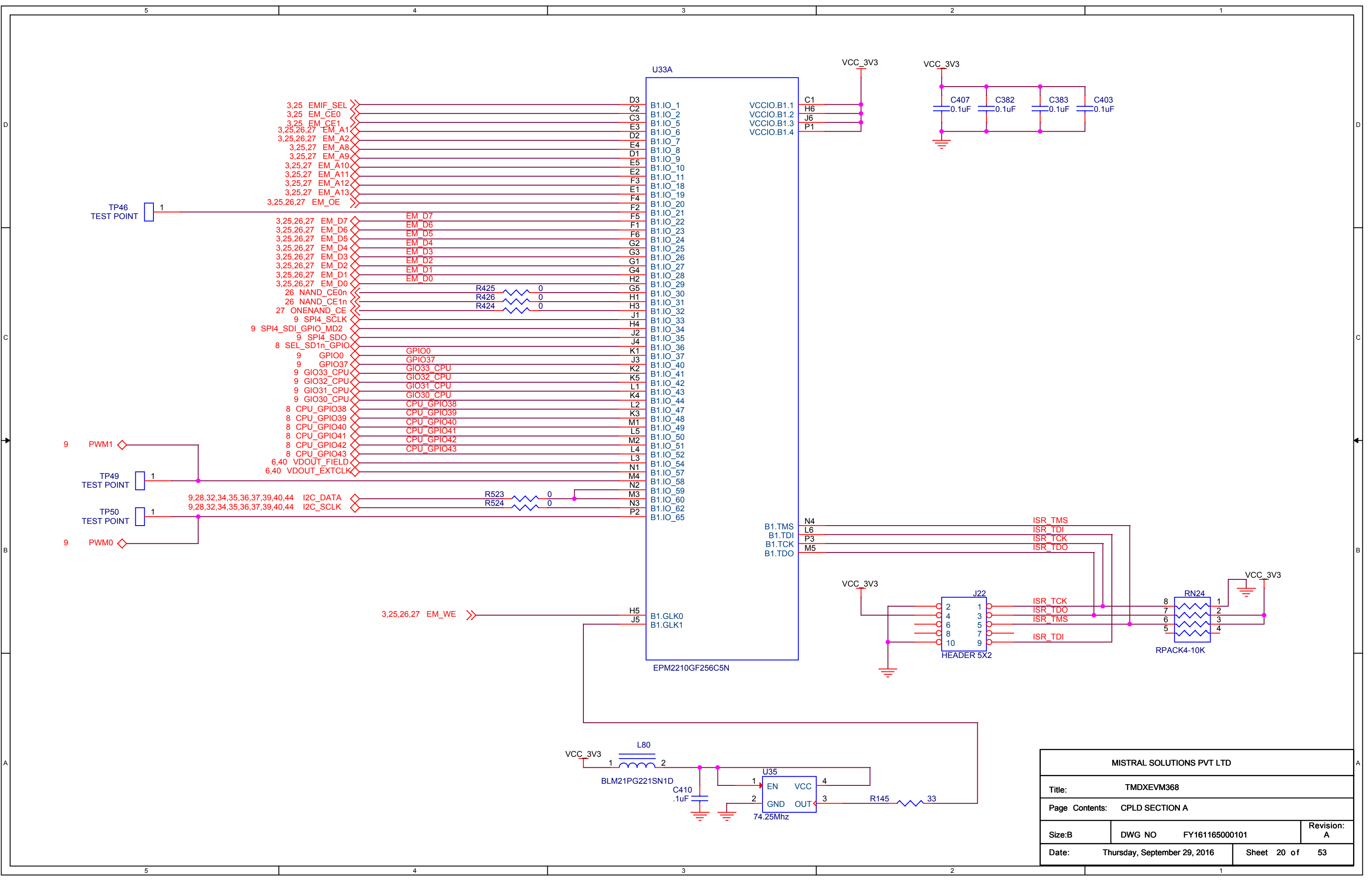
Layout for the 92-ball DDR Package but populate the 84-ball MT47H64M16HR-3:E. 84 Ball memories reside in the center section of the 92 Ball Package

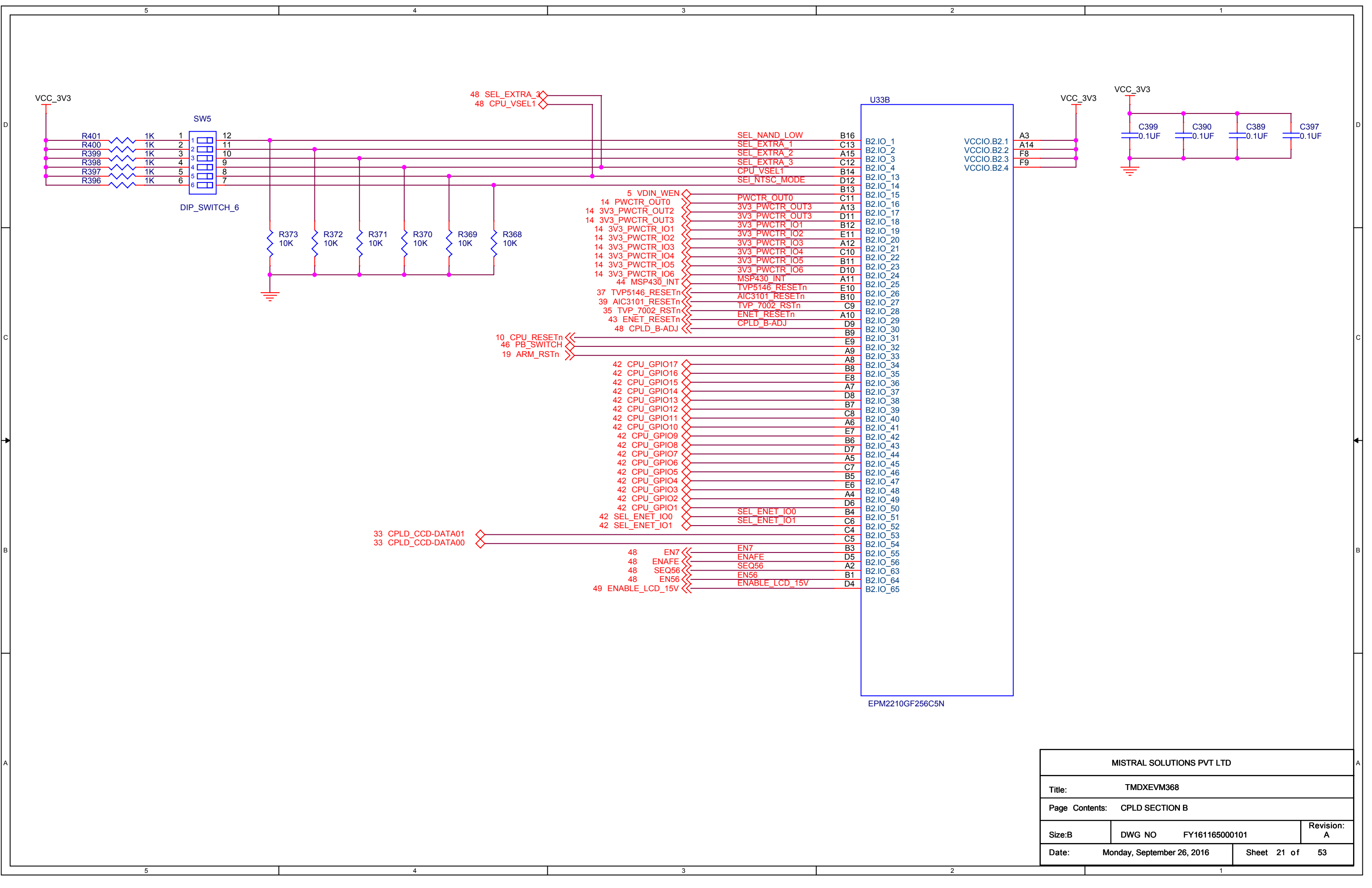
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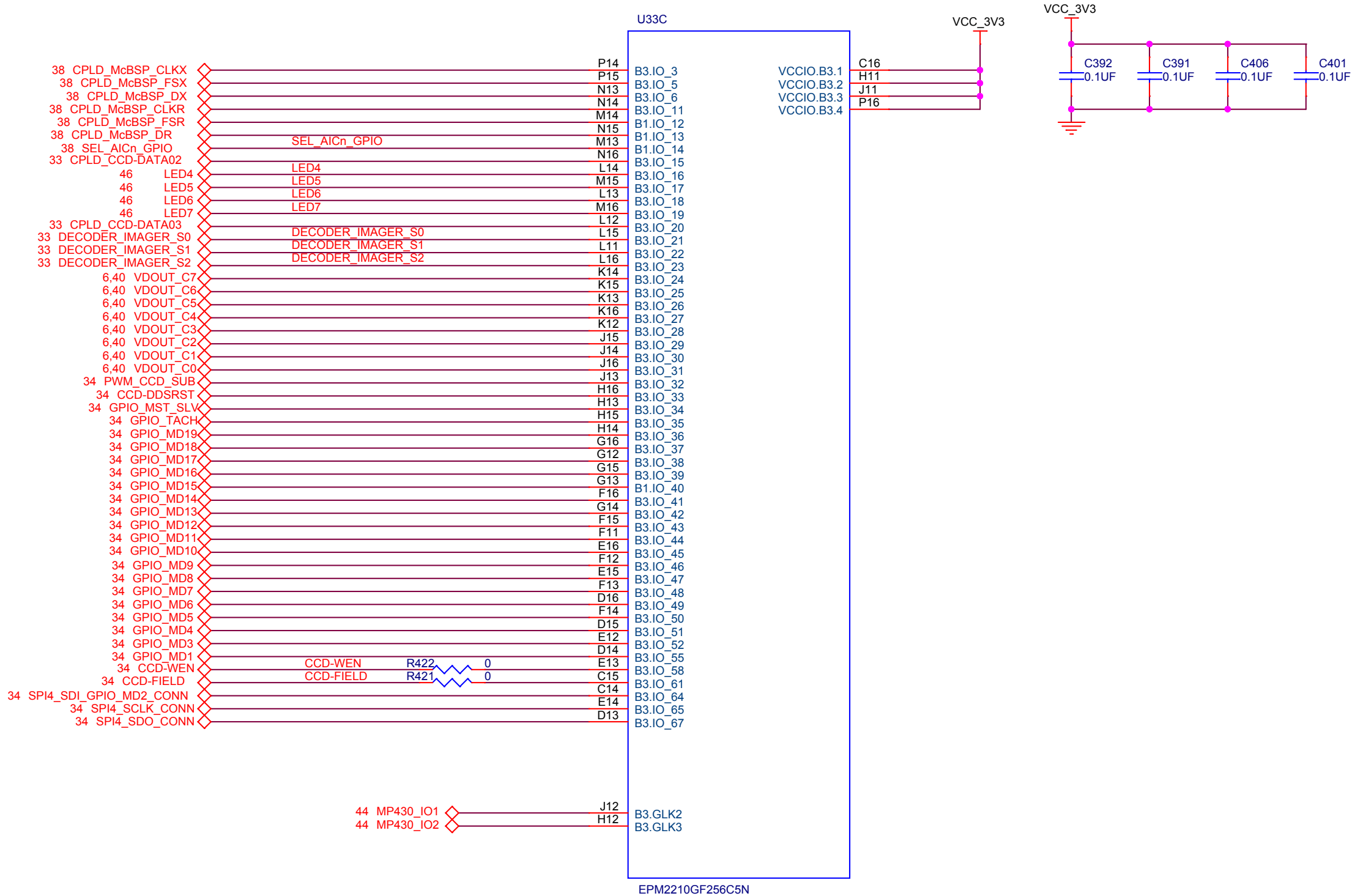
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Date:	Thursday, September 29, 2016	Sheet 17 of	53



MISTRAL SOLUTIONS PVT LTD			
Title: TMDXEVM368			
Page Contents: JTAG INTERFACE			
Size:B	DWG NO	FY161165000101	Revision: A
Date:	Monday, September 26, 2016		Sheet 19 of 53







MISTRAL SOLUTIONS PVT LTD			
Title: TMDXEVM368			
Page Contents: CPLD SECTION C			
Size:B	DWG NO	FY161165000101	Revision: A
Date:	Monday, September 26, 2016		Sheet 22 of 53

TP48
TEST POINT



1

TP47
TEST POINT



1

18	USB_OVER_CURRENT	USB_OVER_CURRENT	R1
18	DRV_VBUS	DRV_VBUS	P4
40	LCD_OE_5V	LCD_OE_5V	T2
49	ENABLE_LCD_3V3	ENABLE_LCD_3V3	P5
27	ONENAND_INT	ONENAND_INT	R3
27	ONENAND_RST	ONENAND_RST	N5
40	R1_GPIO33		R4
40	R0_GPIO32		P6
40	G1_GPIO30		T4
46	LED0	LED0	N6
46	LED1	LED1	R5
46	LED2	LED2	M6
46	LED3	LED3	T5
3	EMIF_KEYPAD	EMIF_KEYPAD	P7
	MS.INS		R6
30	SD/MMC.INS	SD/MMC.INS	T6
	SD/MMC.WP		M7
31	SD/MMC1.WP	SD/MMC1.WP	R7
31	SD/MMC1.INS	SD/MMC1.INS	P8
40	CPLD.CONN_RESETn	CPLD.CONN_RESETn	T7
40	CPLD.CONN_GPIO6	CPLD.CONN_GPIO6	N8
40	CPLD.CONN_GPIO16	CPLD.CONN_GPIO16	R8
40	CPLD.CONN_GPIO54	CPLD.CONN_GPIO54	N9
40	CPLD.CONN_GPIO65	CPLD.CONN_GPIO65	T8
40	CPLD.CONN_GPIO63	CPLD.CONN_GPIO63	T9
40	CPLD.CONN_GPIO62	CPLD.CONN_GPIO62	R9
40	CPLD.CONN_GPIO60	CPLD.CONN_GPIO60	P9
40	CPLD.CONN_GPIO58	CPLD.CONN_GPIO58	T10
40	CPLD.CONN_GPIO56	CPLD.CONN_GPIO56	M10
40	CPLD.CONN_GPIO7	CPLD.CONN_GPIO7	R10
40	CPLD.CONN_GPIO17	CPLD.CONN_GPIO17	N10
40	CPLD.CONN_GPIO67	CPLD.CONN_GPIO67	T11
40	CPLD.CONN_GPIO31	CPLD.CONN_GPIO31	P10
40	CPLD.CONN_GPIO64	CPLD.CONN_GPIO64	R11
40	CPLD.CONN_GPIO61	CPLD.CONN_GPIO61	M11
40	CPLD.CONN_GPIO59	CPLD.CONN_GPIO59	T12
40	CPLD.CONN_GPIO57	CPLD.CONN_GPIO57	N11
40	CPLD.CONN_GPIO32	CPLD.CONN_GPIO32	R12
41	GIO_DILC_DOCK_DET	GIO_DILC_DOCK_DET	P11
41	GIO_DILC_CAM_PWR_DET	GIO_DILC_CAM_PWR_DET	T13
41	SPI2_SCLK_DILC	SPI2_SCLK_DILC	M12
41	SPI2_SDO_DILC	SPI2_SDO_DILC	R13
41	SPI2_SDI_DILC	SPI2_SDI_DILC	N12
41	GIO_DILC_AVJDET	GIO_DILC_AVJDET	R14
41	GIO_DILC_CHG_CTL	GIO_DILC_CHG_CTL	P12
41	GIO_DILC_DRV_VBUS1	GIO_DILC_DRV_VBUS1	T15
41	GIO_DILC_VBUS_DET	GIO_DILC_VBUS_DET	R16
			P13

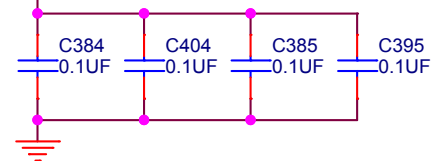
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VCCIO.B4.2
VCCIO.B4.3
VCCIO.B4.4



VCC_3V3

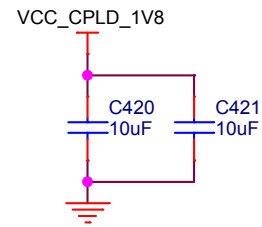
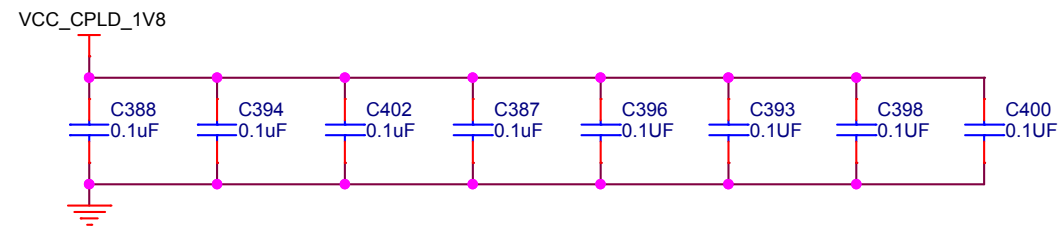
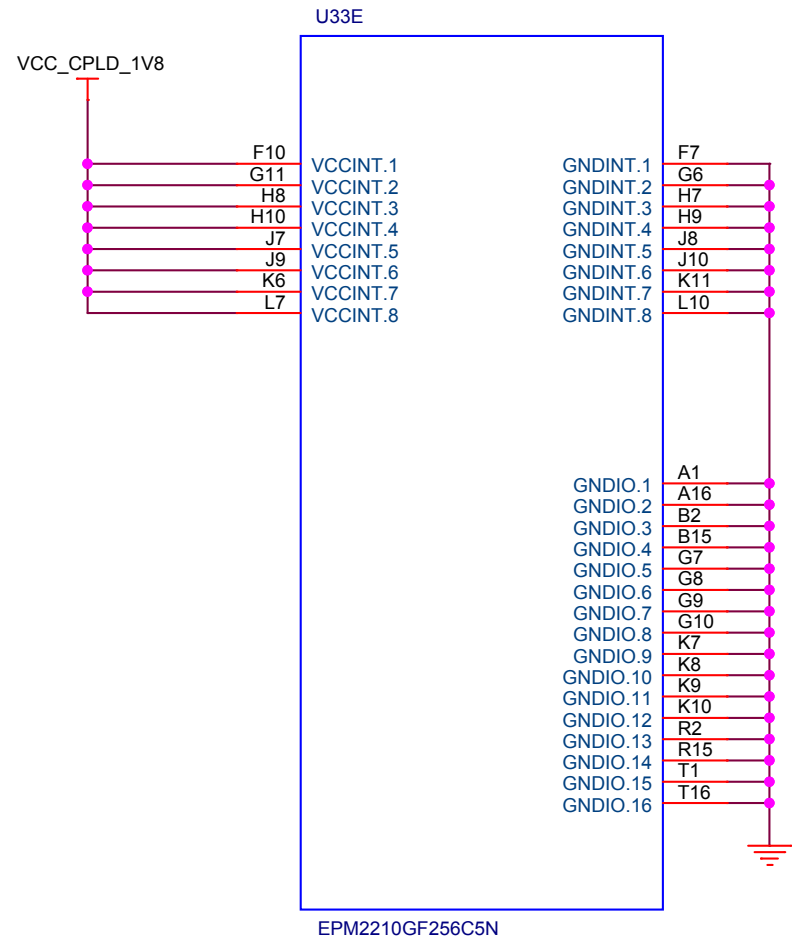
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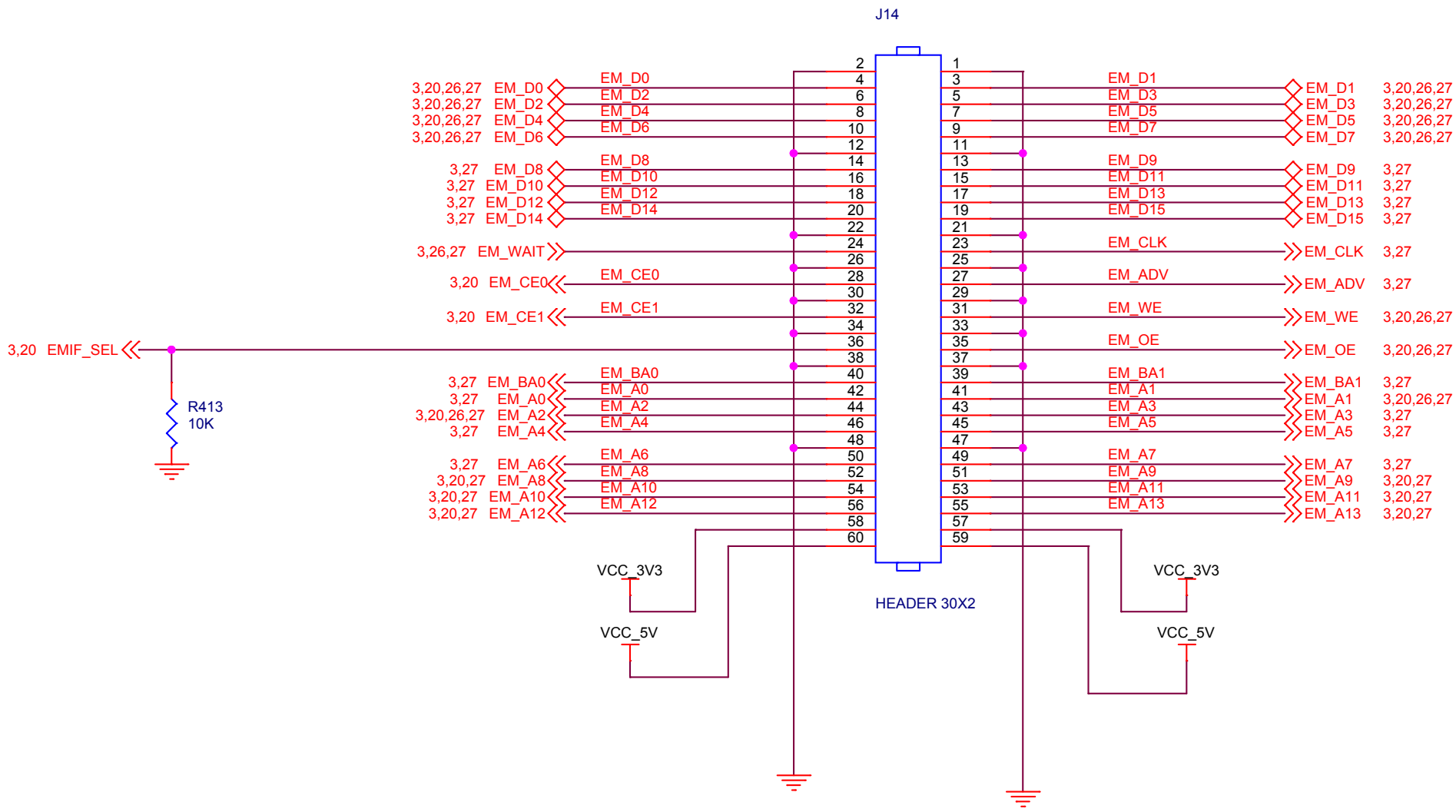
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M8 B4.DEV_OE
M9 B4.DEV_CLRn

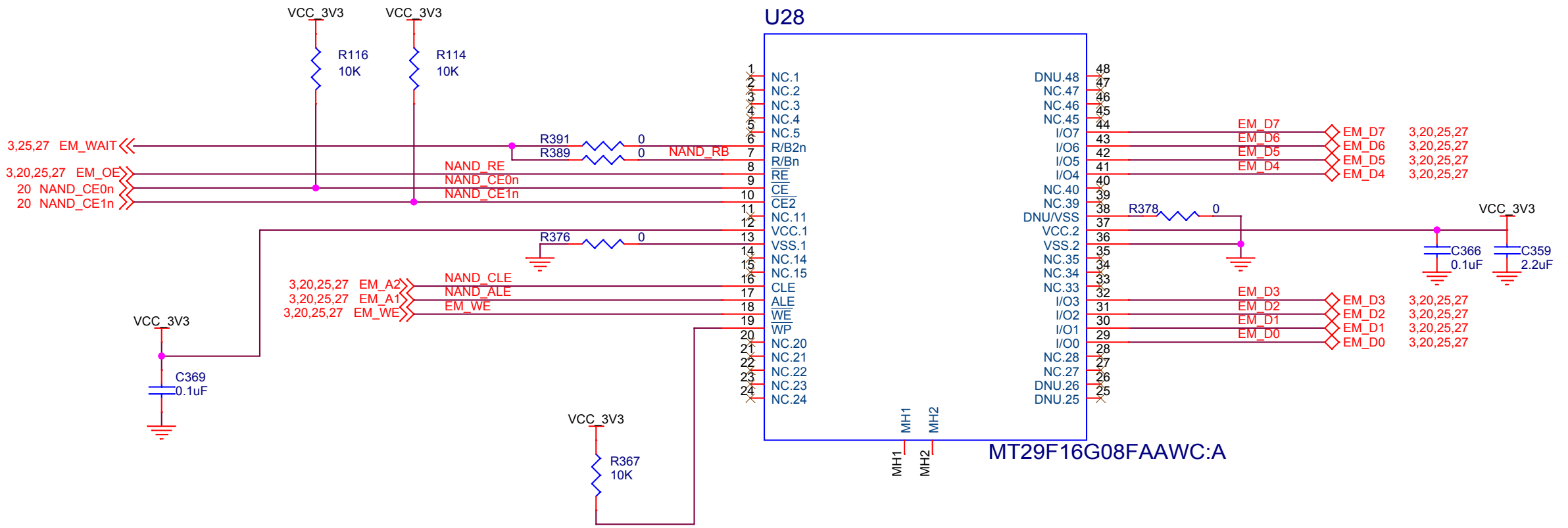
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Date:	Monday, September 26, 2016	Sheet 23 of	53



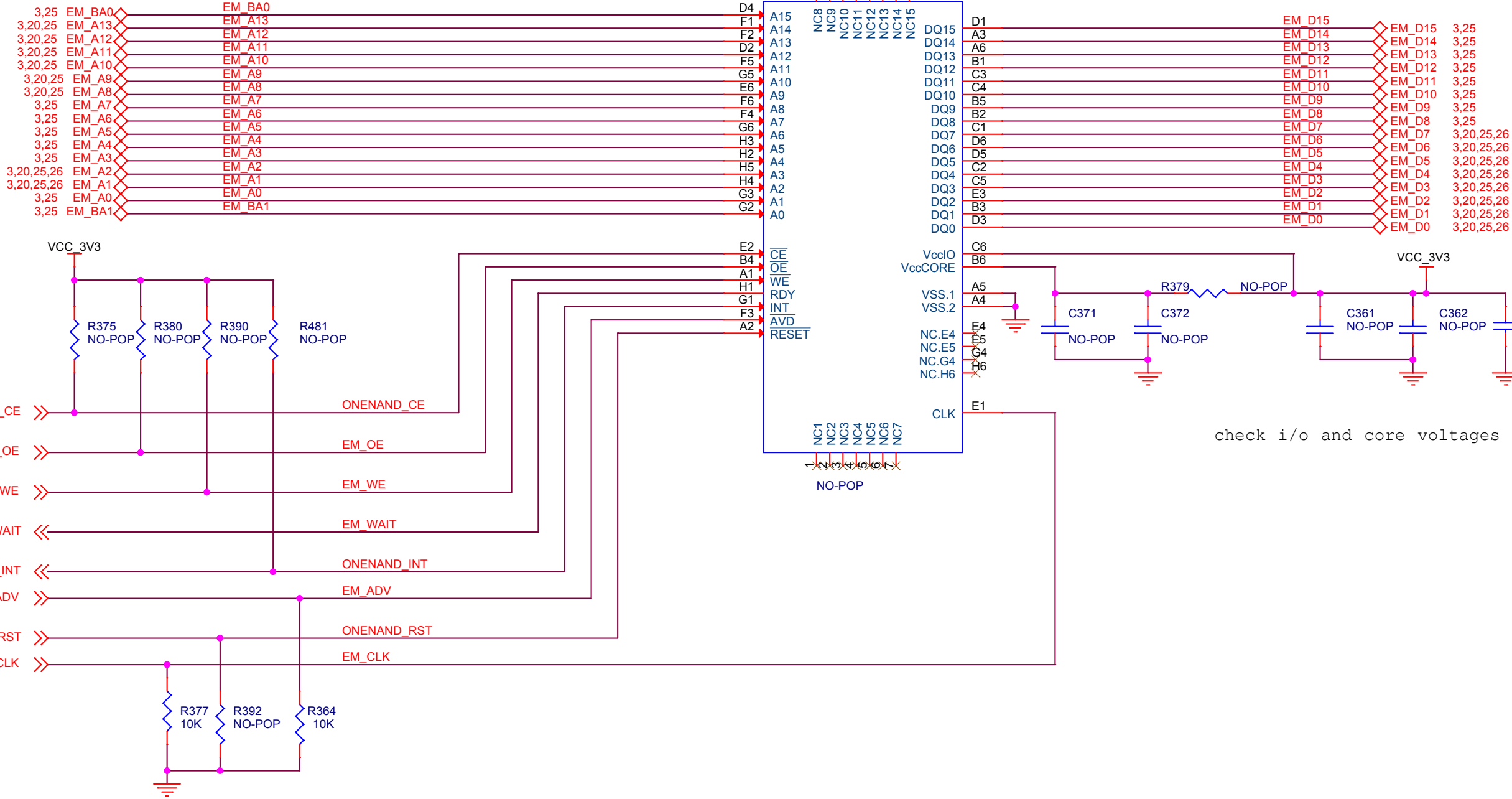
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Size:B	DWG NO	FY161165000101	Revision: A
Date:	Monday, September 26, 2016		Sheet 24 of 53



MISTRAL SOLUTIONS PVT LTD			
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Size:B	DWG NO	FY161165000101	Revision: A
Date:	Monday, September 26, 2016	Sheet 25 of	53

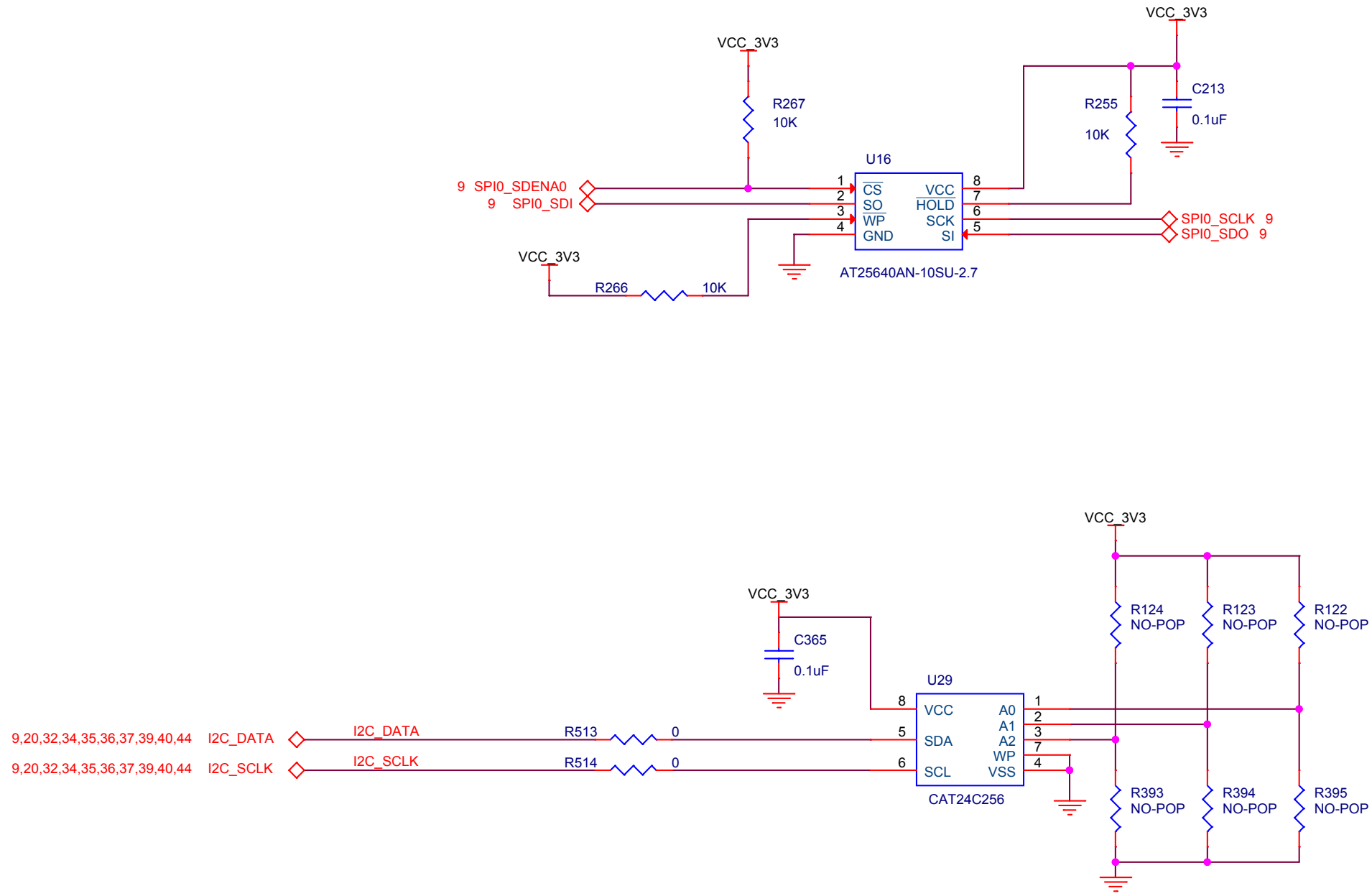


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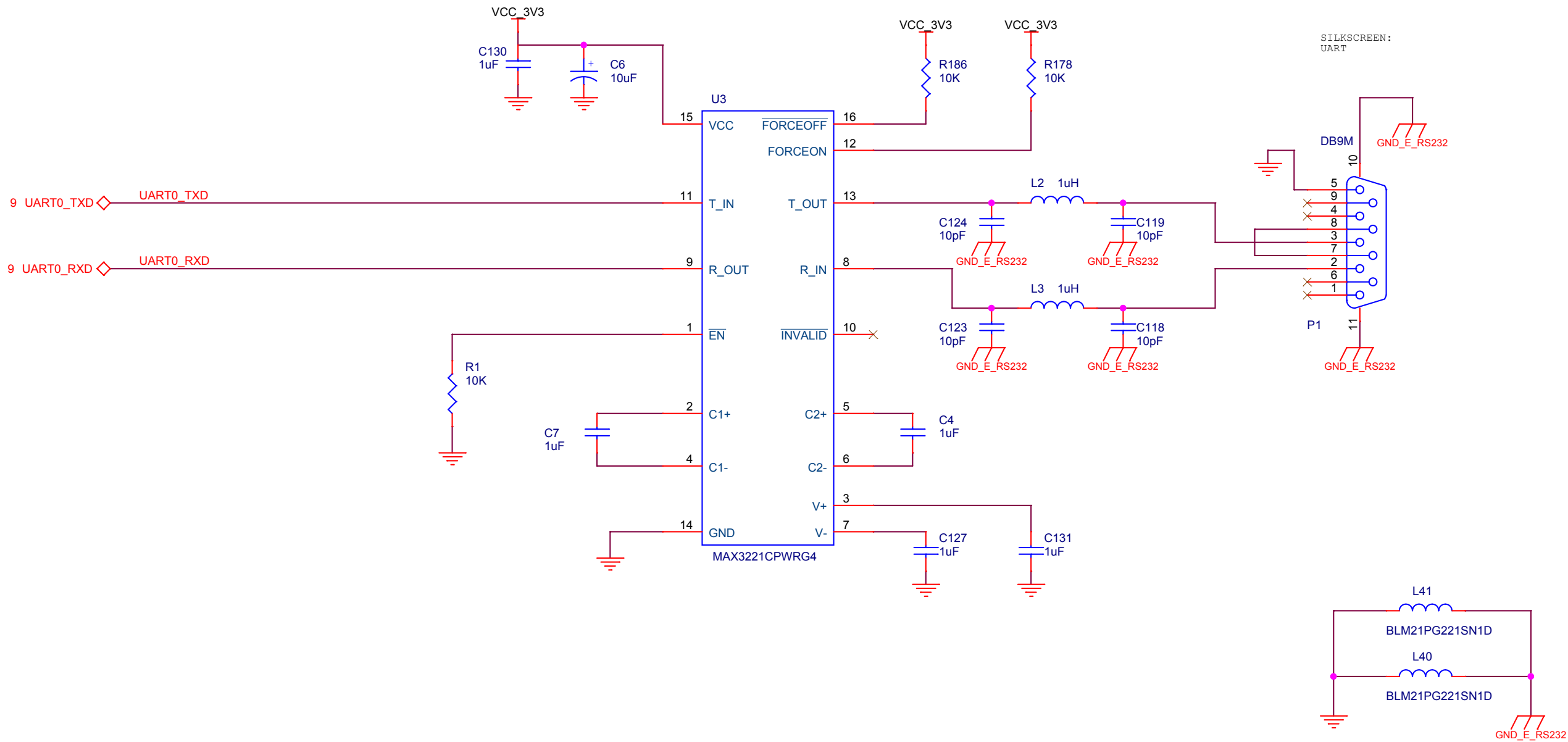


check i/o and core voltages

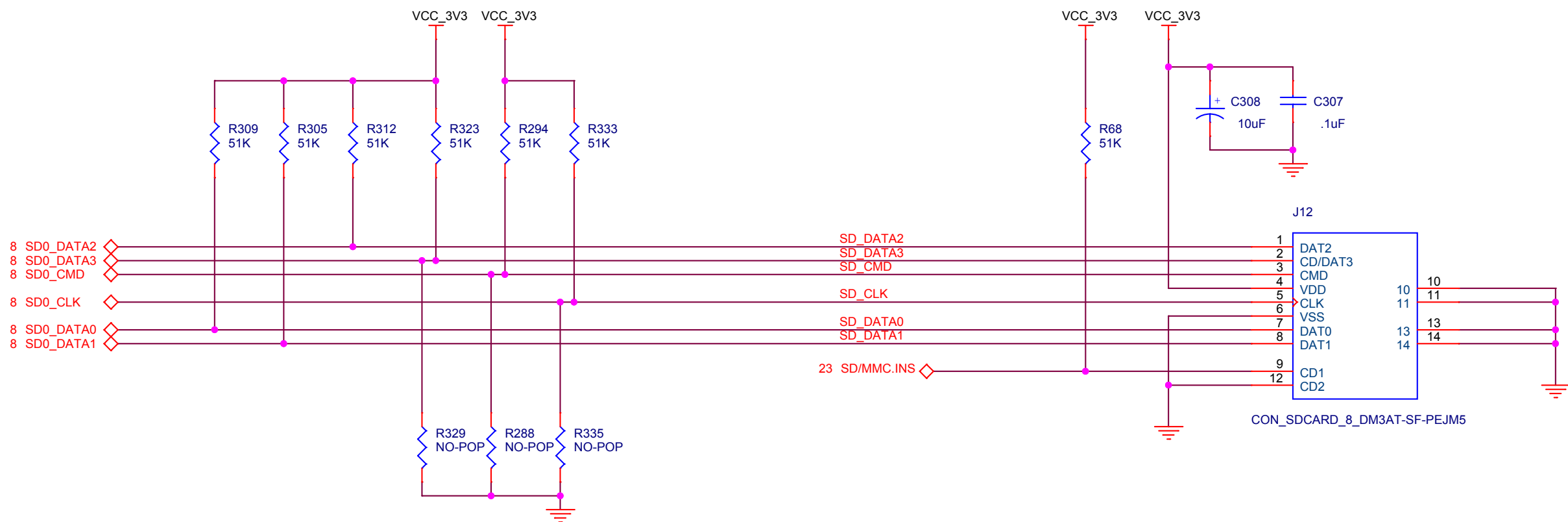
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Date:	Thursday, September 29, 2016	Sheet 27 of	53



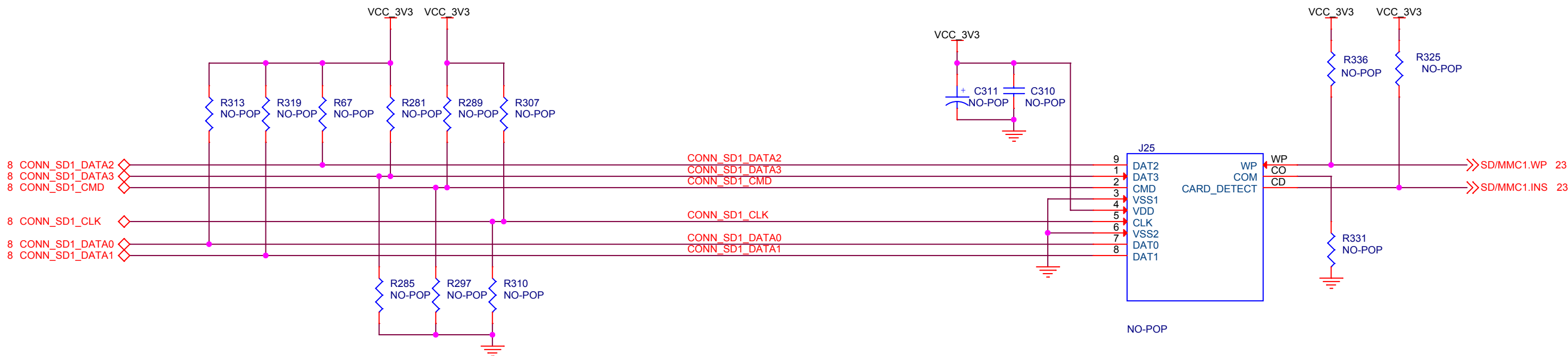
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Date:	Monday, September 26, 2016		Sheet 28 of 53



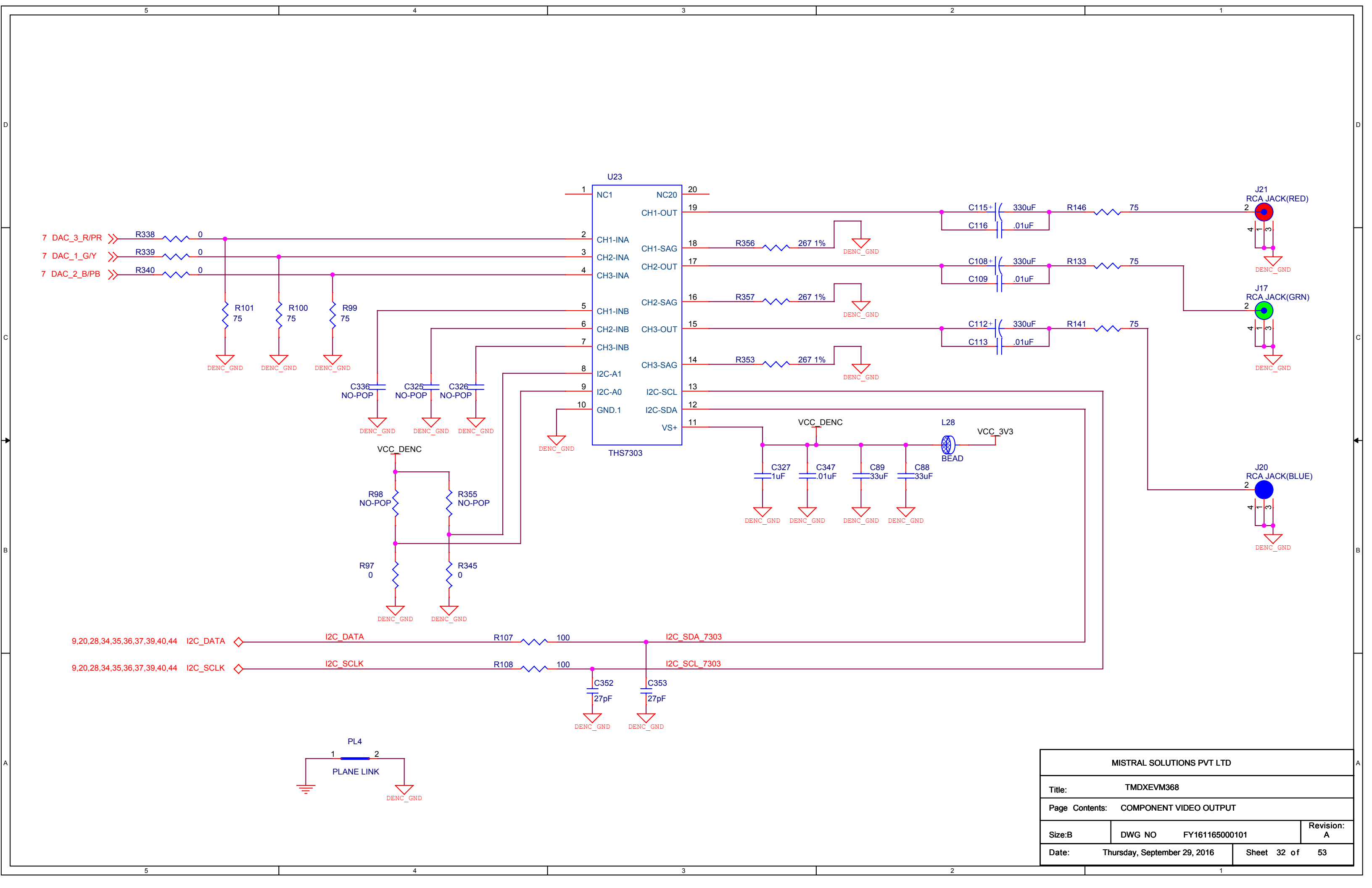
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Date:	Thursday, September 29, 2016	Sheet 29 of	53



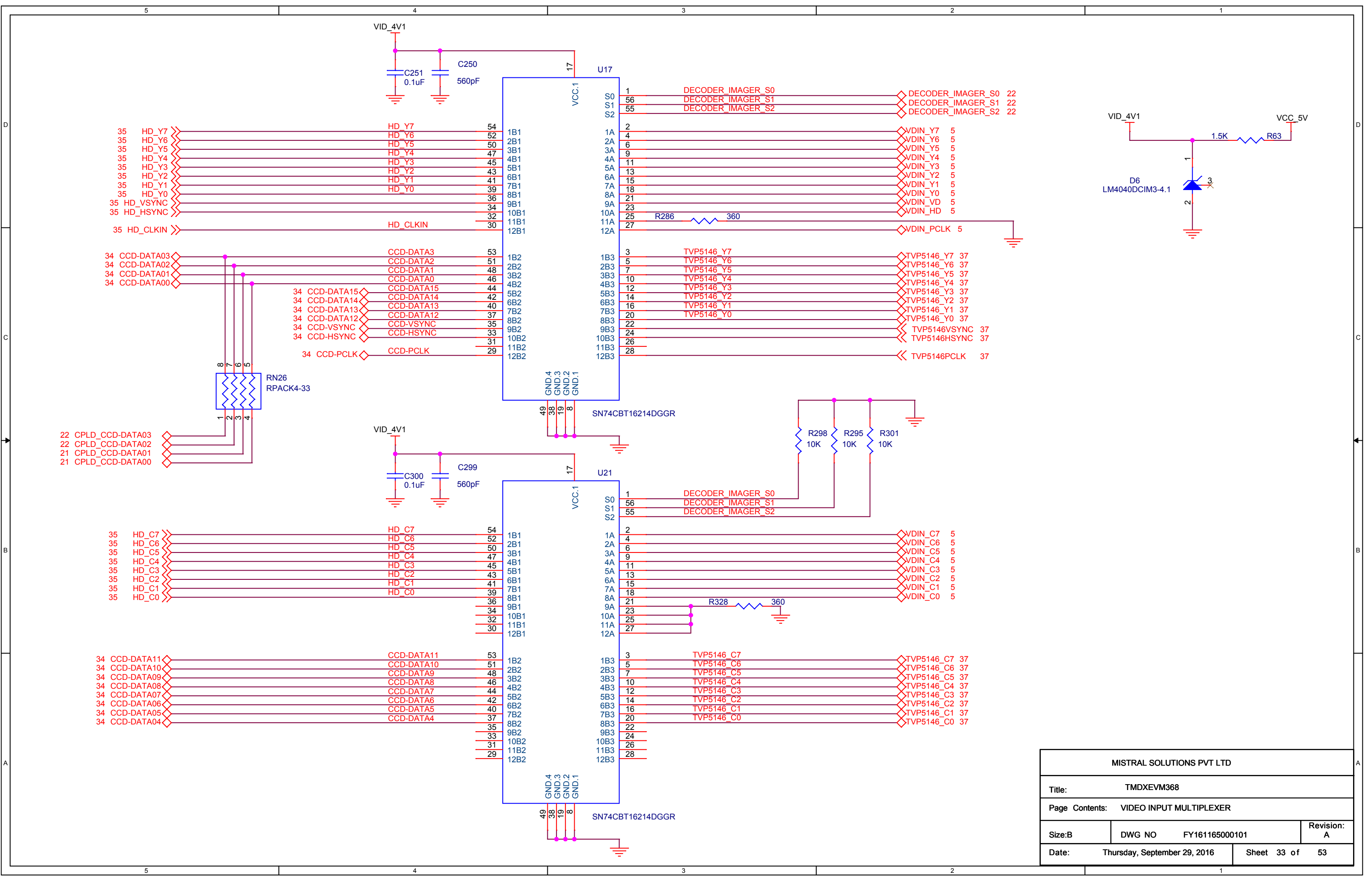
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Date:	Thursday, September 29, 2016	Sheet 30 of	53



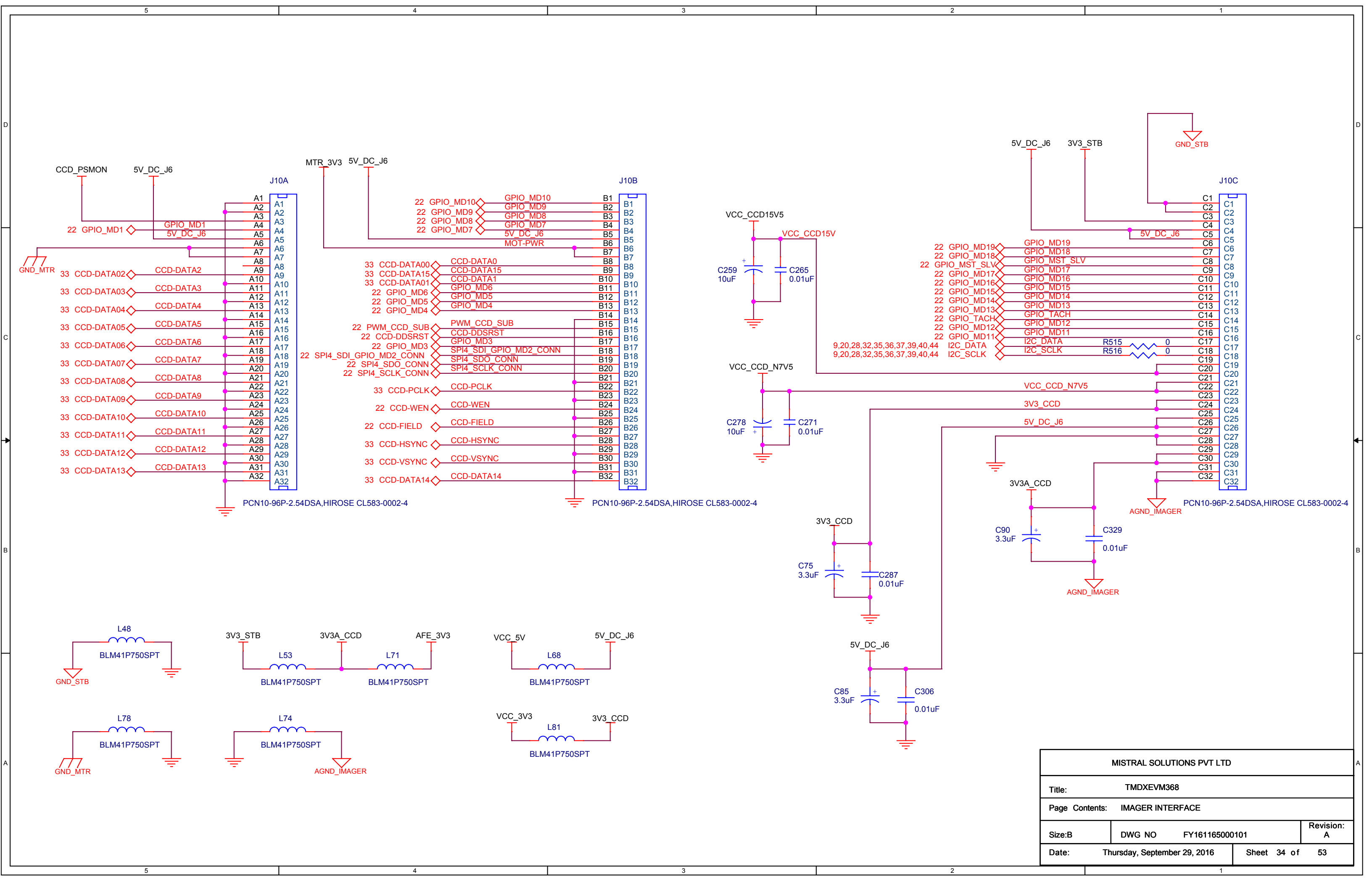
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Date:	Thursday, September 29, 2016	Sheet 31 of	53



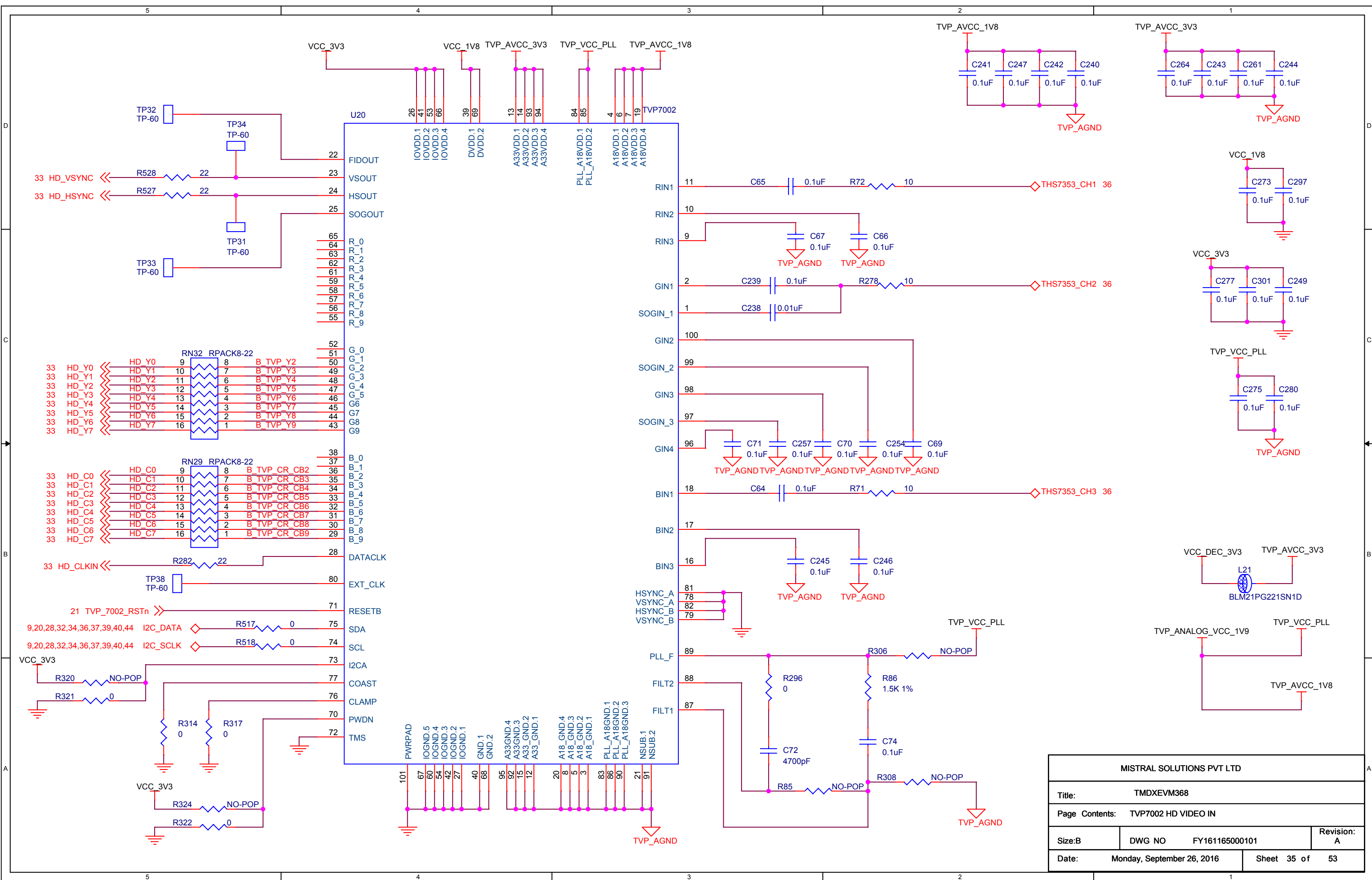
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Date:	Thursday, September 29, 2016	Sheet 32 of	53

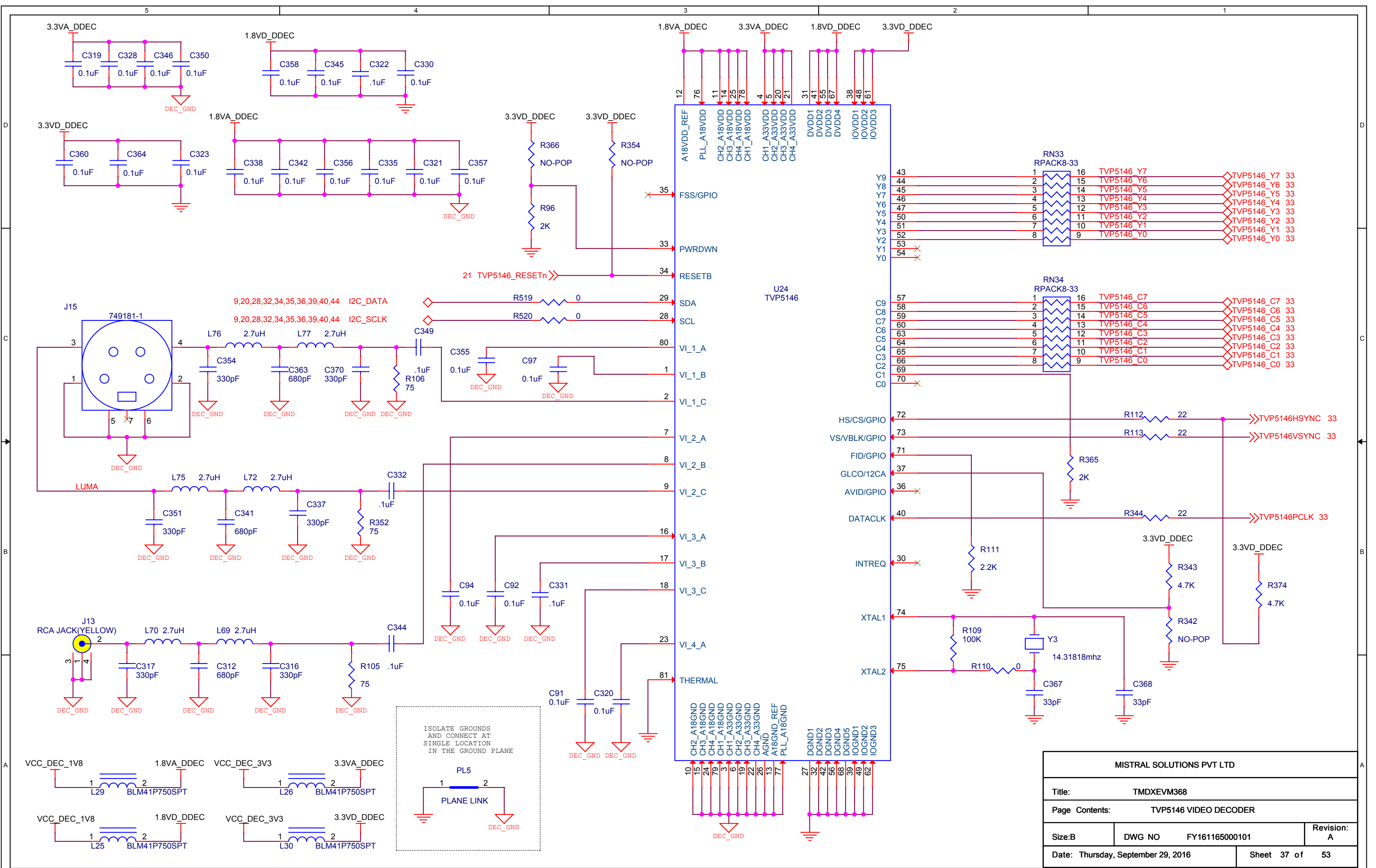


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Date:	Thursday, September 29, 2016	Sheet 33 of	53

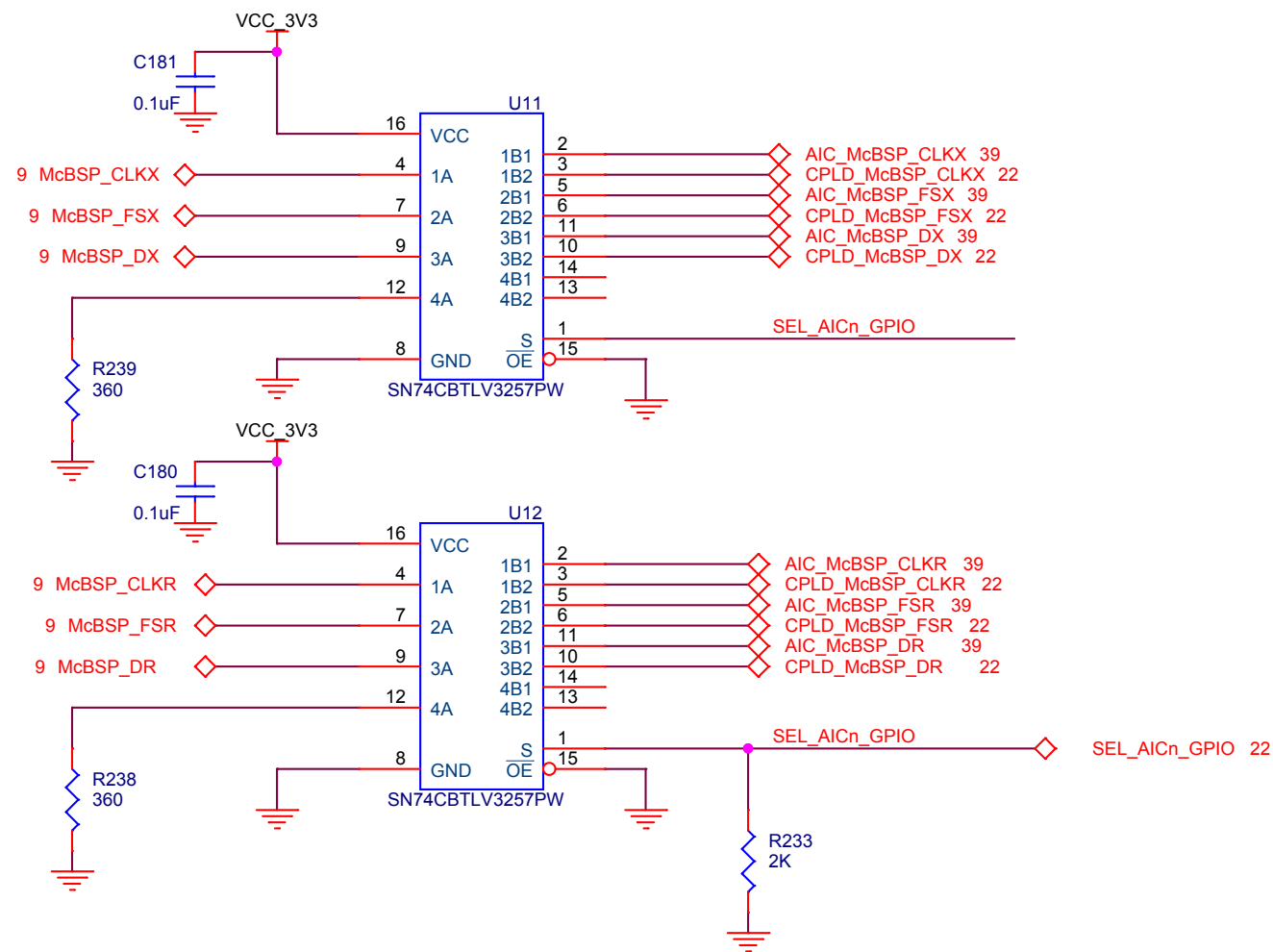


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Size: B	DWG NO	FY161165000101	Revision: A
Date:	Thursday, September 29, 2016	Sheet 34 of	53

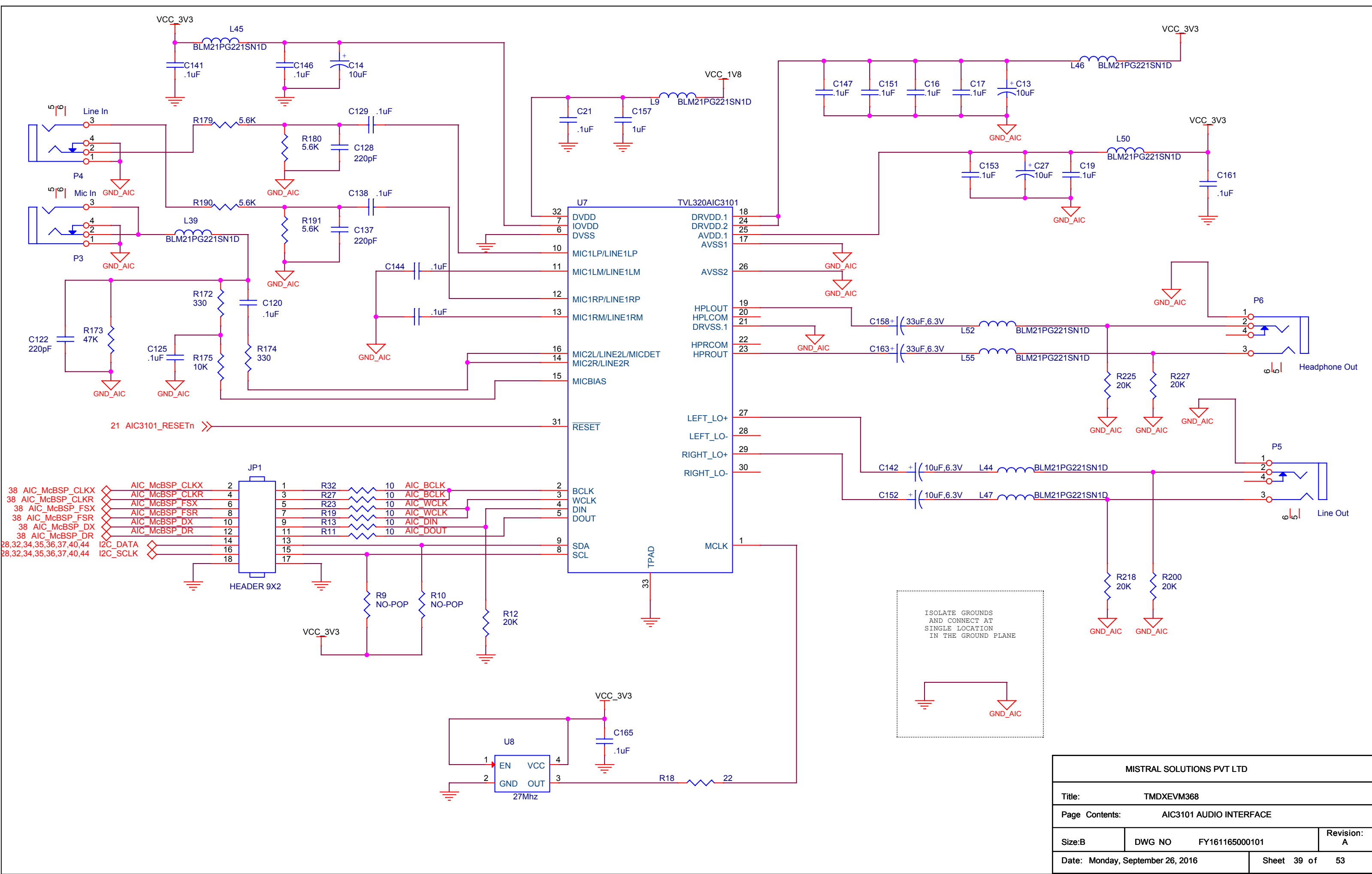




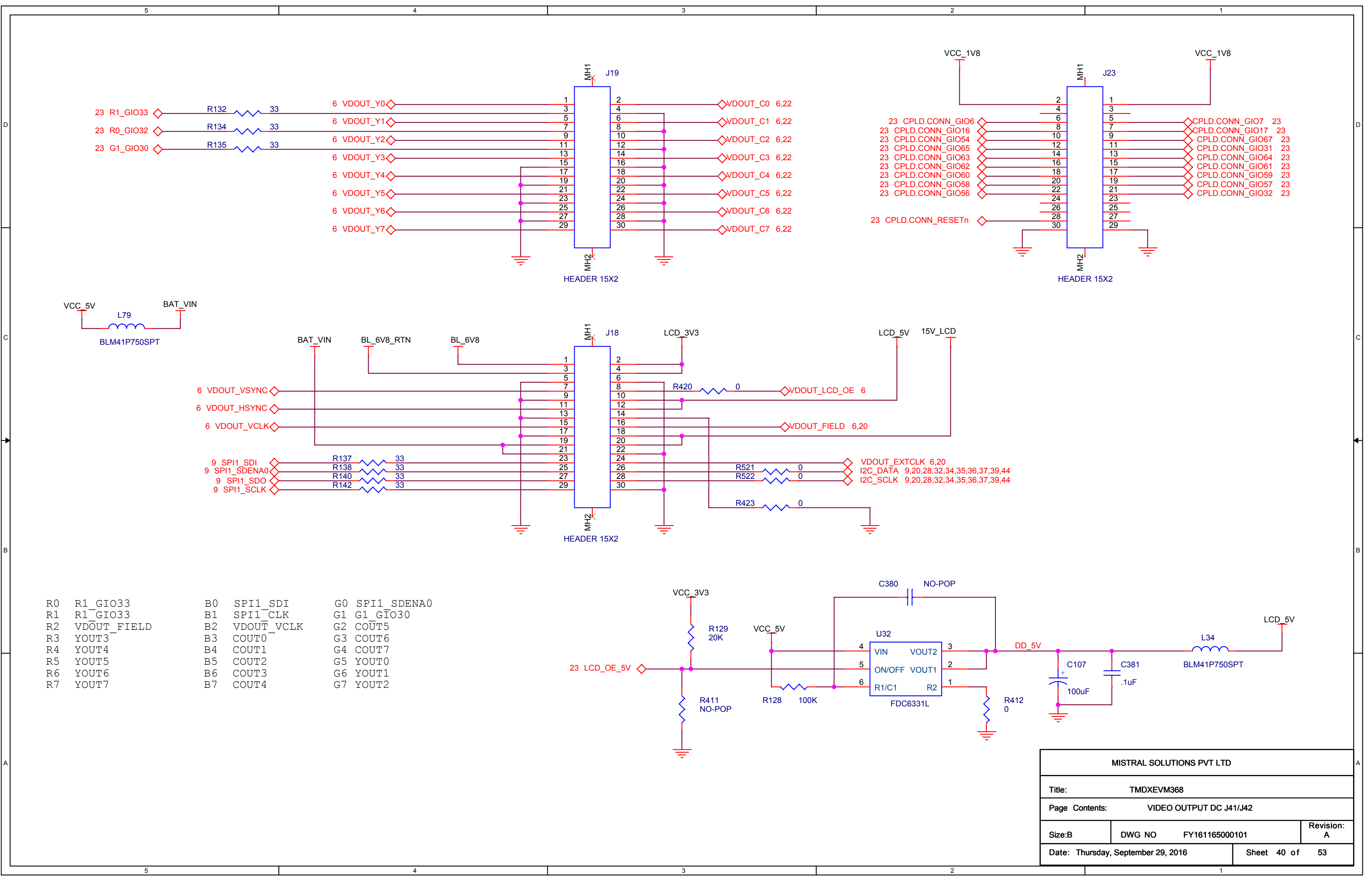
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Title: TMDXEVM368			
Page Contents: TVP5146 VIDEO DECODER			
Size:B	DWG NO	FY161165000101	Revision: A
Date: Thursday, September 29, 2016			Sheet 37 of 53

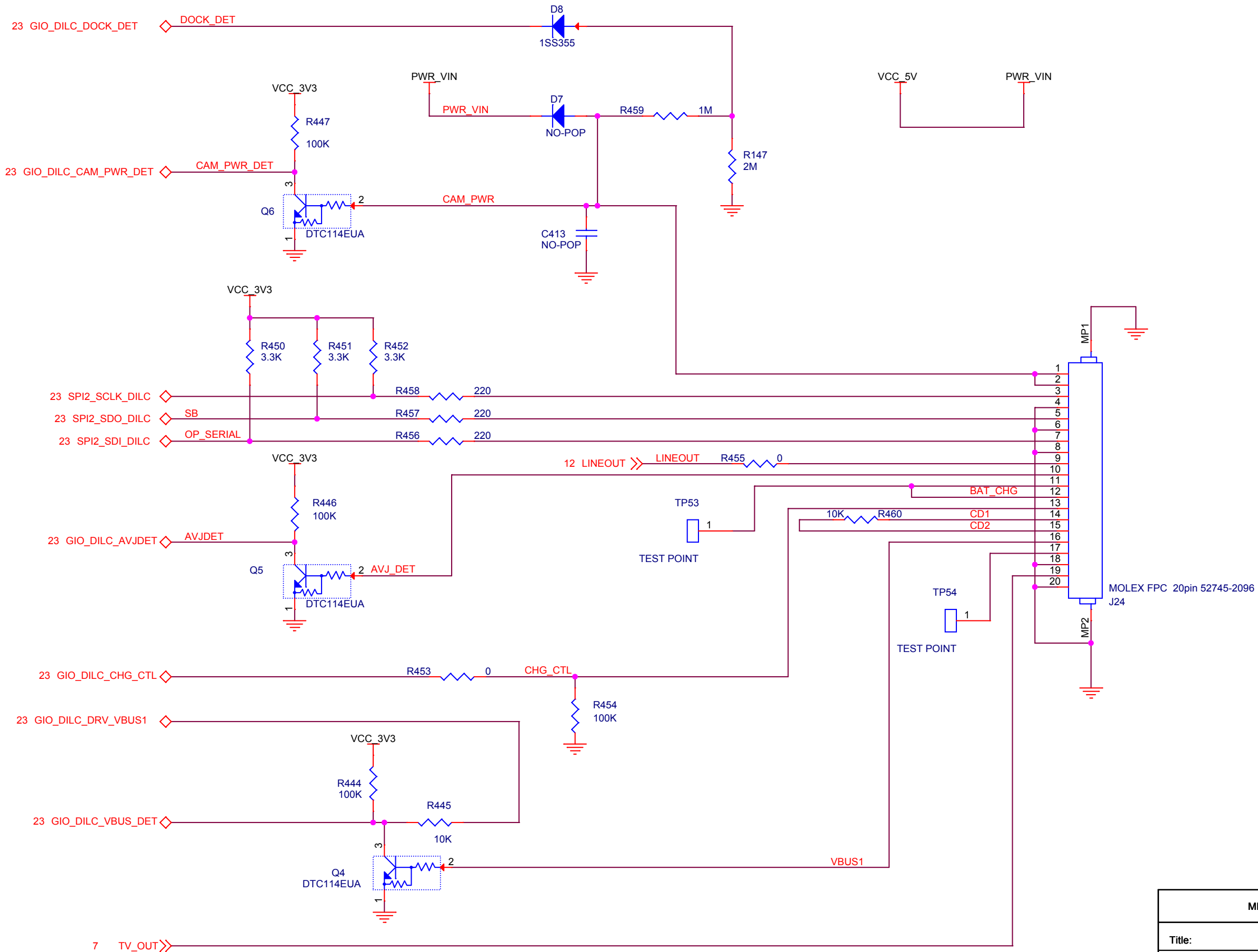


MISTRAL SOLUTIONS PVT LTD			
Title: TMDXEVM368			
Page Contents: McBSP Muxes			
Size:B	DWG NO	FY161165000101	Revision: A
Date: Monday, September 26, 2016			Sheet 38 of 53

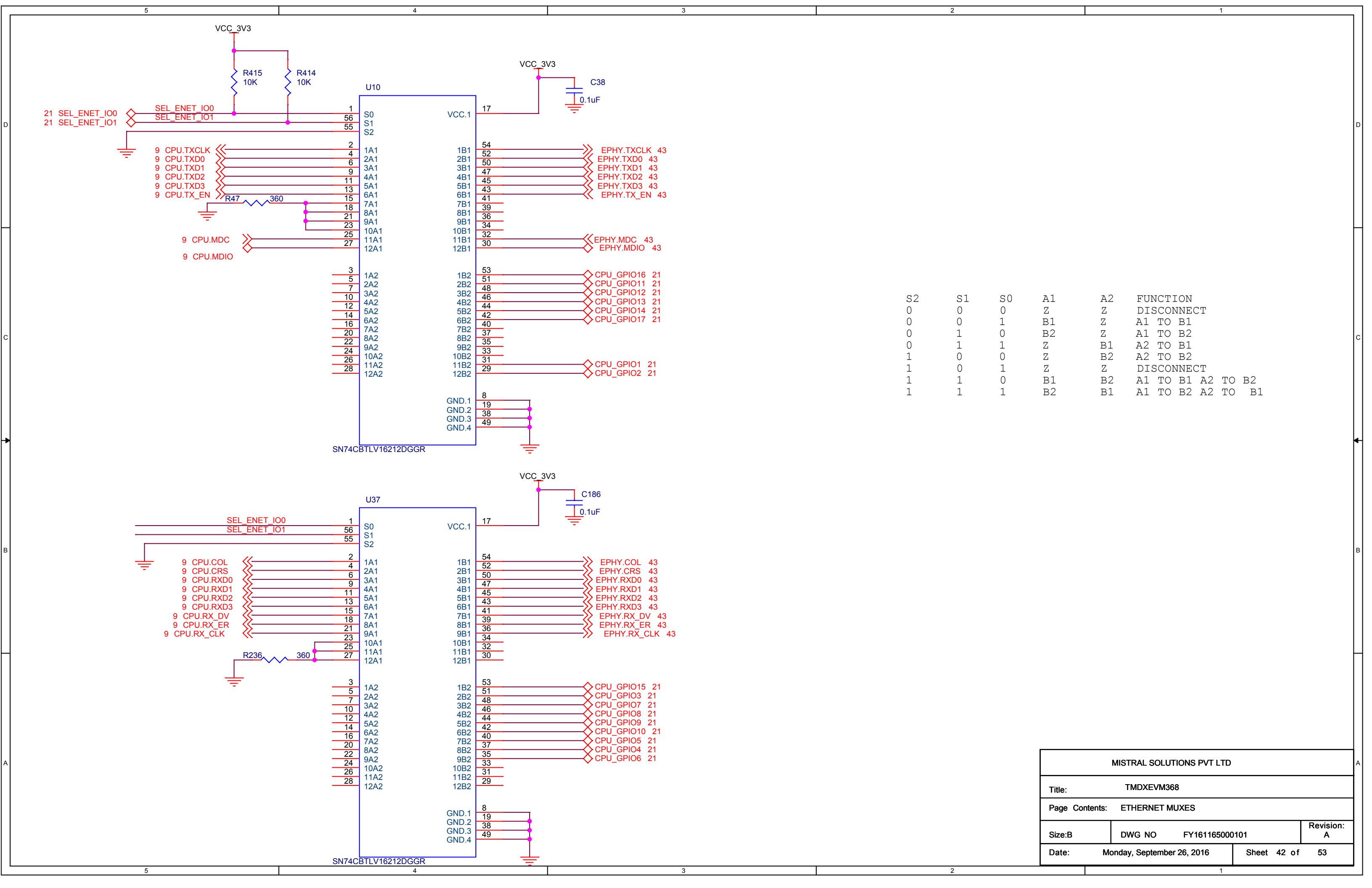


MISTRAL SOLUTIONS PVT LTD			
Title:		TMDXEVM368	
Page Contents:		AIC3101 AUDIO INTERFACE	
Size:B	DWG NO	FY161165000101	Revision: A
Date: Monday, September 26, 2016		Sheet 39 of 53	



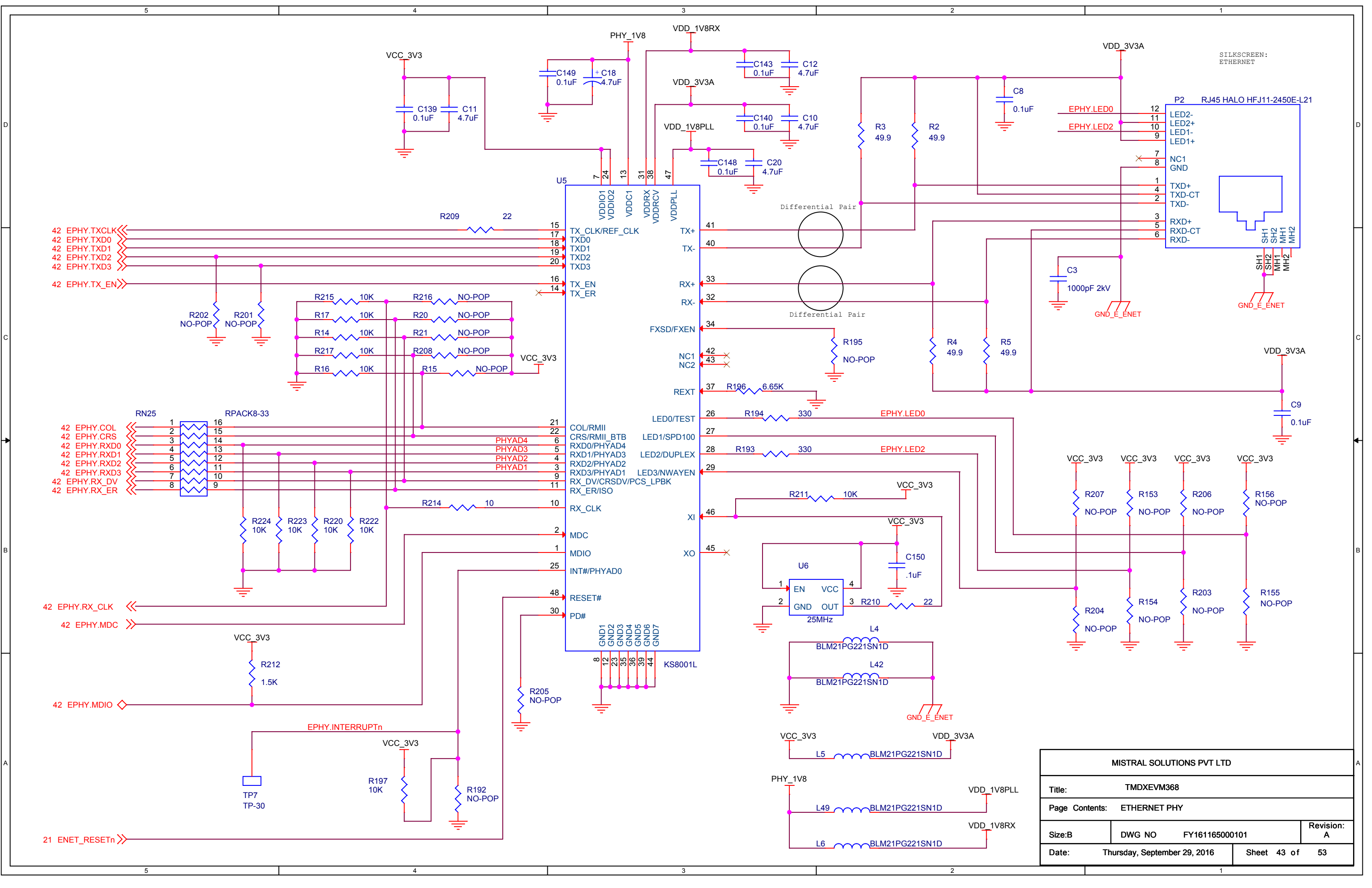


MISTRAL SOLUTIONS PVT LTD			
Title:		TMDXEVM368	
Page Contents:		DILC HOST CONNECTOR	
Size:B	DWG NO	FY161165000101	Revision: A
Date: Thursday, September 29, 2016			Sheet 41 of 53

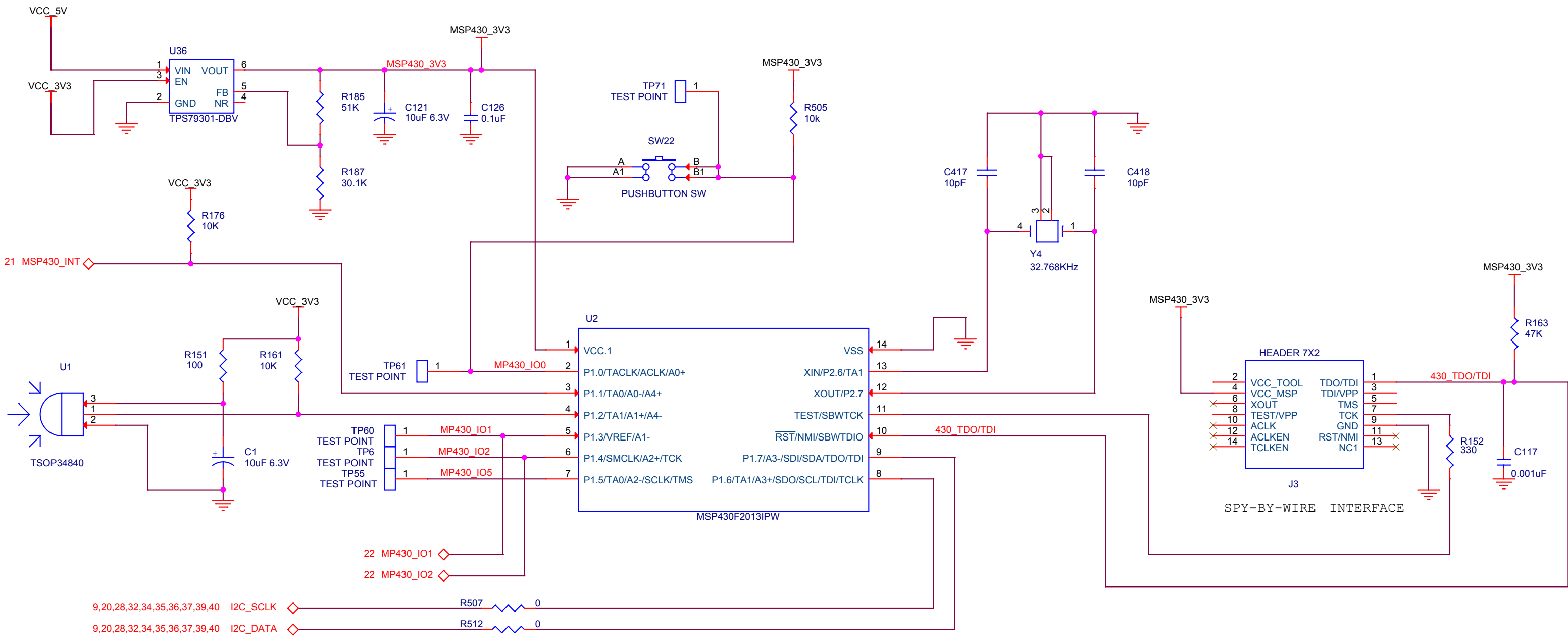


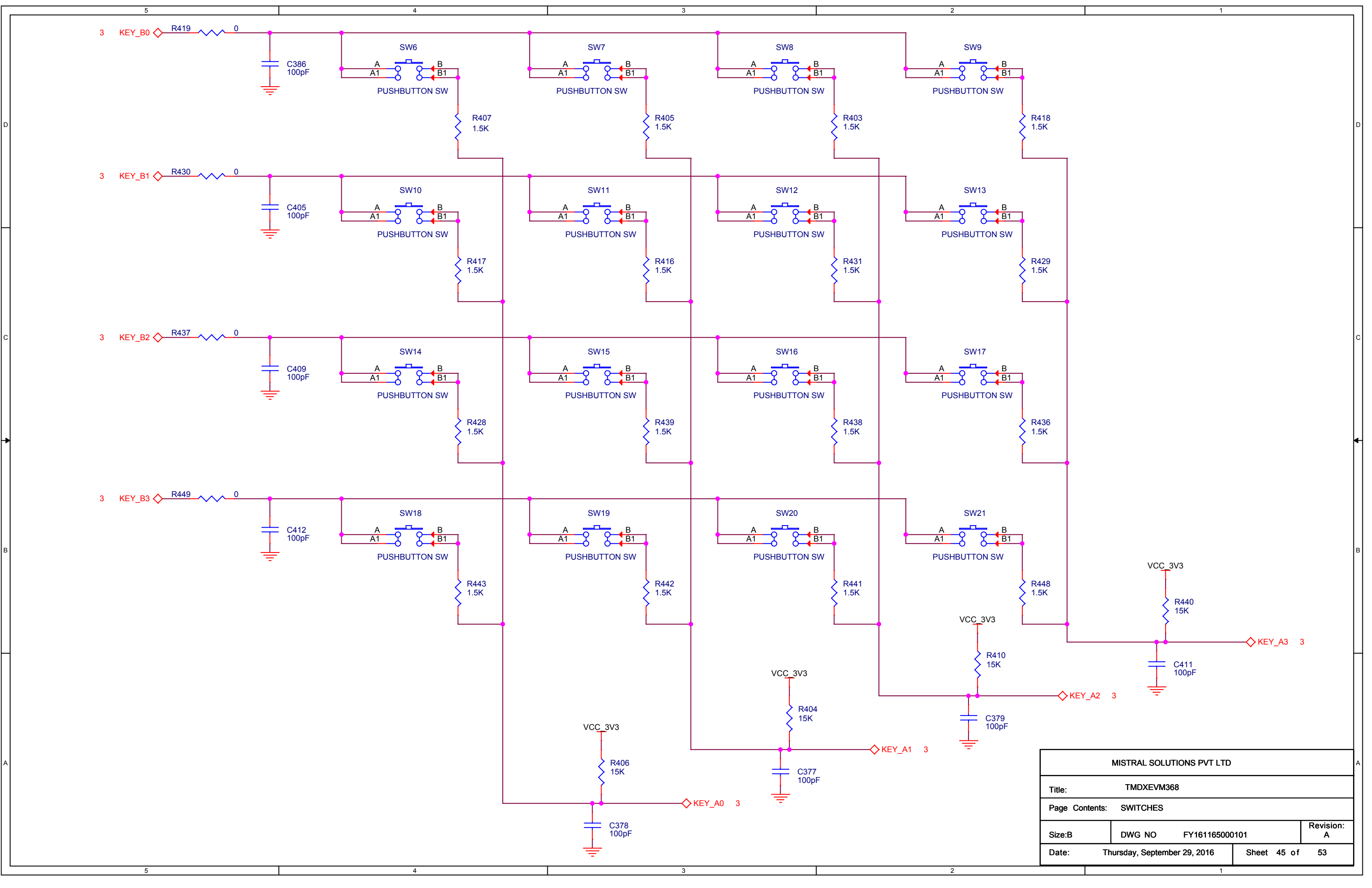
S2	S1	S0	A1	A2	FUNCTION
0	0	0	Z	Z	DISCONNECT
0	0	1	B1	Z	A1 TO B1
0	1	0	B2	Z	A1 TO B2
0	1	1	Z	B1	A2 TO B1
1	0	0	Z	B2	A2 TO B2
1	0	1	Z	Z	DISCONNECT
1	1	0	B1	B2	A1 TO B1 A2 TO B2
1	1	1	B2	B1	A1 TO B2 A2 TO B1

MISTRAL SOLUTIONS PVT LTD				
Title: TMDXEVM368				
Page Contents: ETHERNET MUXES				
Size:B	DWG NO	FY161165000101		Revision: A
Date:	Monday, September 26, 2016		Sheet 42 of	53

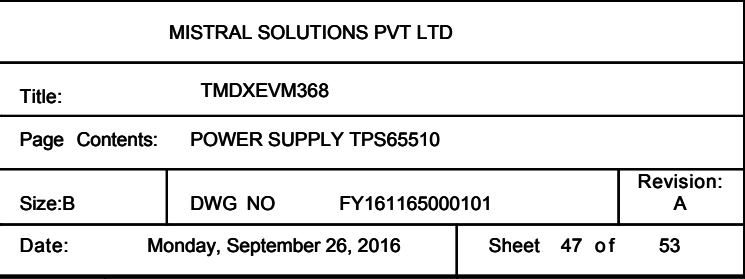


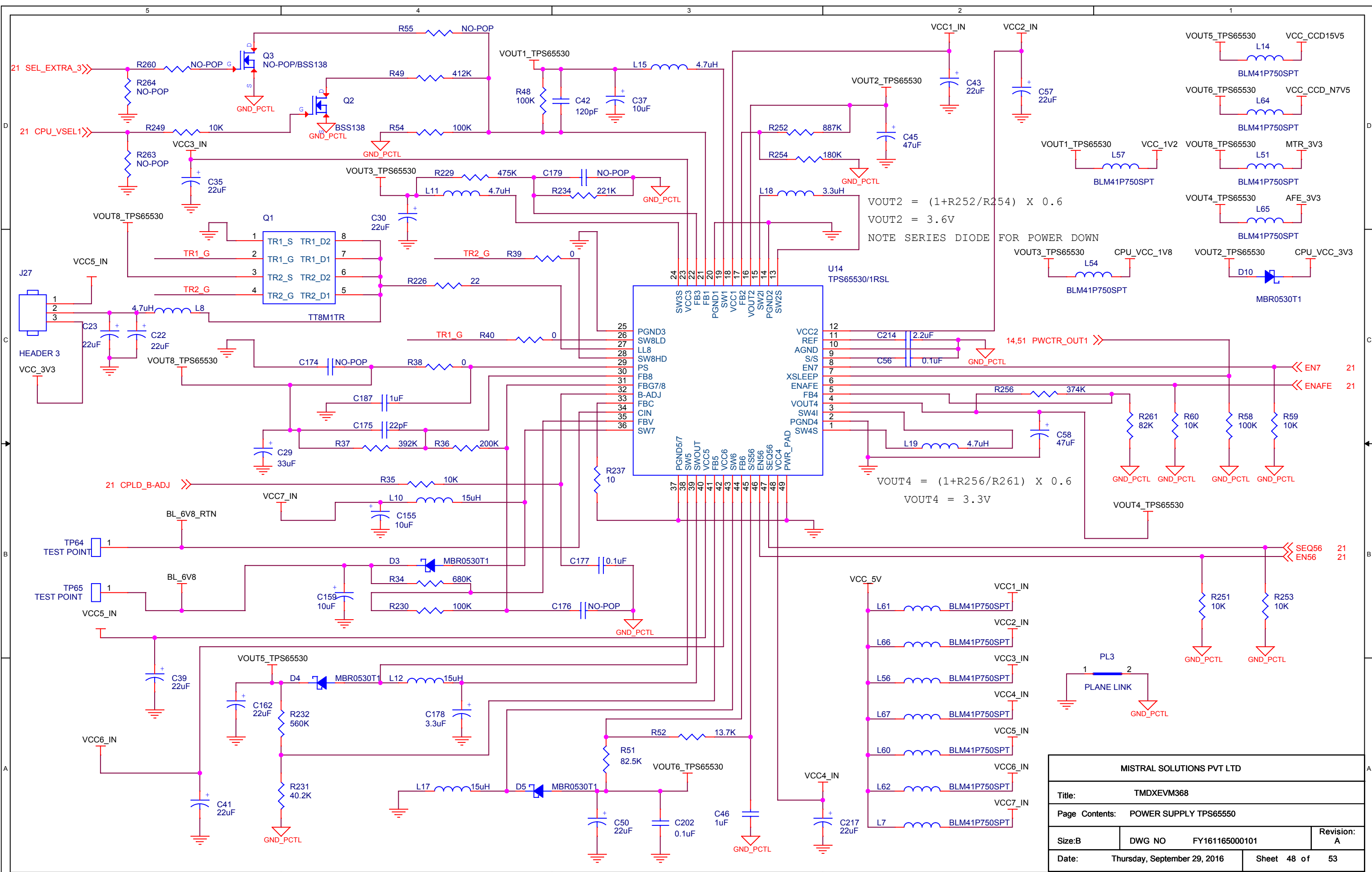
MISTRAL SOLUTIONS PVT LTD			
Title: TMDXEV368			
Page Contents: ETHERNET PHY			
Size:B	DWG NO	FY161165000101	Revision: A
Date:	Thursday, September 29, 2016	Sheet 43 of	53



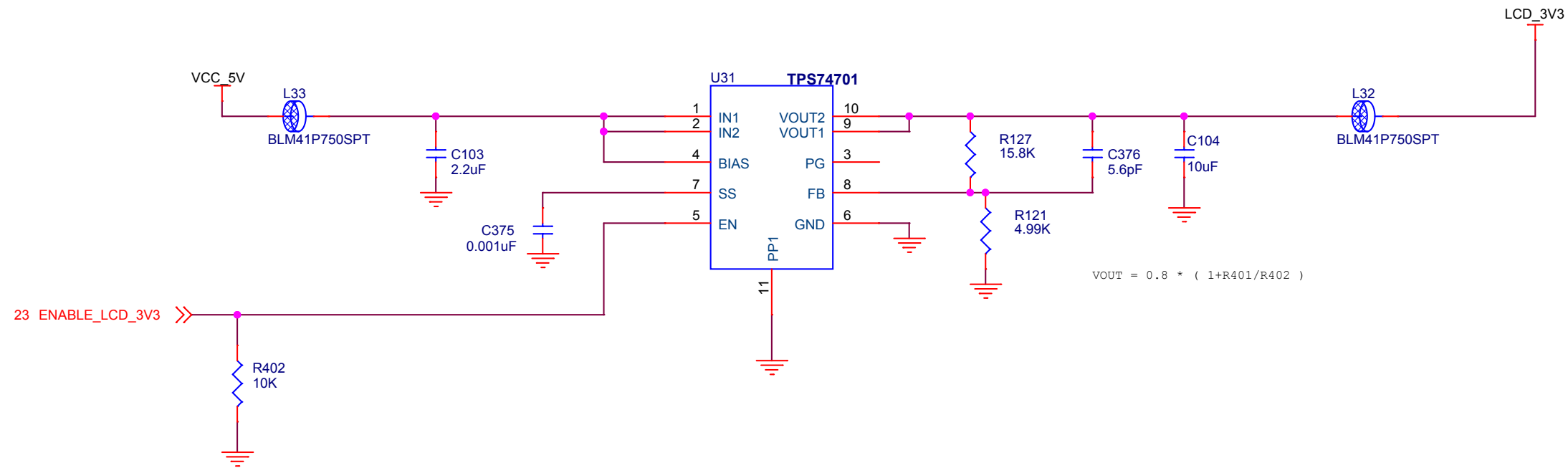
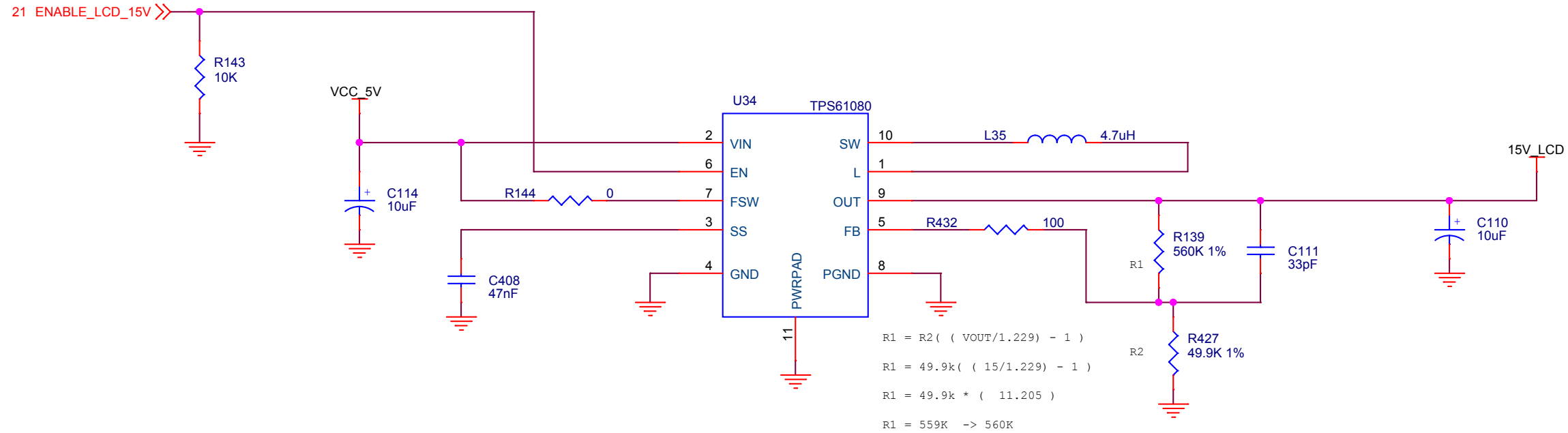


MISTRAL SOLUTIONS PVT LTD			
Title: TMDXEV368			
Page Contents: SWITCHES			
Size:B	DWG NO	FY161165000101	Revision: A
Date:	Thursday, September 29, 2016	Sheet 45 of	53

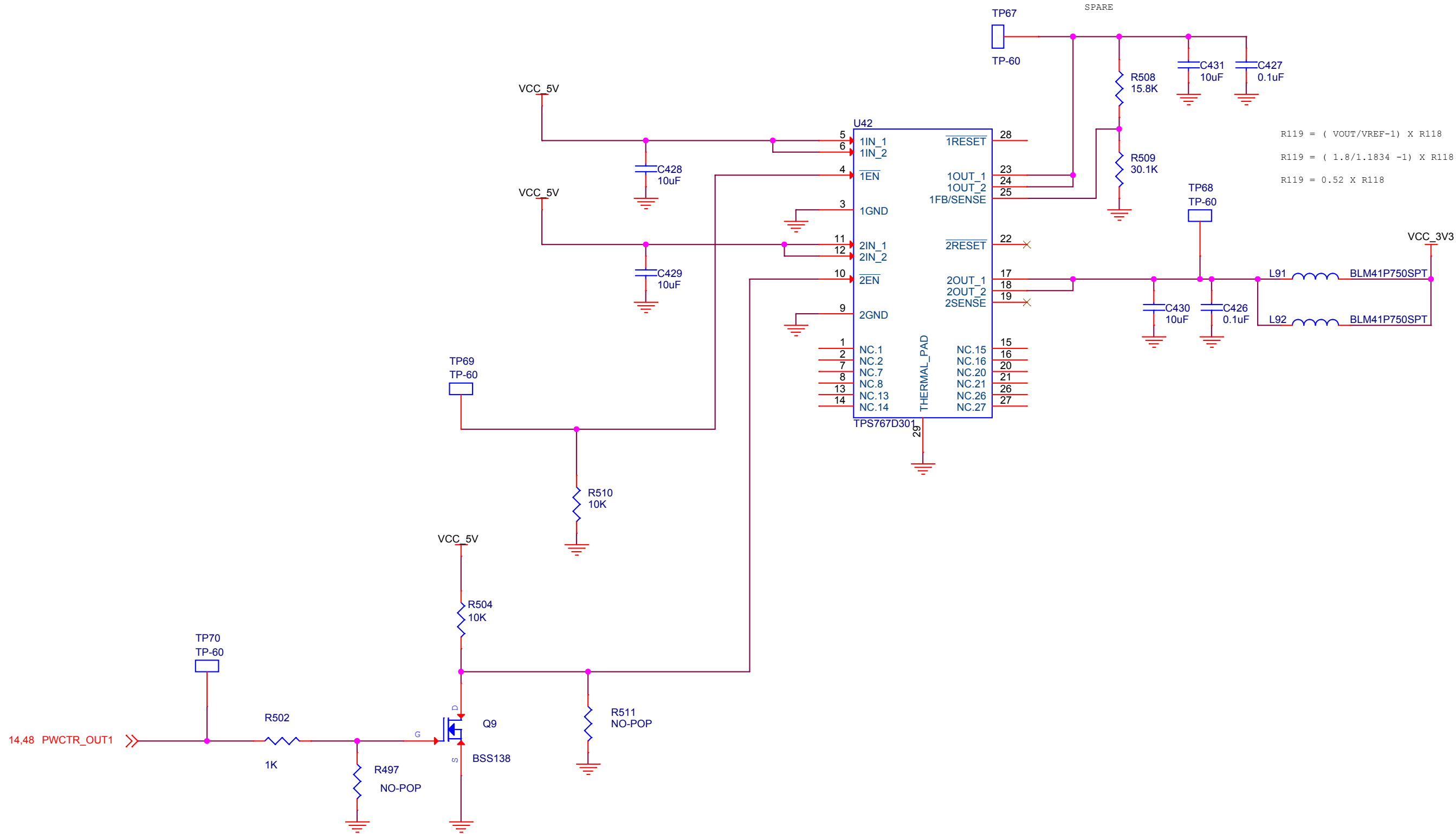




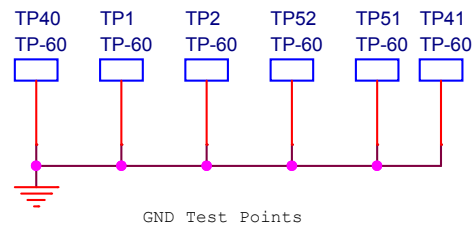
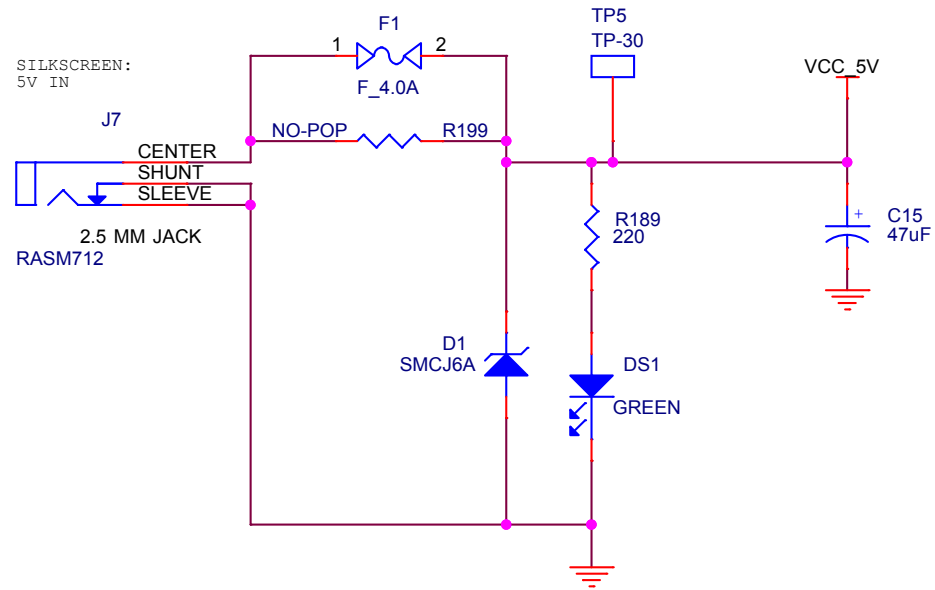
MISTRAL SOLUTIONS PVT LTD			
Title: TMDXEVM368			
Page Contents: POWER SUPPLY TPS65550			
Size: B	DWG NO	FY161165000101	Revision: A
Date:	Thursday, September 29, 2016	Sheet 48 of	53



MISTRAL SOLUTIONS PVT LTD			
Title: TMDXEV368			
Page Contents: POWER SUPPLY			
Size:B	DWG NO	FY161165000101	Revision: A
Date:	Monday, September 26, 2016		Sheet 49 of 53



MISTRAL SOLUTIONS PVT LTD			
Title: TMDXEVM368			
Page Contents: POWER INPUT			
Size:B	DWG NO	FY161165000101	Revision: A
Date:	Thursday, September 29, 2016	Sheet 51 of	53



MISTRAL SOLUTIONS PVT LTD			
Title:		TMDXEVM368	
Page Contents:		POWER INPUT	
Size:B	DWG NO	FY161165000101	Revision: A
Date:	Monday, September 26, 2016		Sheet 52 of 53

REVISION HISTORY

REV #	DATE	VERSION	DESCRIPTION OF CHANGES	AUTHOR
A	12th APR 2016	0.01	Original Design files are taken from the following link http://support.spectrumdigital.com/boards/evmdm368/revg/files/EVMDM368_revg_Schematics.pdf and updated the changes in Rev A	Mistral Design Team
A	12th APR 2016	0.02	SD Card Connector replaced with micro SD Card Connector (J12), One-NAND (U27),R375,R379,R380,R390,R392,R481, C98,C361,C362,C371,C372, - NO-POP, SD Card Connector (J25),R67,R281,R289,R307,R313,R319,R325,R331,R336 C311,C310, - NO-POP, R66,R69 & R316 - Removed MOSFET (Q1) - Mfr Part number changed from VEC2611 to TT8M1TR.	Mistral Design Team
A	12th APR 2016	1.0	REVIEWED & BASELINED	Mistral Design Team

MISTRAL SOLUTIONS PVT LTD			
Title:		TMDXEVM368	
Page Contents:		Revision Information	
Size:B	DWG NO	FY161165000101	Revision: A
Date:	Monday, September 26, 2016		Sheet 53 of 53