
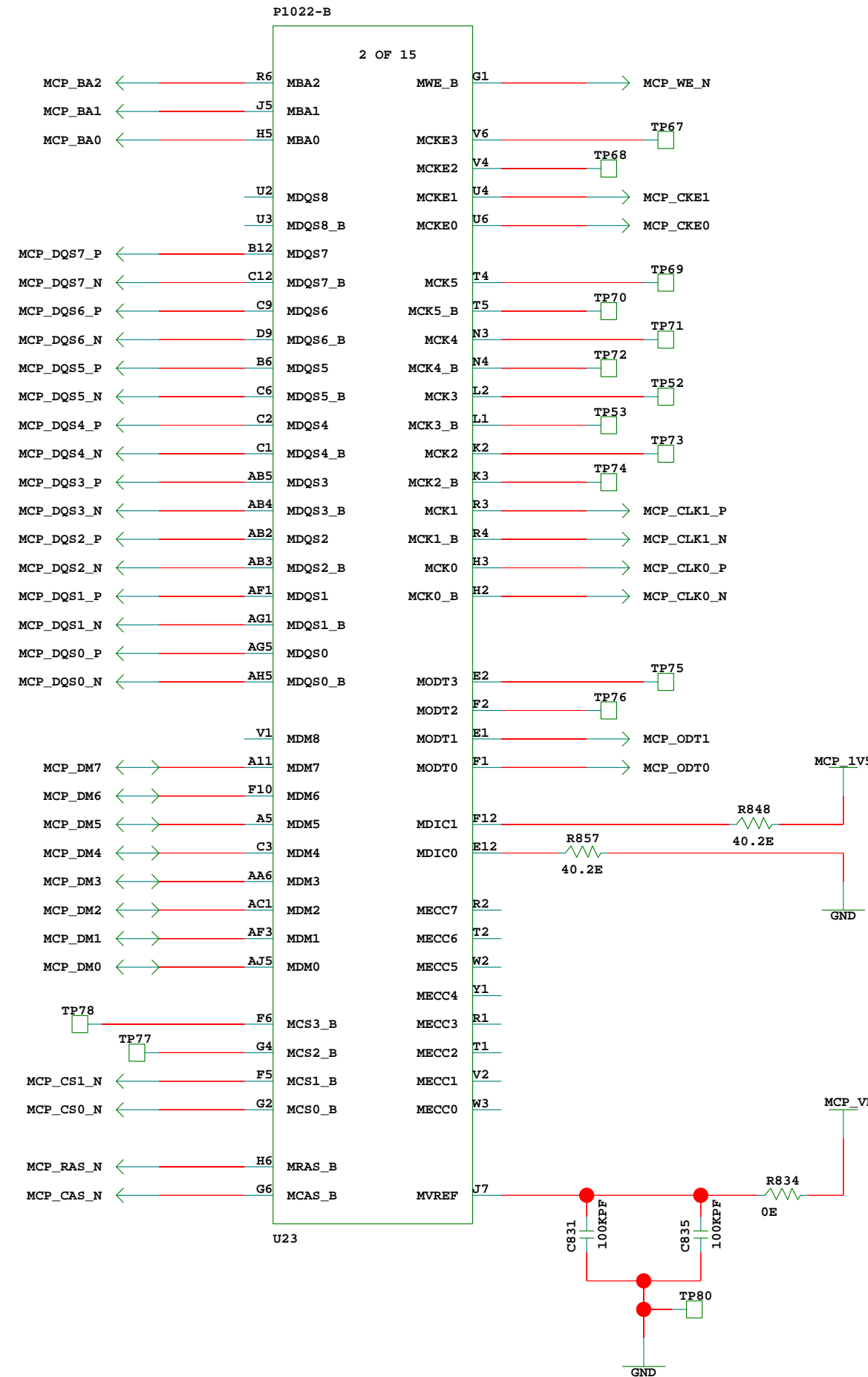



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD	ISSUE:	REV:	
CIRCUIT SCHEMATICS	01	00	
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT	DATE: 05-03-2015		
	SHEET: 108 OF 215		



CHKD:		APPD:	
CARD NAME: MULTI SERVICE LINE CARD		ISSUE:	REV:
CIRCUIT SCHEMATICS		01	00
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT		DATE: 05-03-2015	
		SHEET: 109 OF 215	

NU = NOT USED

A

B

C

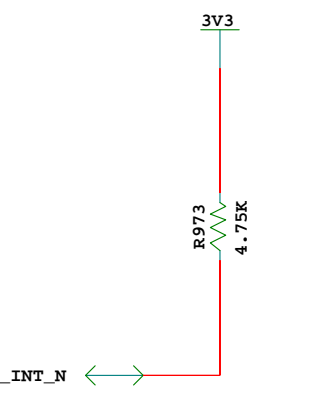
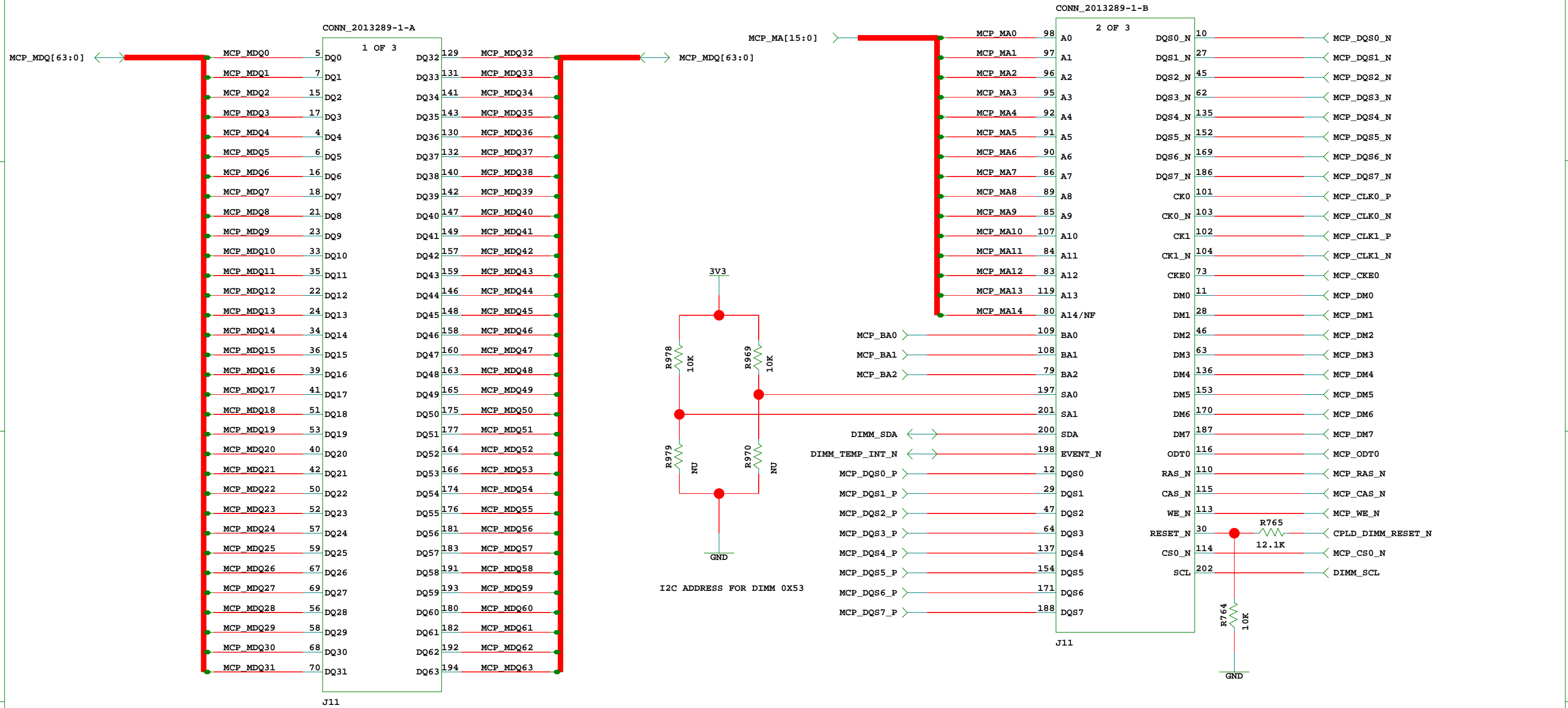
D


A

B

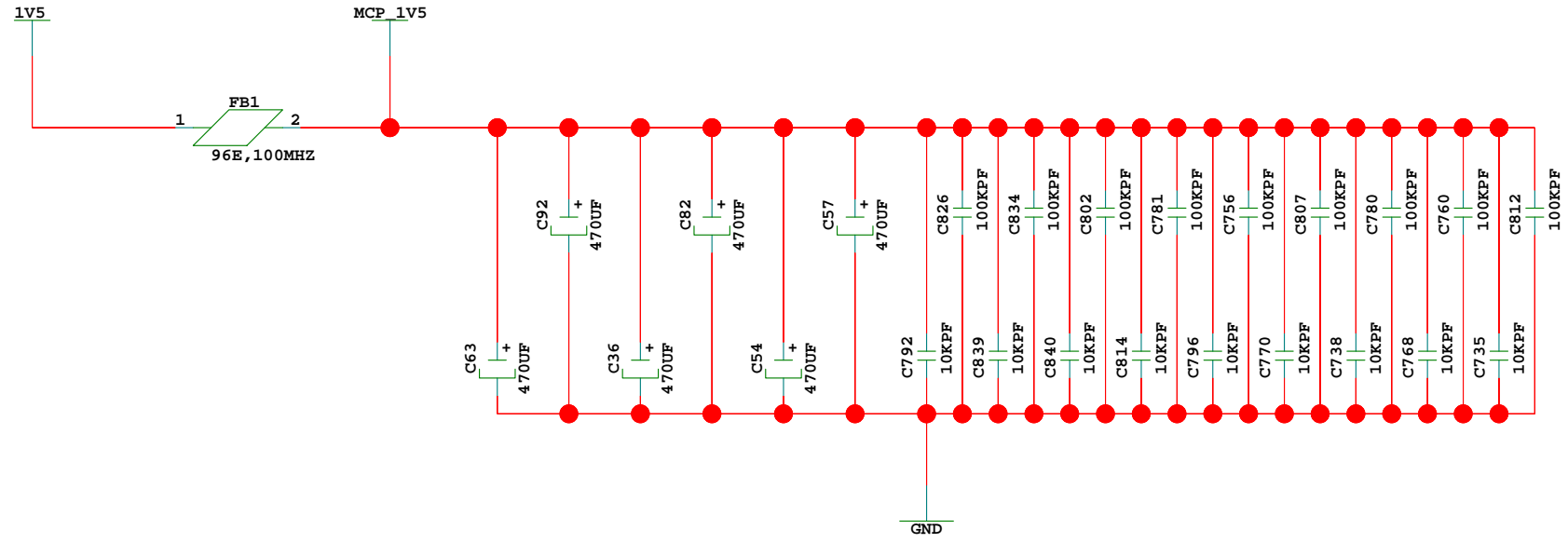
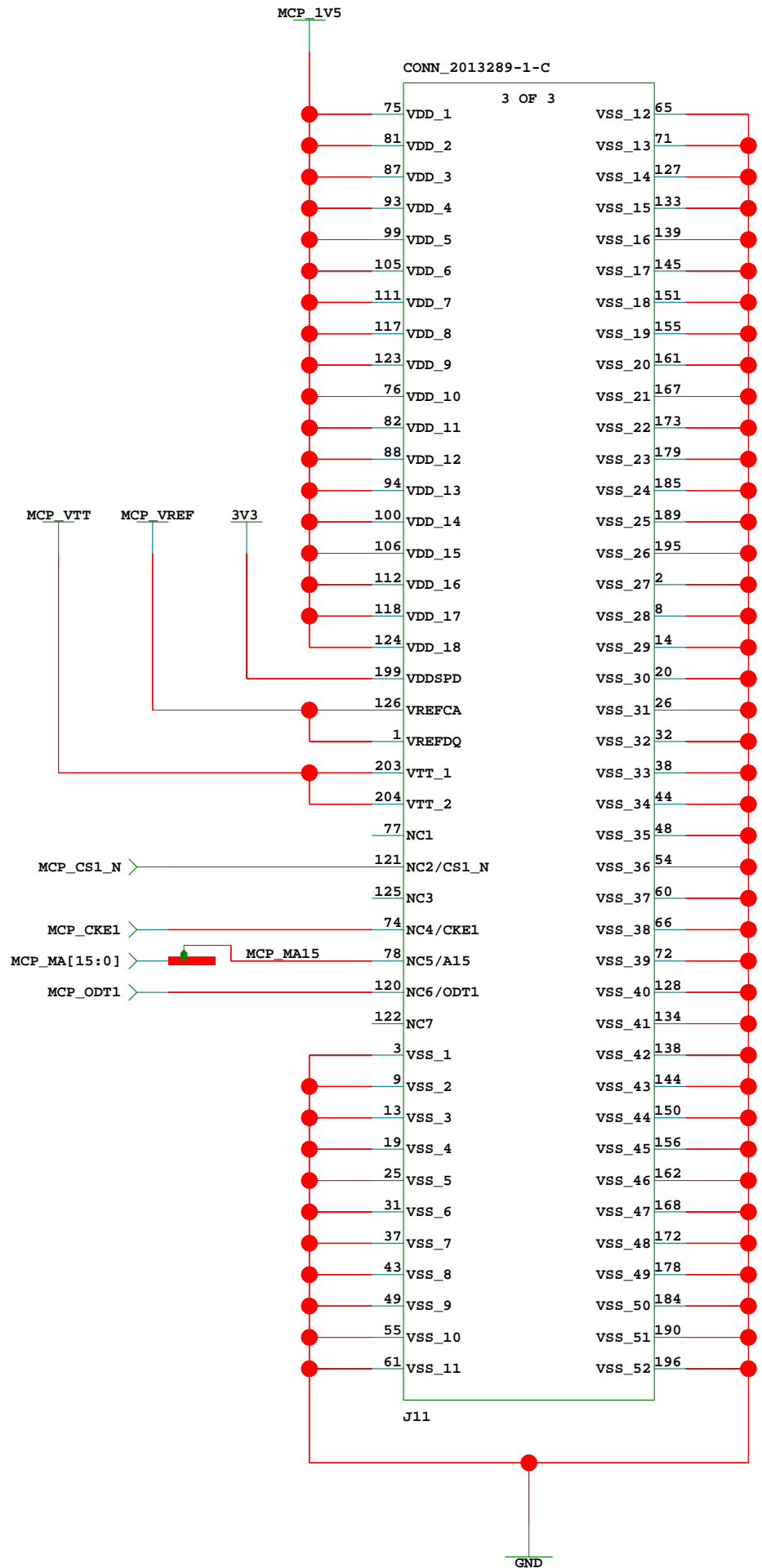
C

D

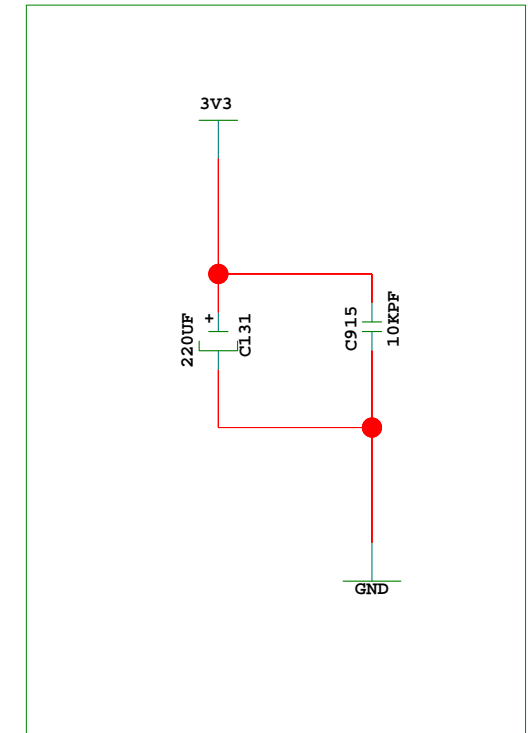
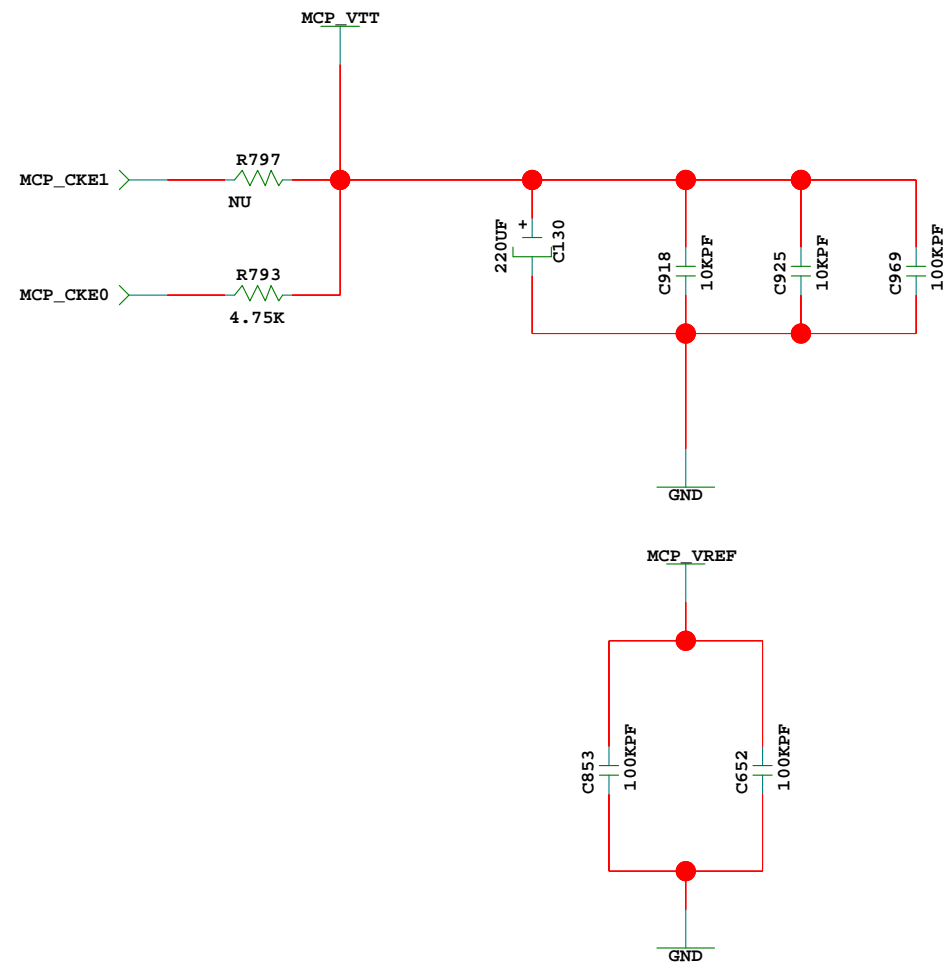



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE: 01	REV: 00
CIRCUIT SCHEMATICS			
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT			DATE: 05-03-2015
			SHEET: 110 OF 215

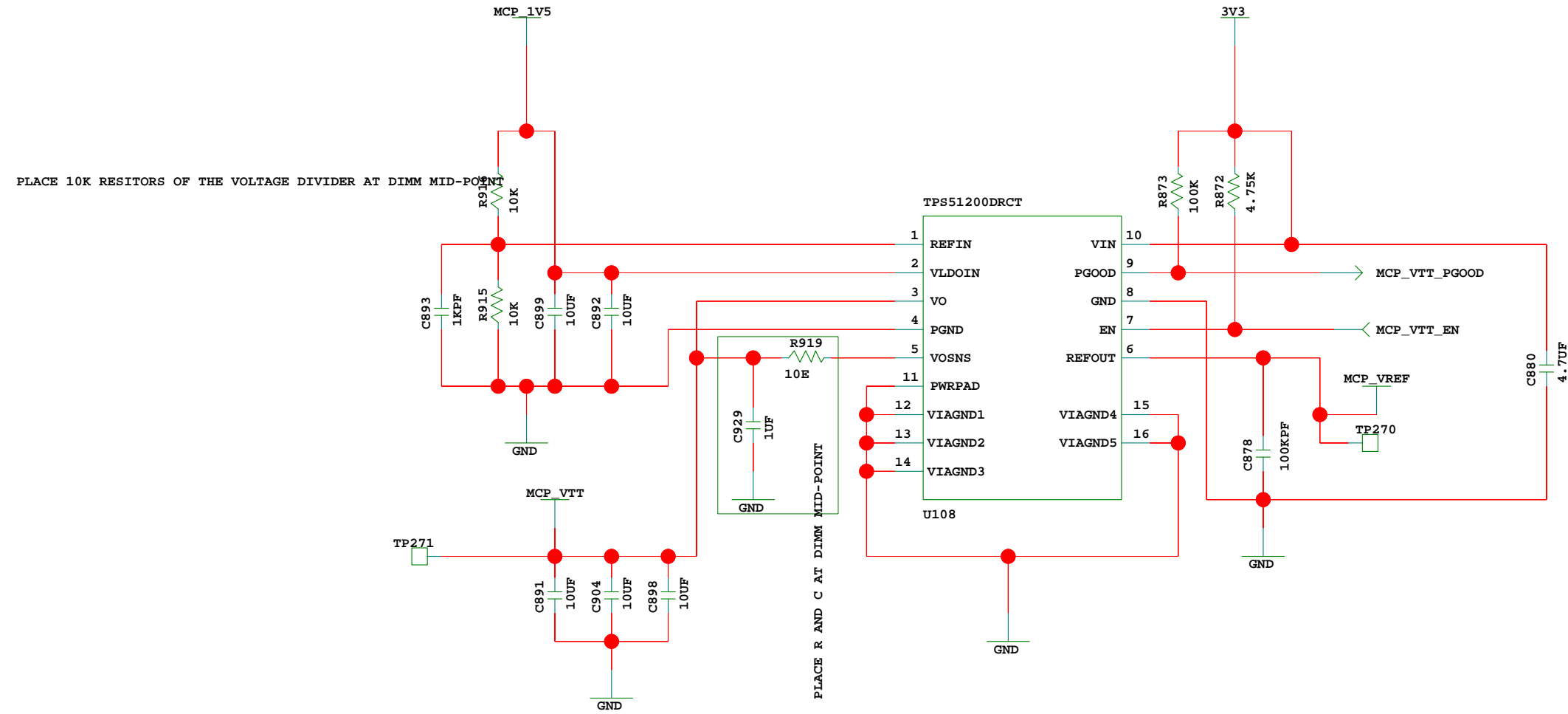
NU = NOT USED




PLACE THESE CAPACITORS NEAR VDDSPD (PIN NO 199) OF SODIMM CONNECTOR



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD	ISSUE: 01	REV: 00	
CIRCUIT SCHEMATICS			
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI	DATE: 05-03-2015		
	SHEET: 111 OF 215		



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD	ISSUE:	REV:	
CIRCUIT SCHEMATICS	01	00	
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT	DATE: 05-03-2015		
	SHEET: 112 OF 215		

NU = NOT USED

A

A

B

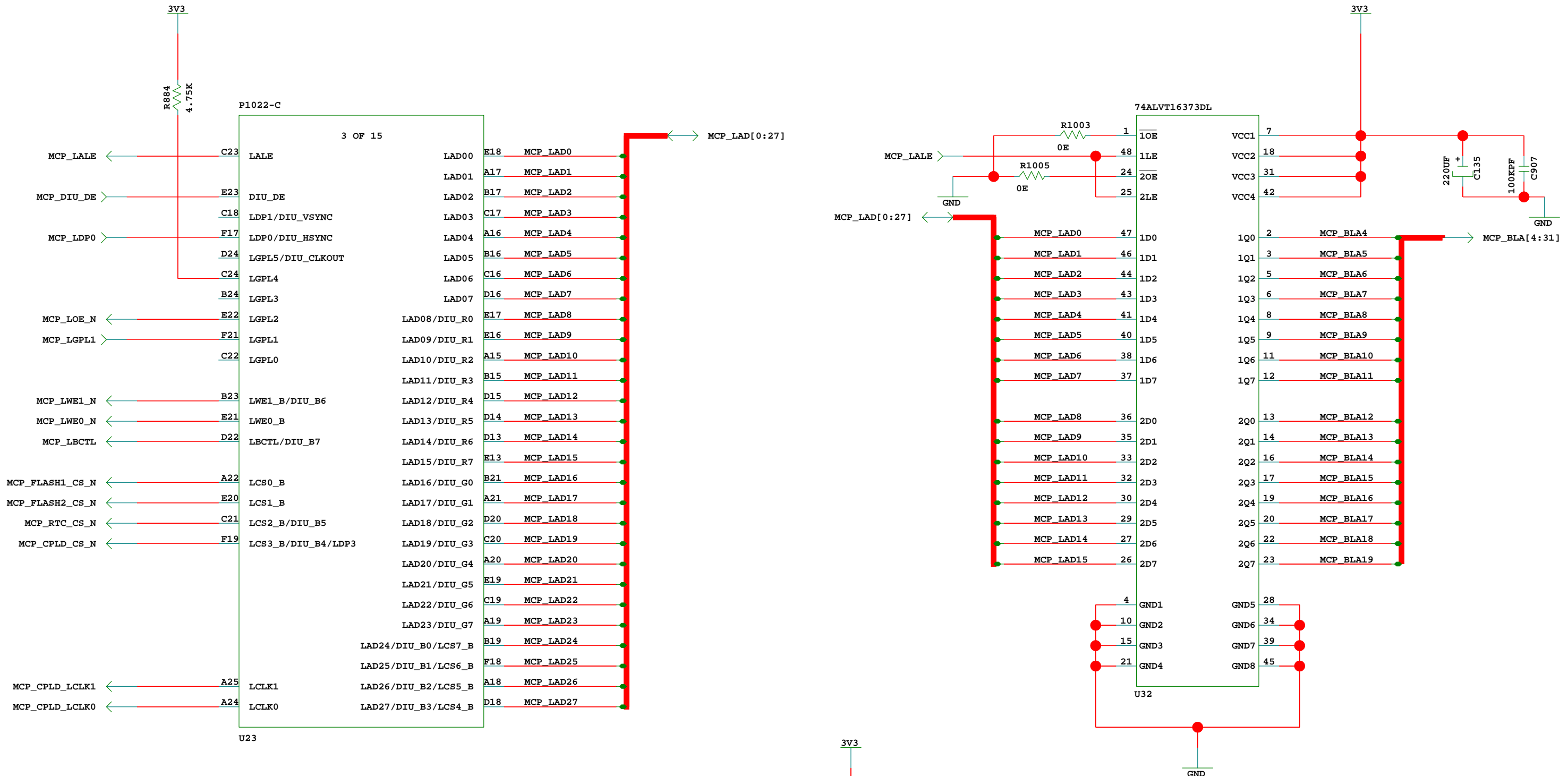
B


C

C

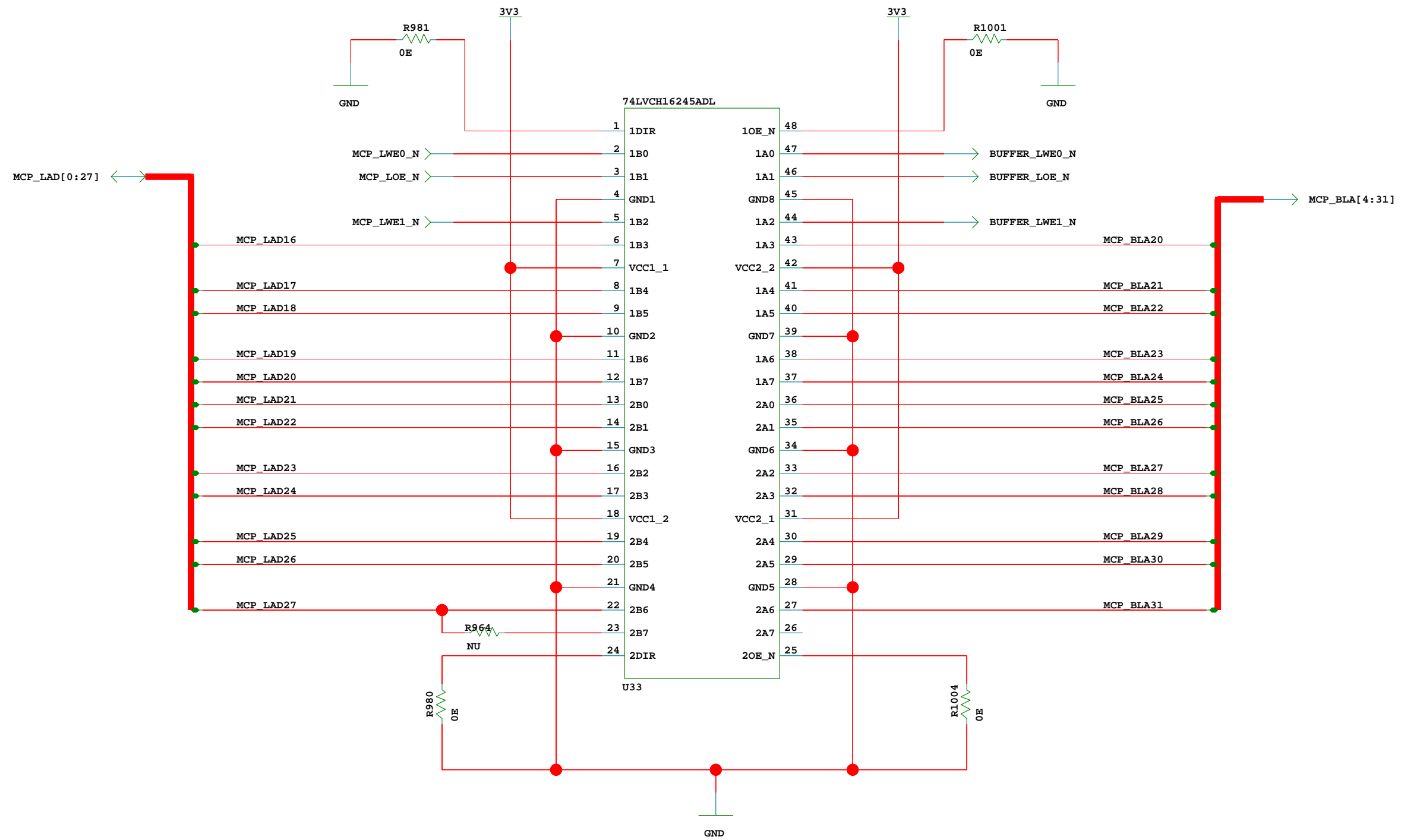
D


D



CHKD:		APPD:	
CARD NAME: MULTI SERVICE LINE CARD		ISSUE:	REV:
CIRCUIT SCHEMATICS		01	00
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI		DATE: 05-03-2015	
		SHEET: 113 OF 215	

NU = NOT USED



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE:	REV:
CIRCUIT SCHEMATICS		01	00
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT		DATE:05-03-2015	
		SHEET: 114 OF 215	

NU = NOT USED

A

B

C

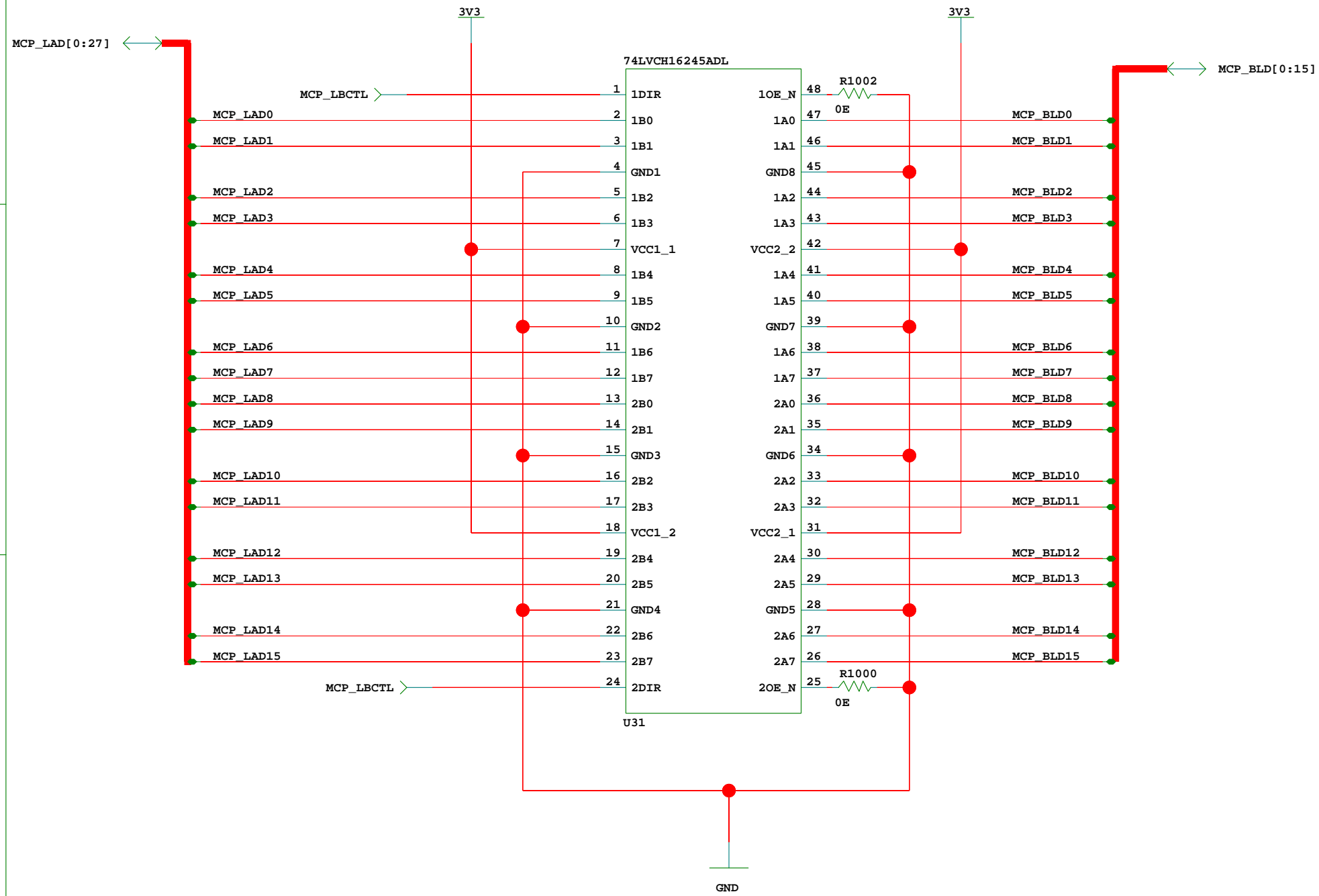
D


A

B

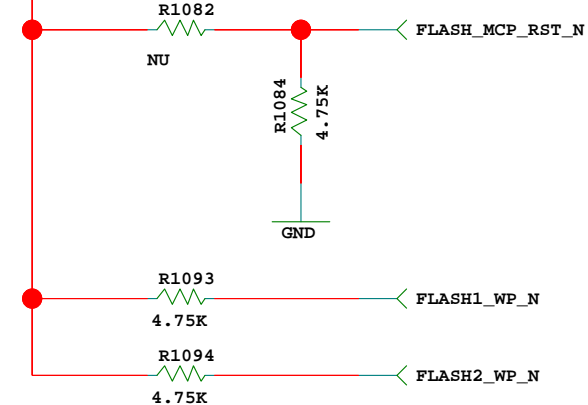
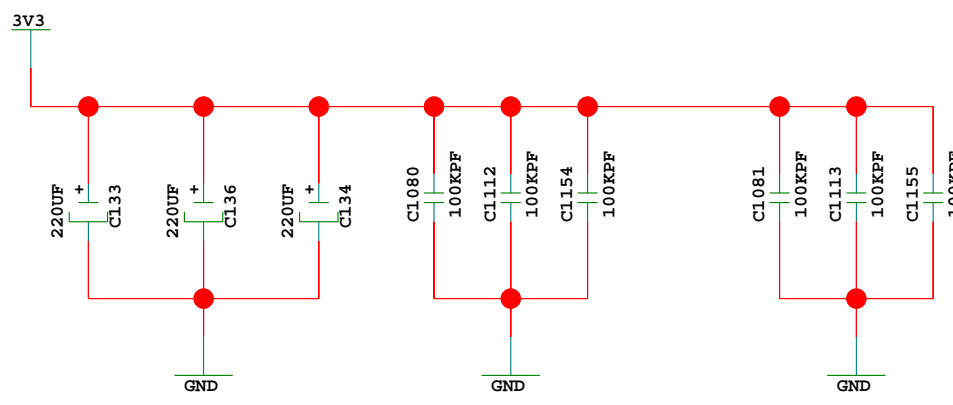
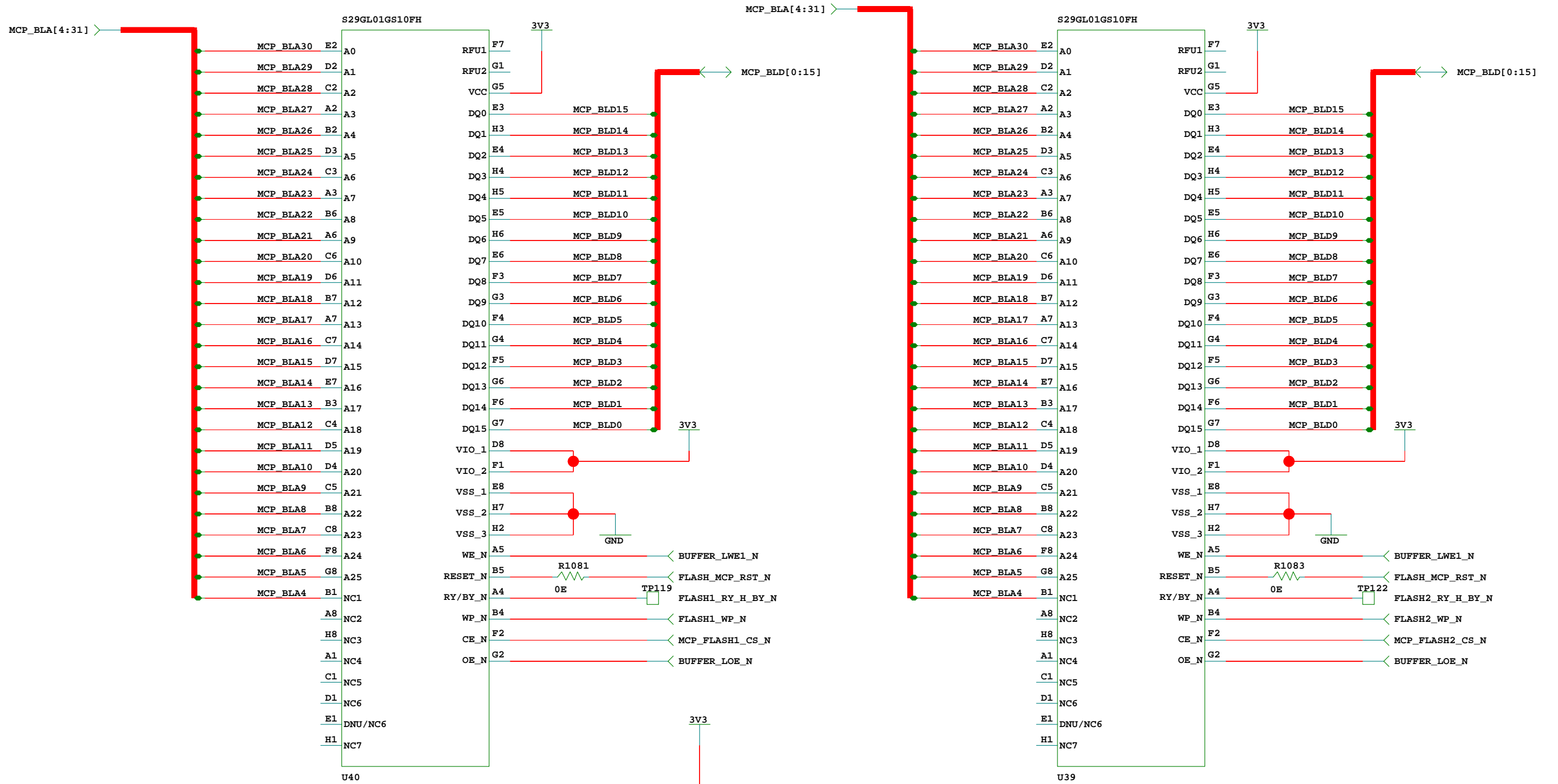
C


D



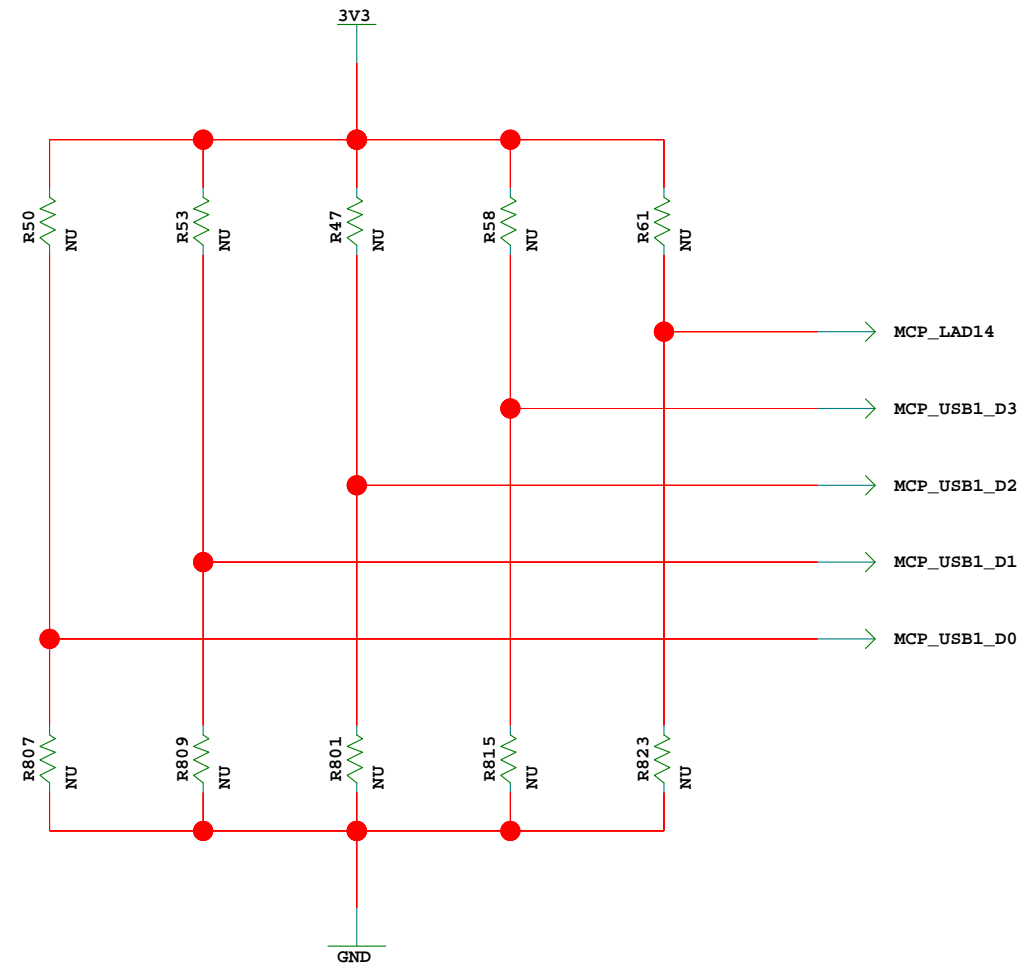
CHKD:		APPD:	
CARD NAME: MULTI SERVICE LINE CARD		ISSUE:	REV:
CIRCUIT SCHEMATICS		01	00
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT		DATE:05-03-2015	
		SHEET: 115 OF 215	

NU = NOT USED




CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE: 01	REV: 00
CIRCUIT SCHEMATICS			
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI		DATE: 05-03-2015	
		SHEET: 116 OF 215	

NU = NOT USED

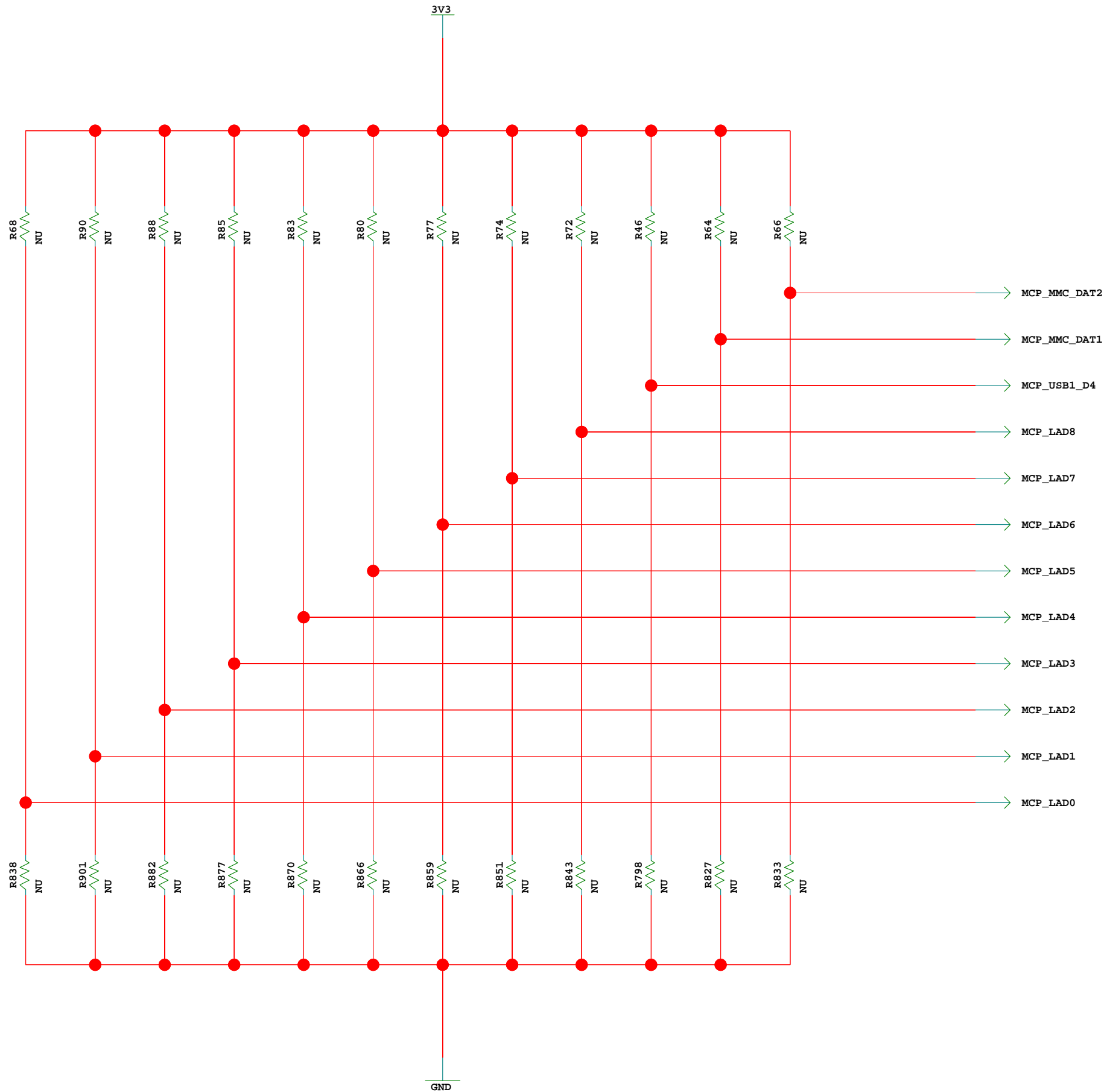



ENGINEERING USE POR CONFIGURATION

I2C2_SDA IS CONNECTED FROM CPLD

CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE:	REV:
CIRCUIT SCHEMATICS		01	00
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT	DATE: 05-03-2015		
	SHEET: 117 OF 215		

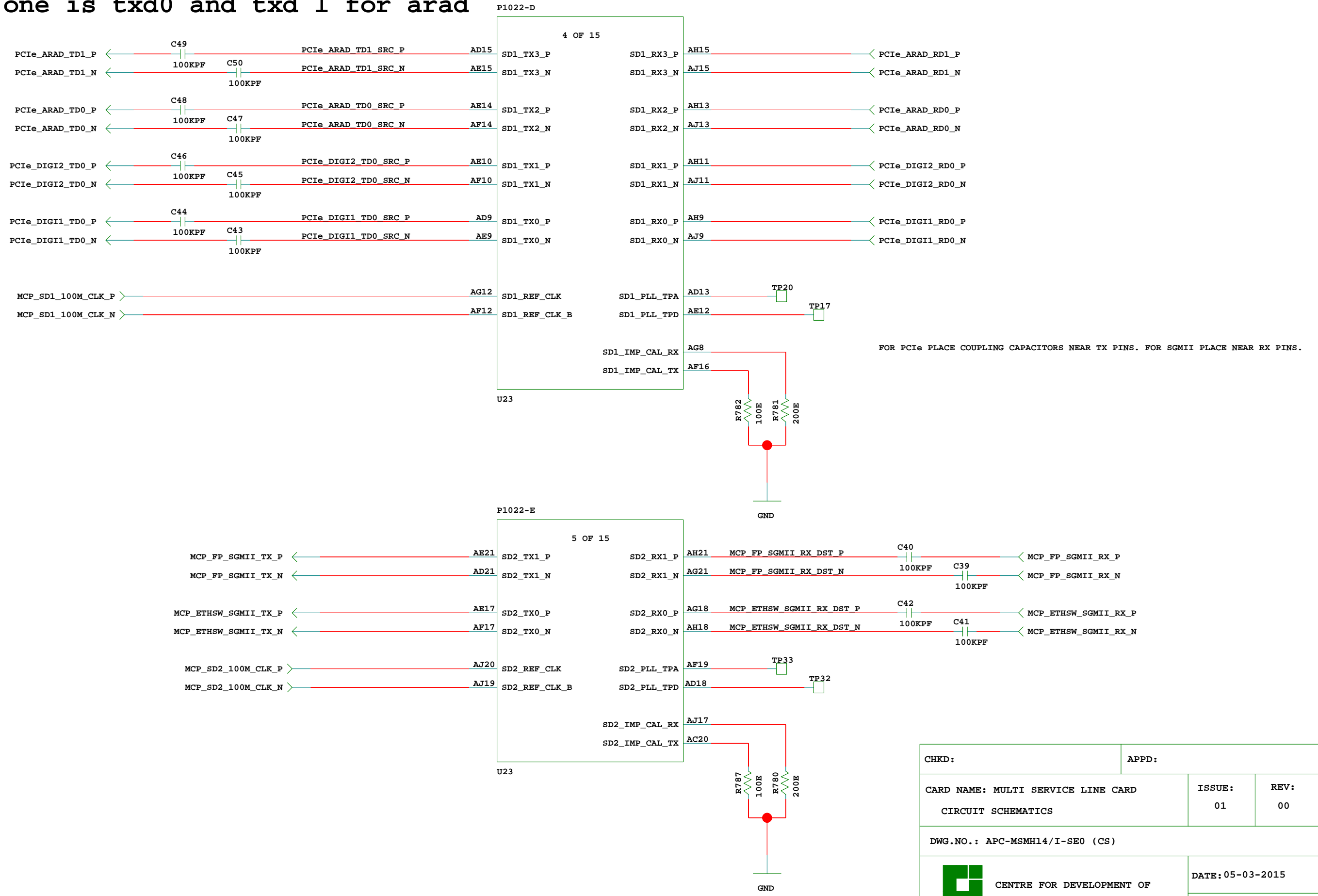
NU = NOT USED




CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE:	REV:
CIRCUIT SCHEMATICS		01	00
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT		DATE:05-03-2015	
		SHEET: 118 OF 215	

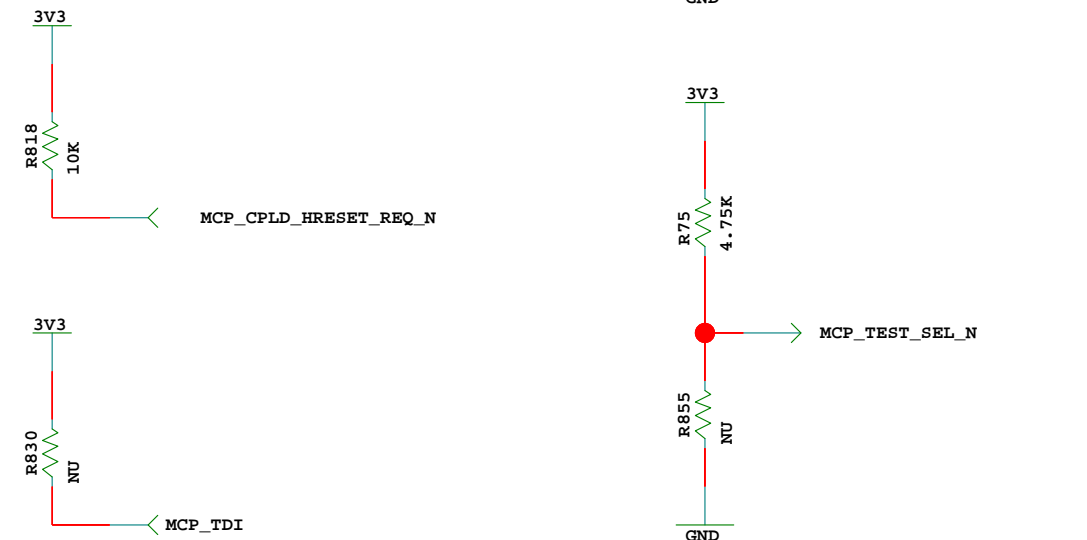
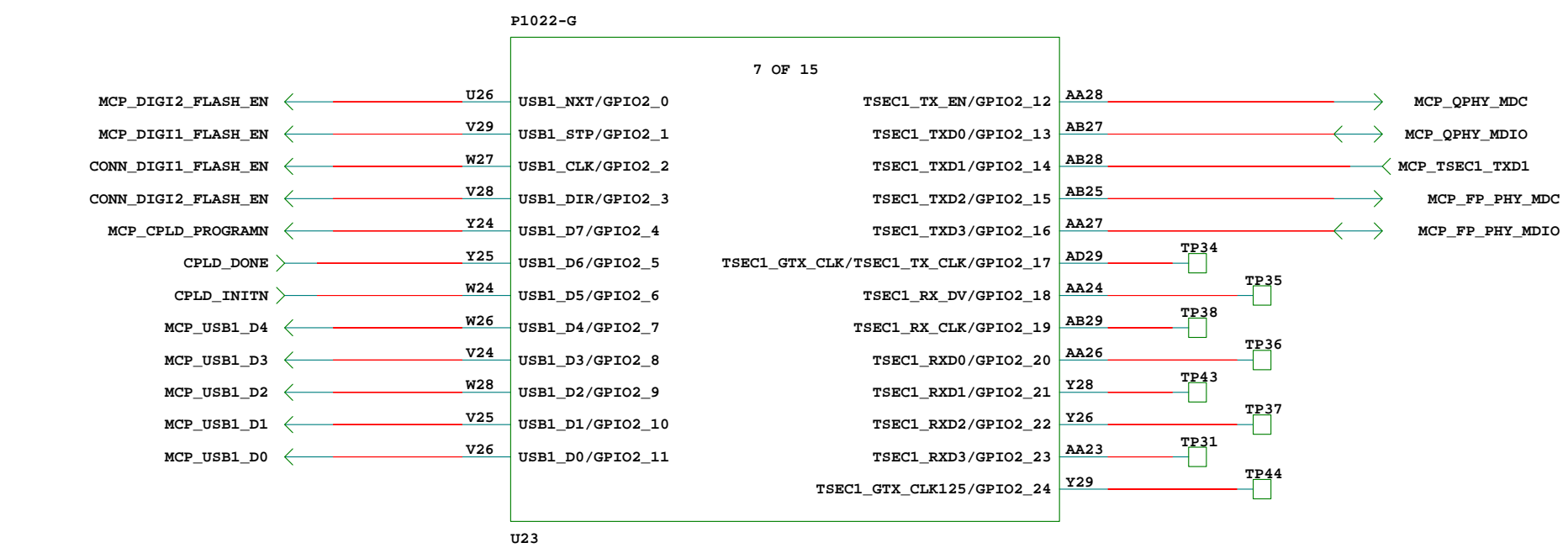
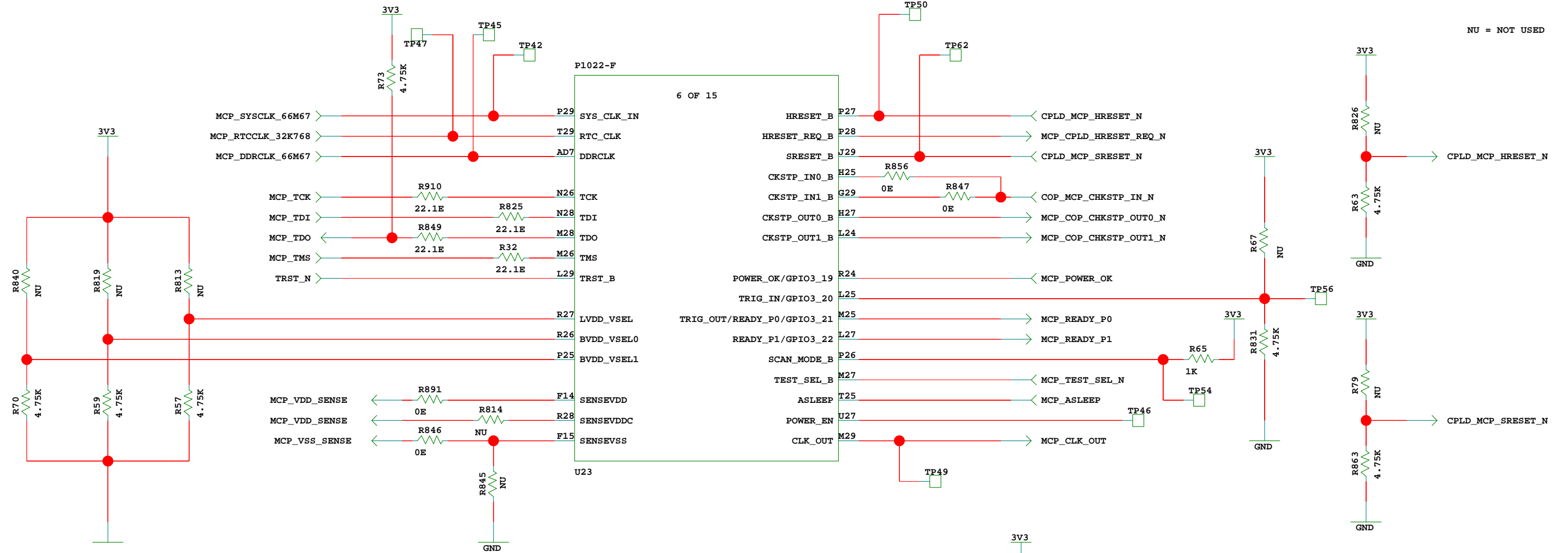
NU = NOT USED

which one is txd0 and txd 1 for arad




CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE:	REV:
CIRCUIT SCHEMATICS		01	00
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT		DATE:05-03-2015	
		SHEET: 119 OF 215	

NU = NOT USED



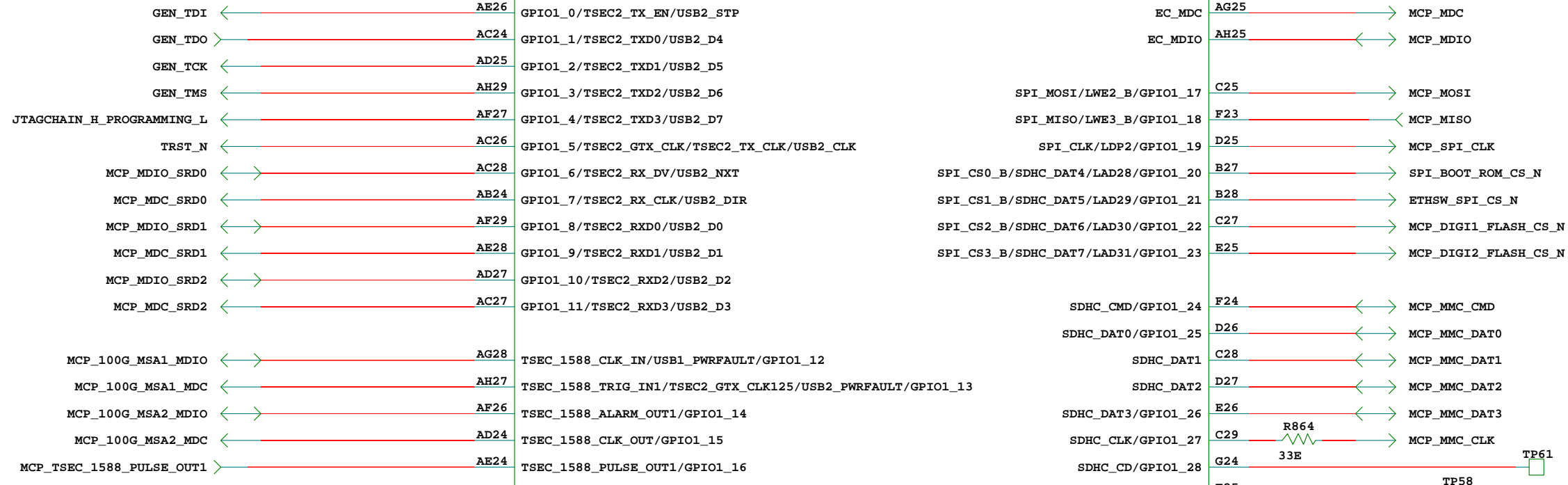
FOR P1013 MCP_TEST_SEL_N SHOULD BE PULLED DOWN.

CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD	ISSUE: 01	REV: 00	
CIRCUIT SCHEMATICS			
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI	DATE: 05-03-2015		SHEET: 120 OF 215

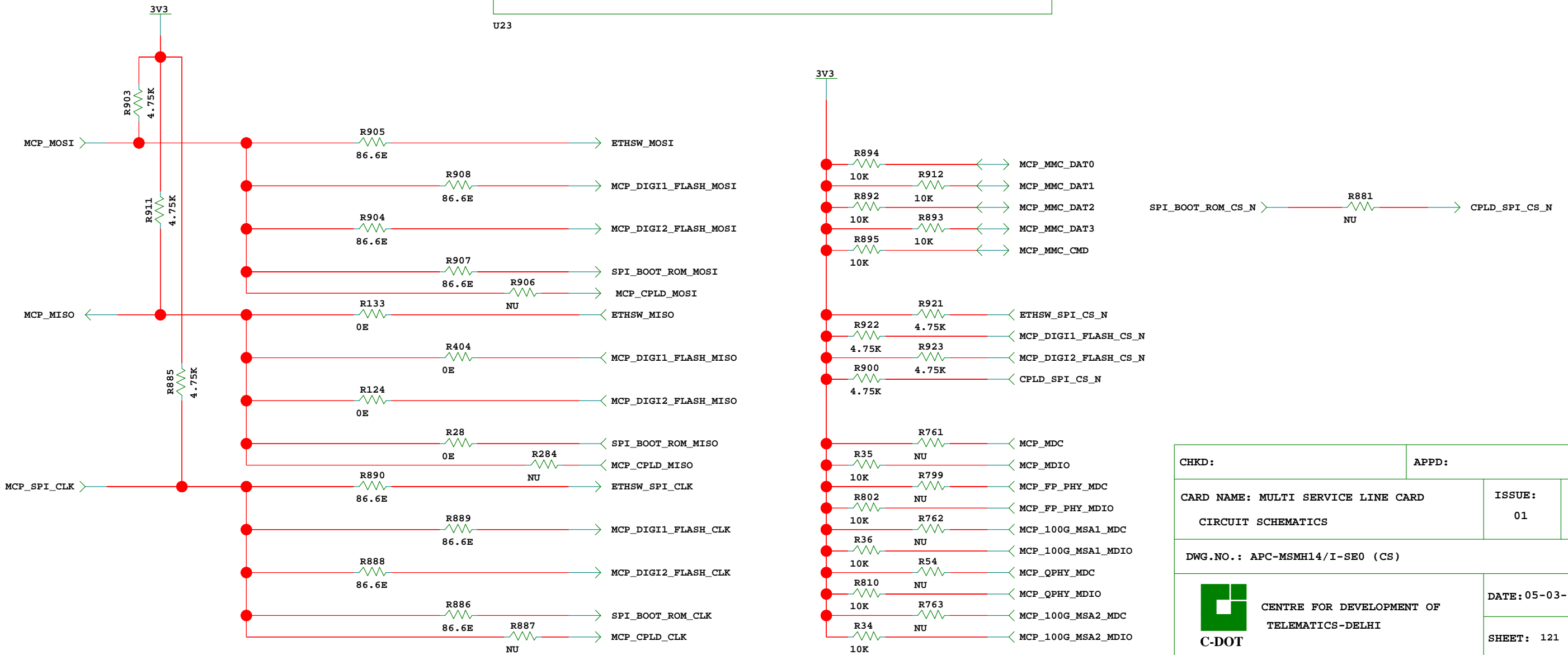
NU = NOT USED


P1022-H

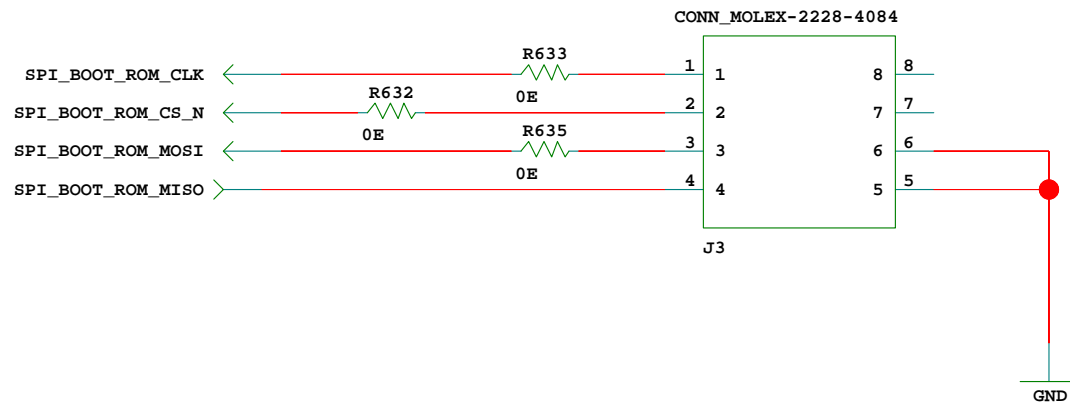
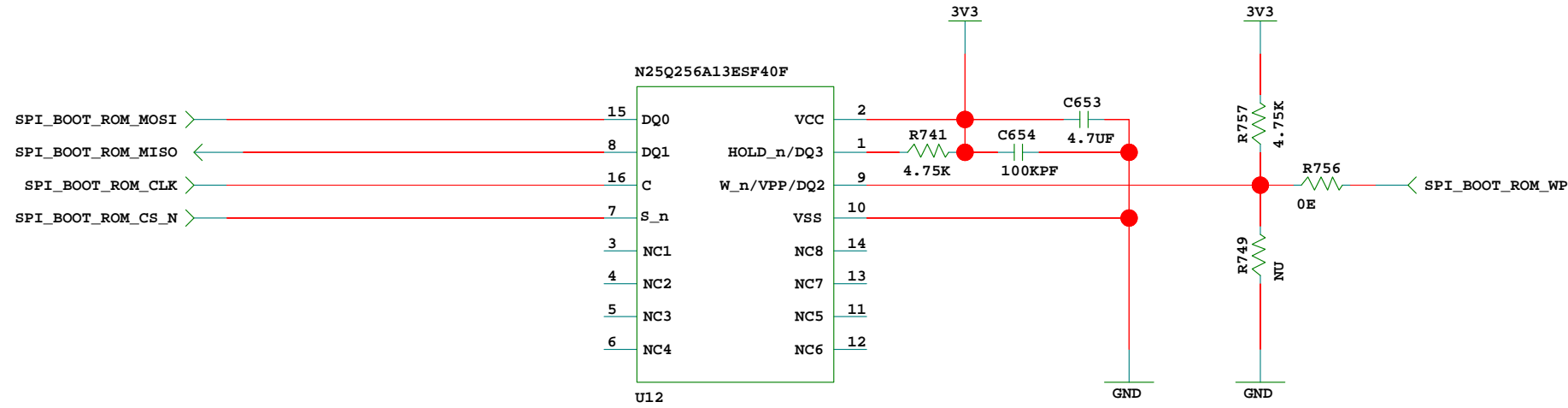
8 OF 15




U23



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE: 01	REV: 00
CIRCUIT SCHEMATICS			
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI			DATE: 05-03-2015
			SHEET: 121 OF 215



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD	ISSUE:	REV:	
CIRCUIT SCHEMATICS	01	00	
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT	DATE: 05-03-2015		
	SHEET: 122 OF 215		

NU = NOT USED

A

B

C

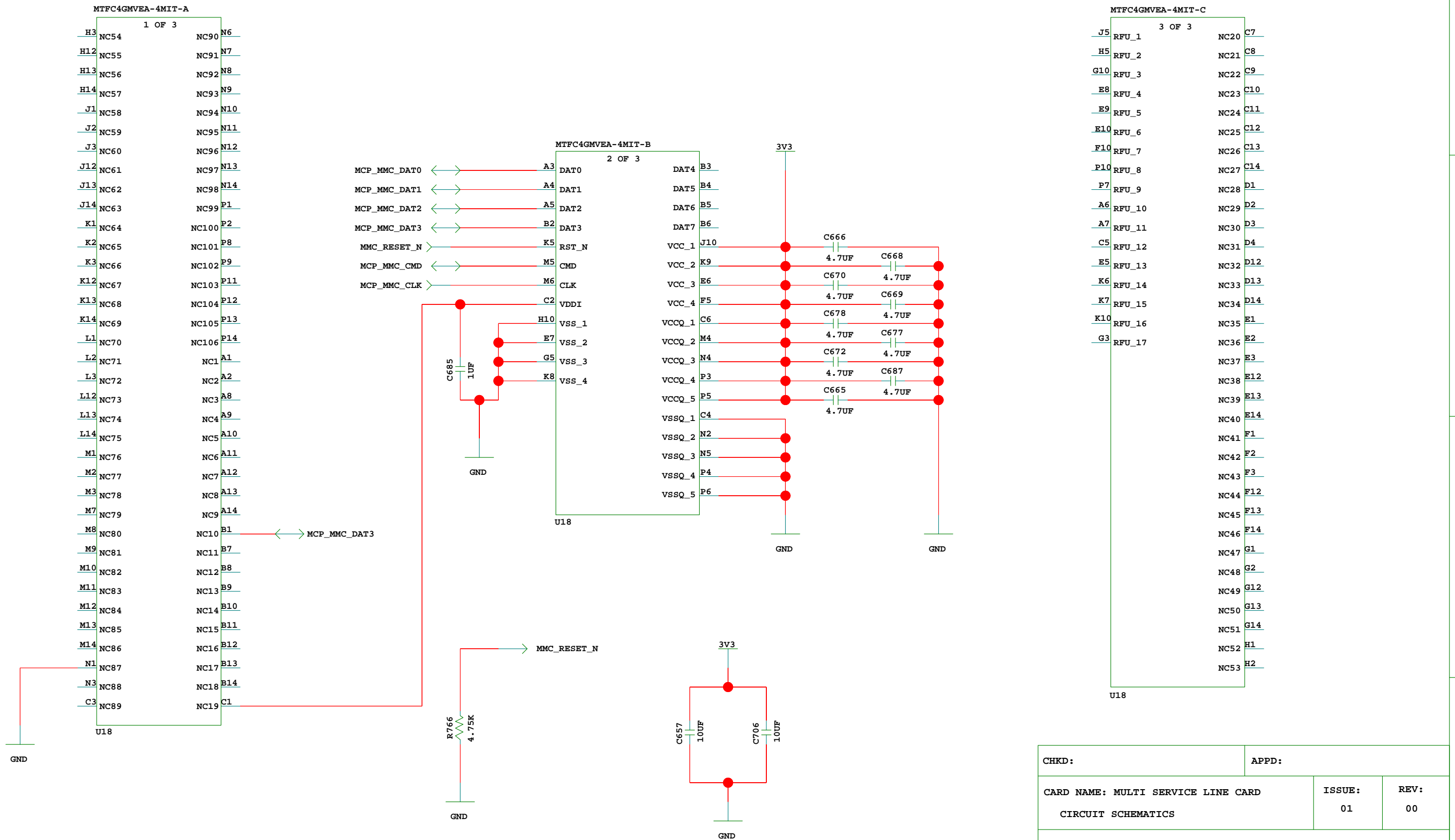
D


A

B

C

D



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD	ISSUE: 01	REV: 00	
CIRCUIT SCHEMATICS			
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI	DATE: 05-03-2015		
	SHEET: 123 OF 215		

NU = NOT USED

A

A

B

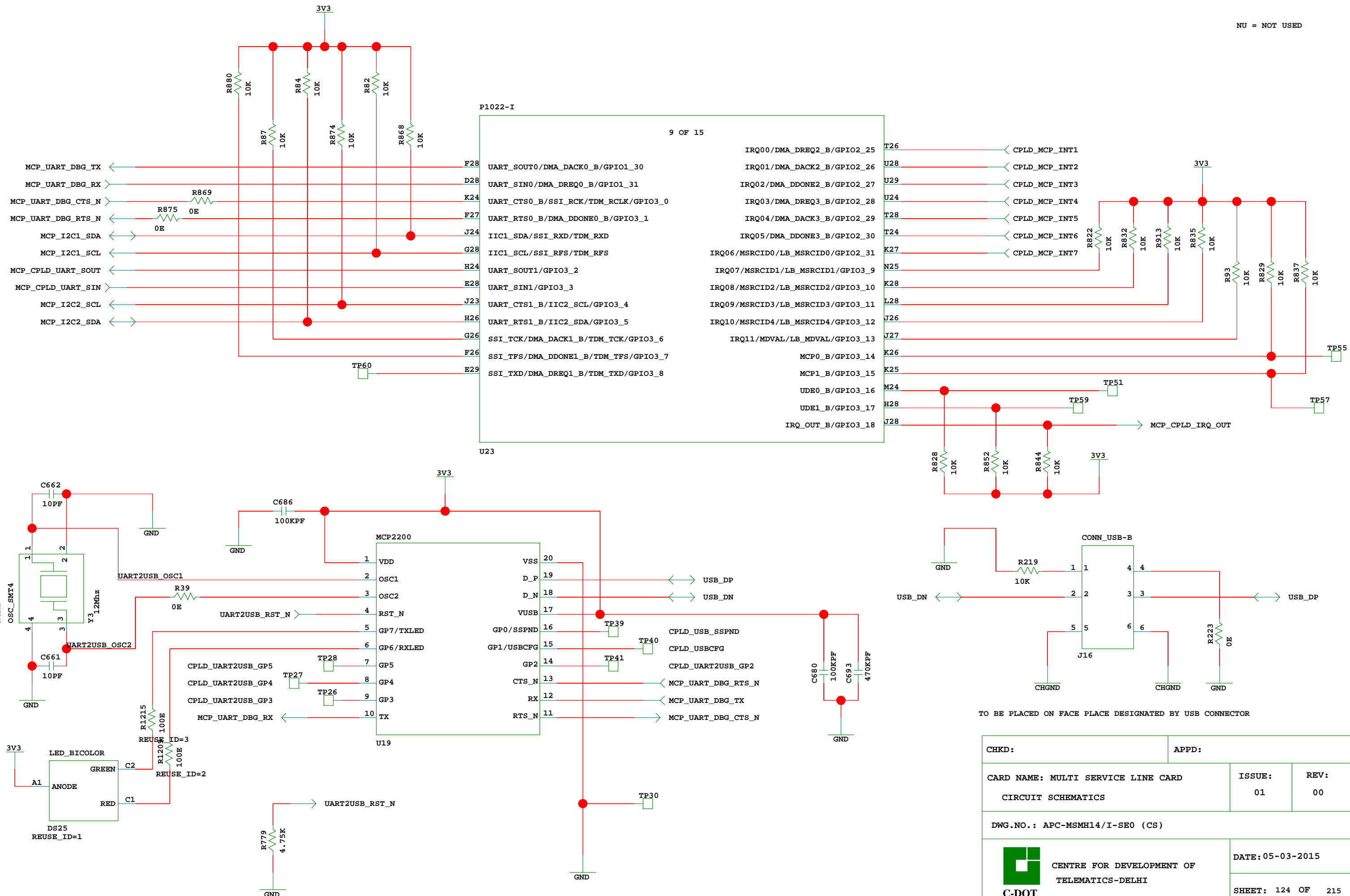
B


C

C

D

D



CHKD:		APPD:	
CARD NAME: MULTI SERVICE LINE CARD		ISSUE: 01	REV: 00
CIRCUIT SCHEMATICS			
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI		DATE: 05-03-2015	
		SHEET: 124 OF 215	

1

2

3

4

5

6

A

B

C

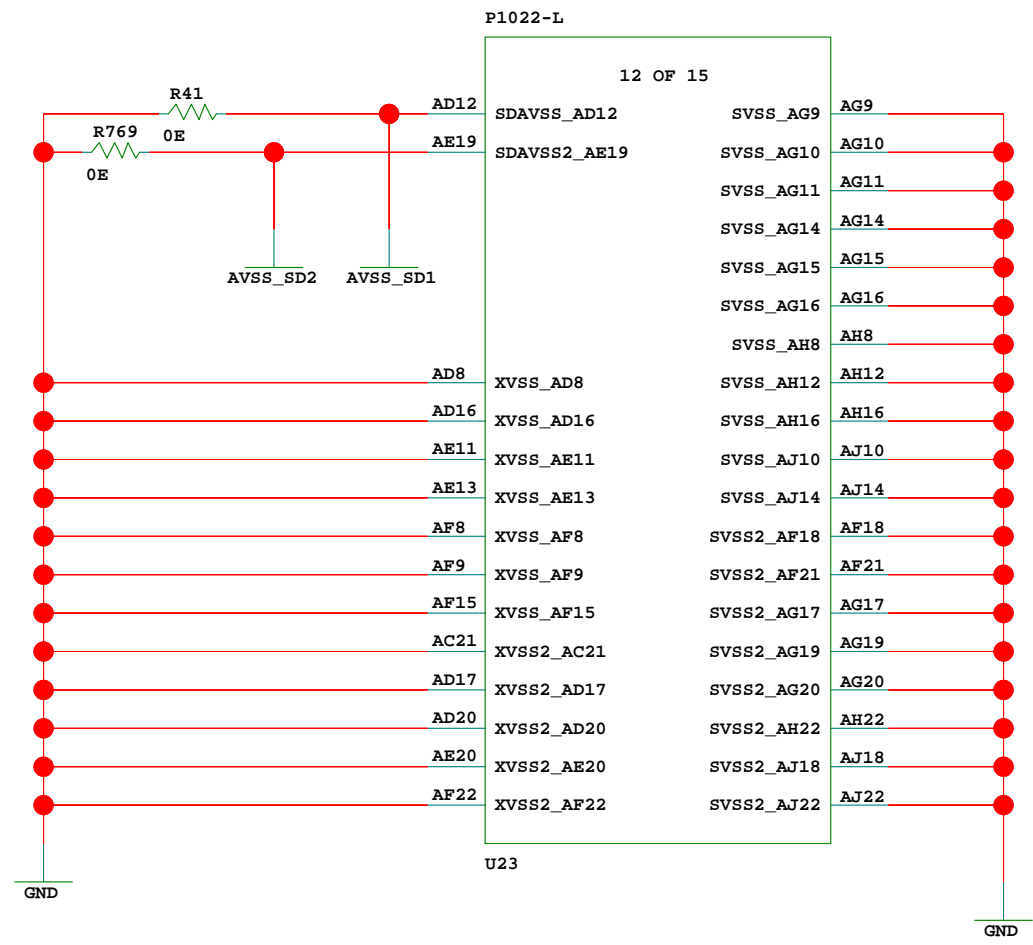
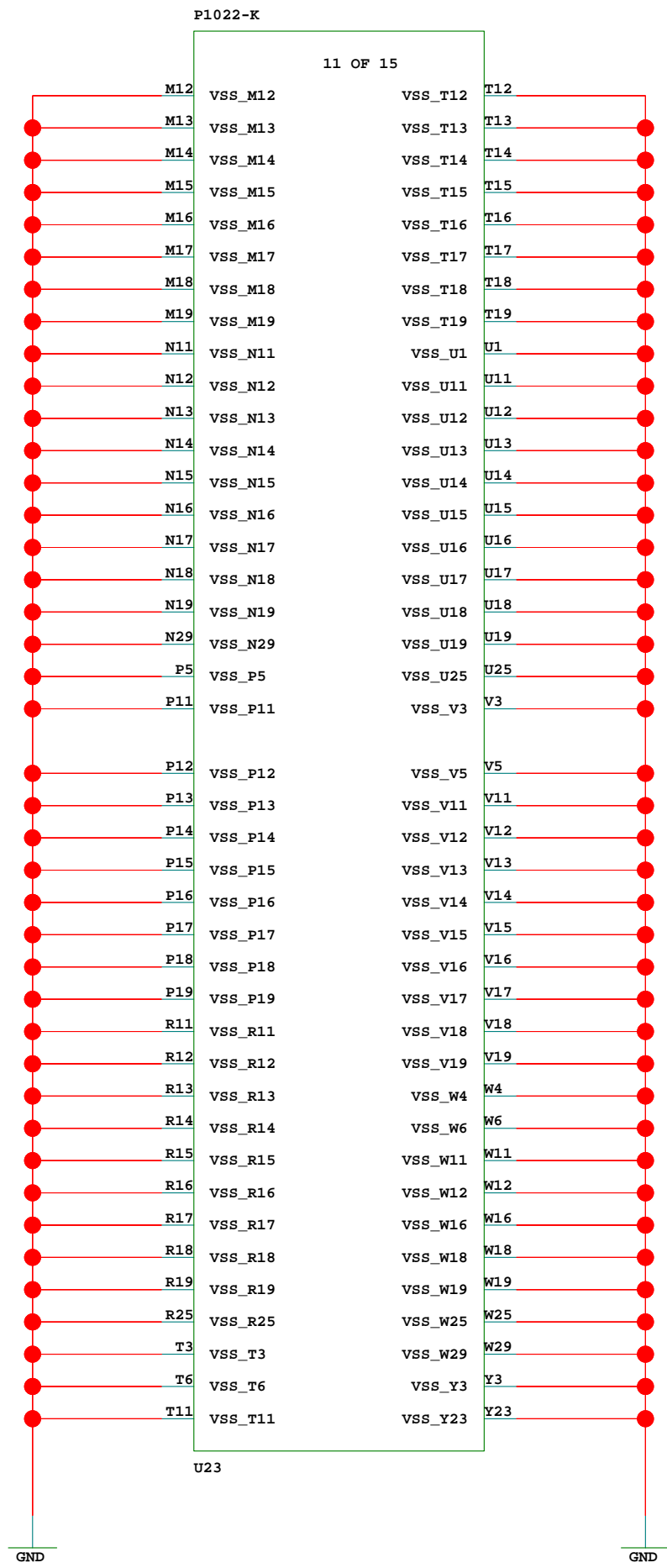
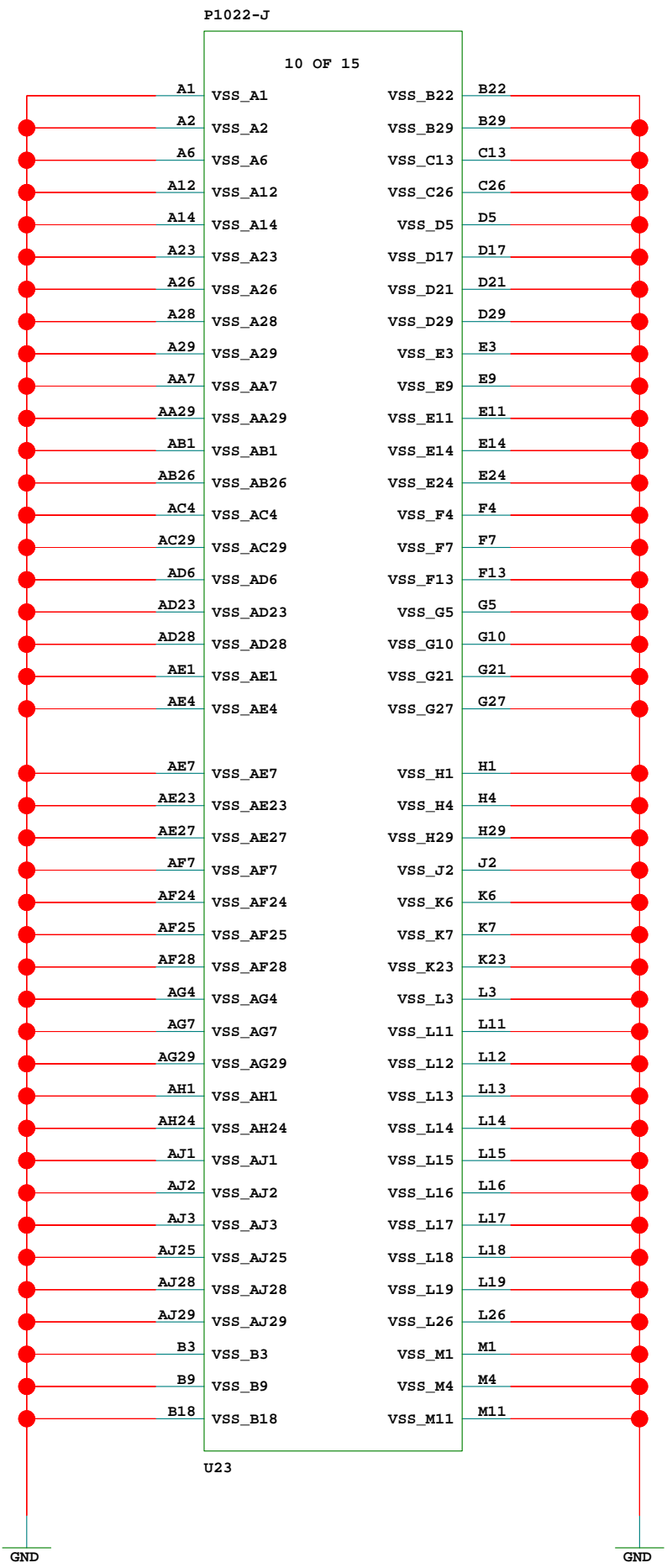
D


A

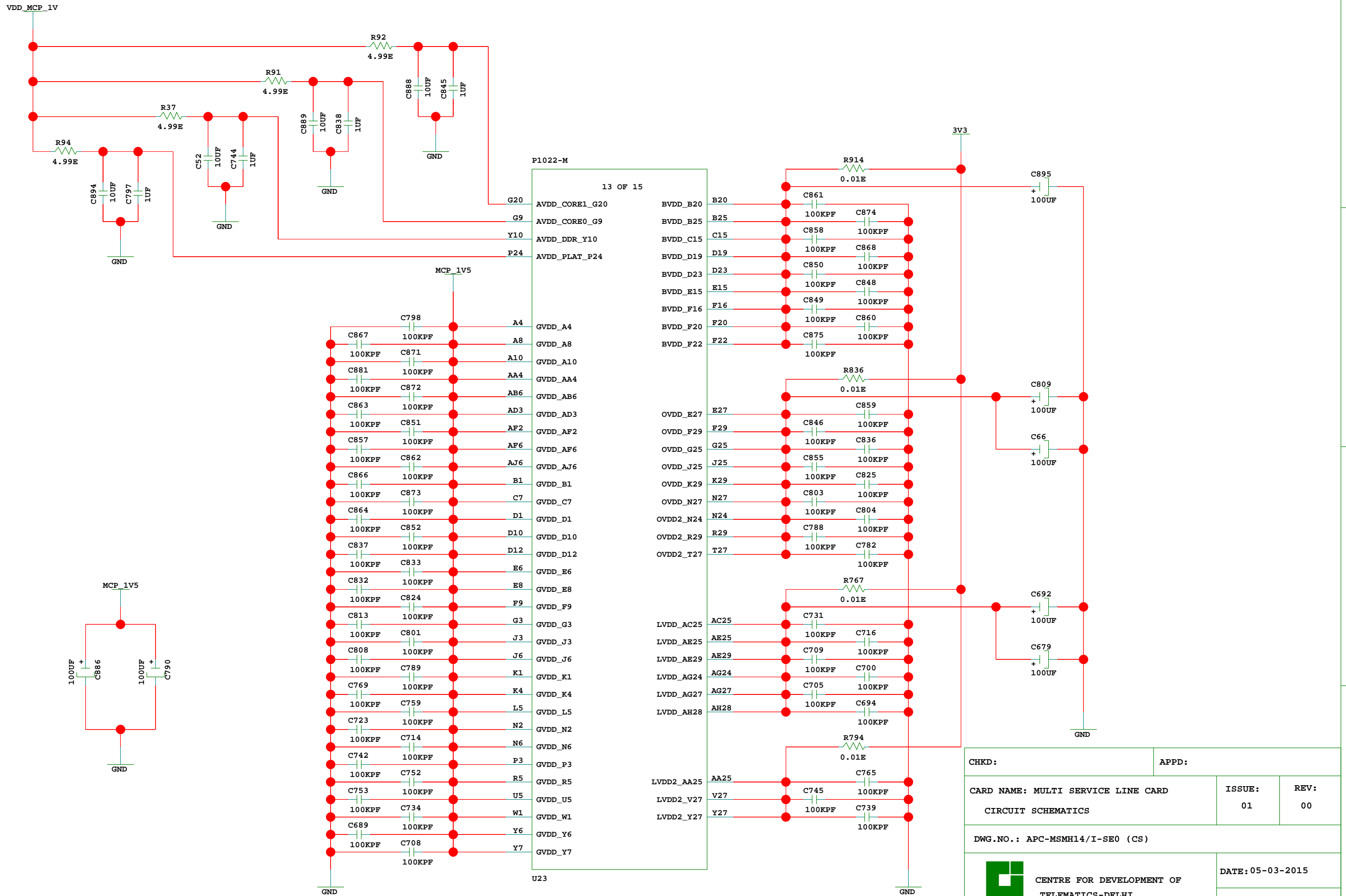
B


C

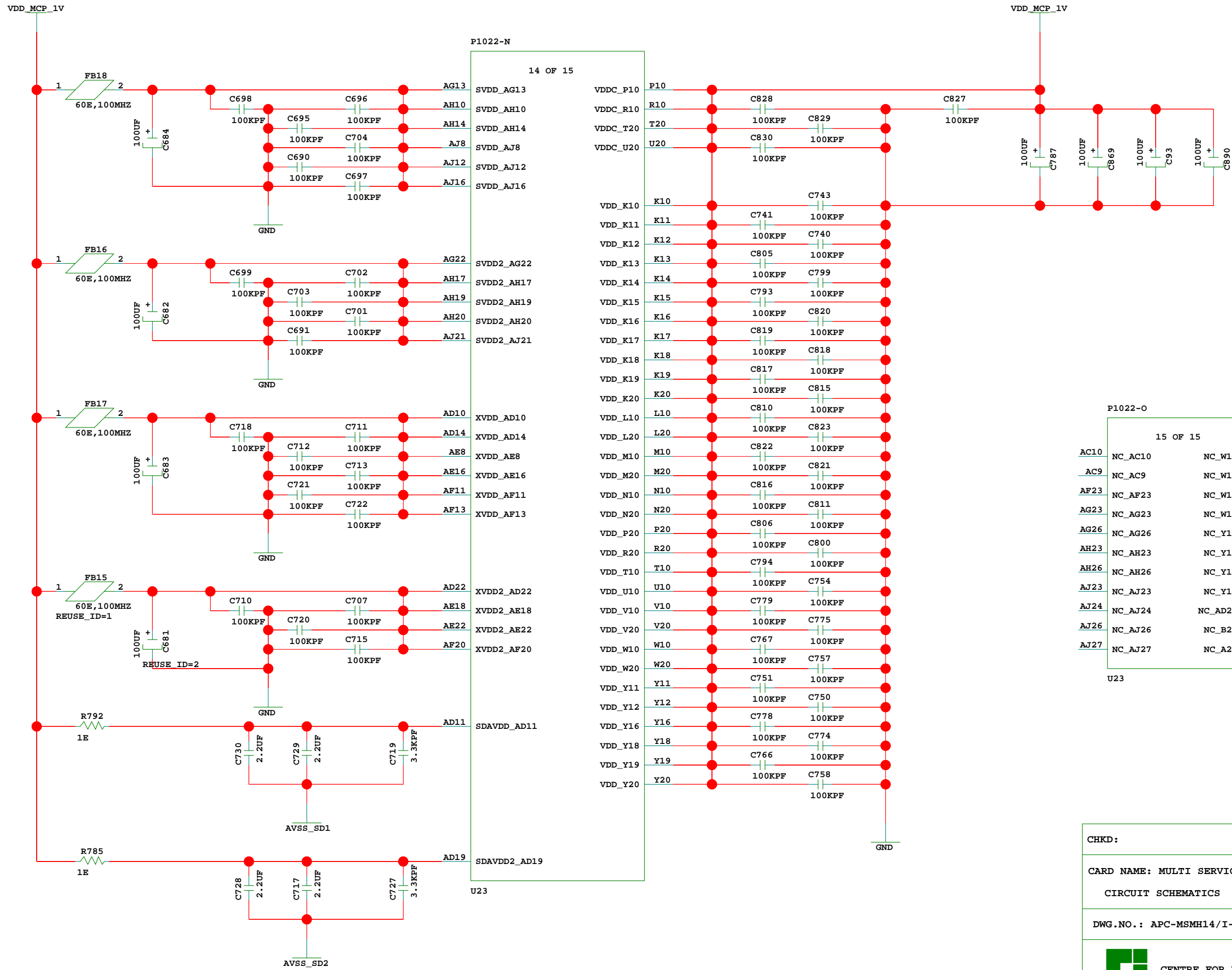
D



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE:	REV:
CIRCUIT SCHEMATICS		01	00
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI		DATE:05-03-2015	
		SHEET: 125 OF 215	



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE:	REV:
CIRCUIT SCHEMATICS		01	00
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI		DATE:05-03-2015	
		SHEET: 126 OF 215	




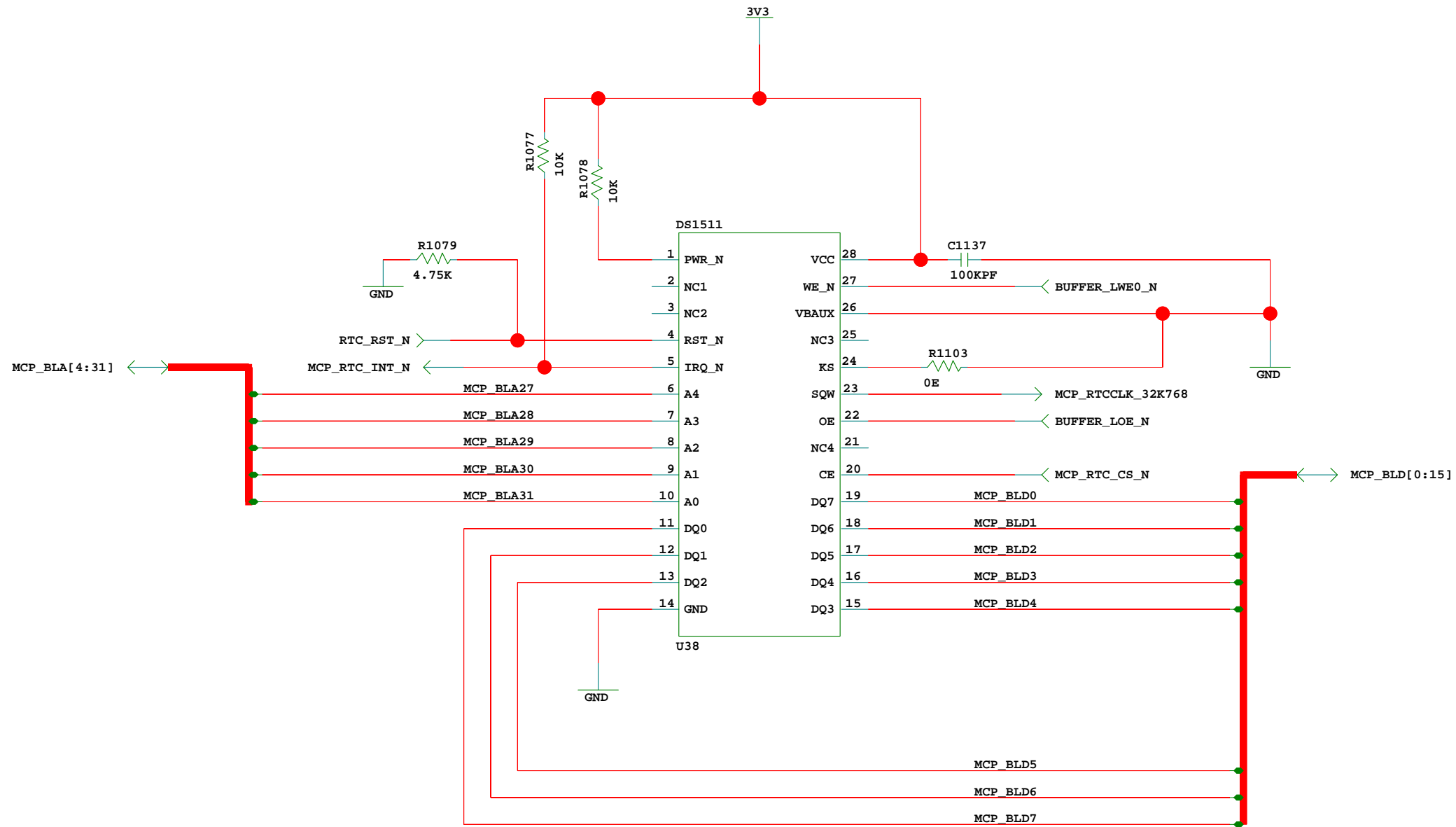
P1022-O


15 OF 15

AC10	NC_AC10	NC_W13	W13
AC9	NC_AC9	NC_W14	W14
AF23	NC_AF23	NC_W15	W15
AG23	NC_AG23	NC_W17	W17
AG26	NC_AG26	NC_Y13	Y13
AH23	NC_AH23	NC_Y14	Y14
AH26	NC_AH26	NC_Y15	Y15
AJ23	NC_AJ23	NC_Y17	Y17
AJ24	NC_AJ24	NC_AD26	AD26
AJ26	NC_AJ26	NC_B26	B26
AJ27	NC_AJ27	NC_A27	A27

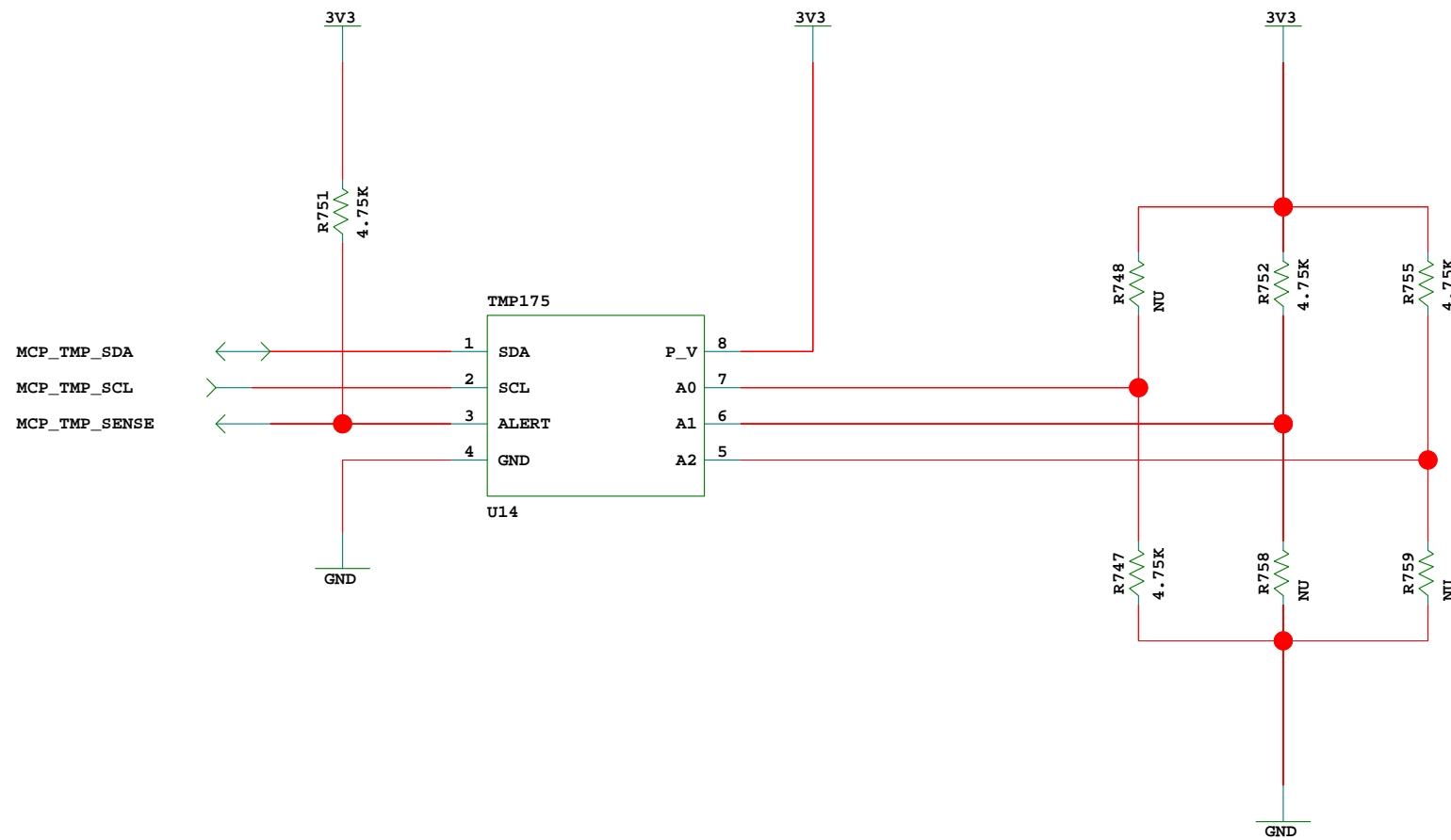
U23

CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE:	REV:
CIRCUIT SCHEMATICS		01	00
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI		DATE:05-03-2015	
		SHEET: 127 OF 215	

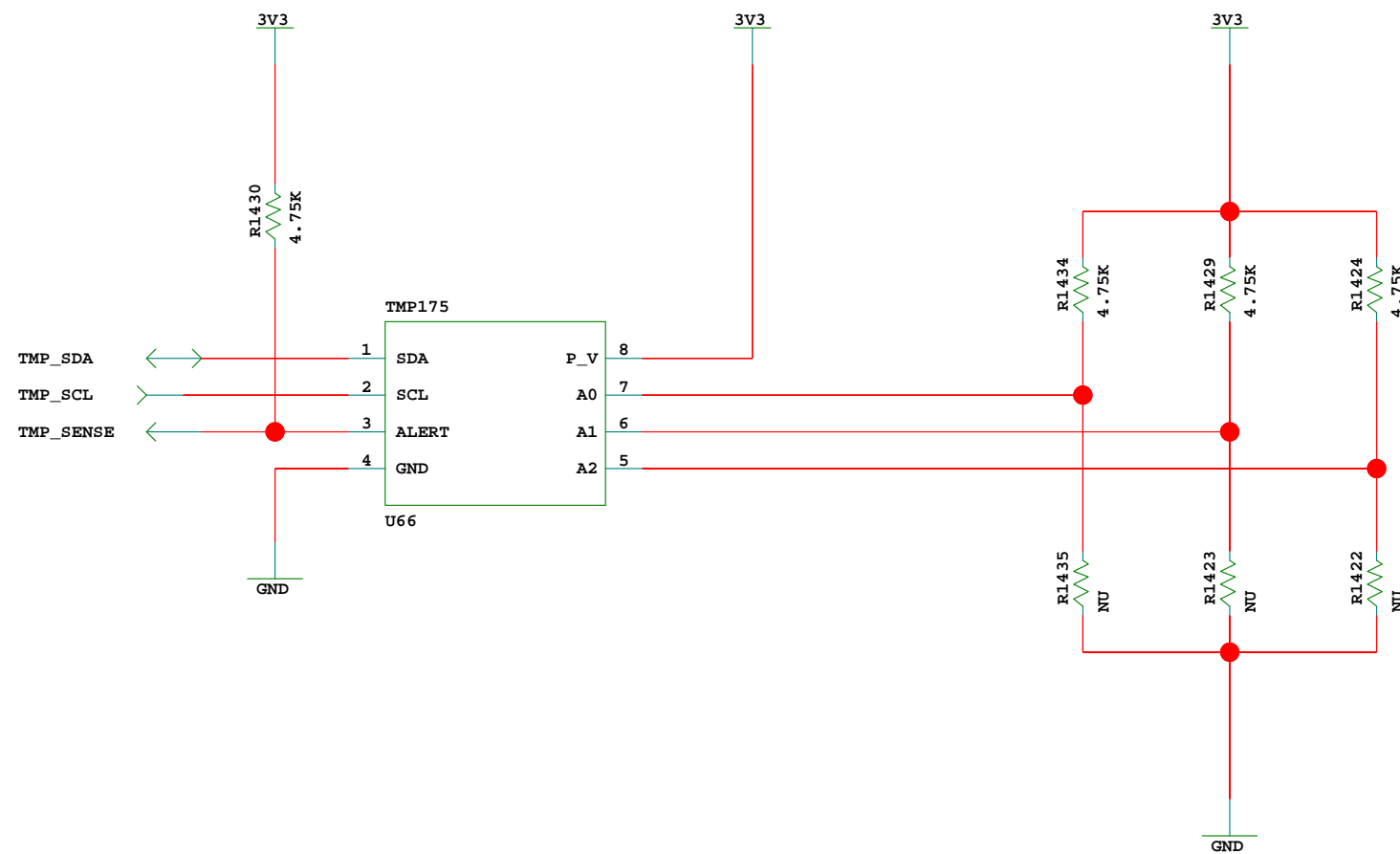


CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD	ISSUE:	REV:	
CIRCUIT SCHEMATICS	01	00	
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT	DATE: 05-03-2015		
	SHEET: 128 OF 215		


NU = NOT USED



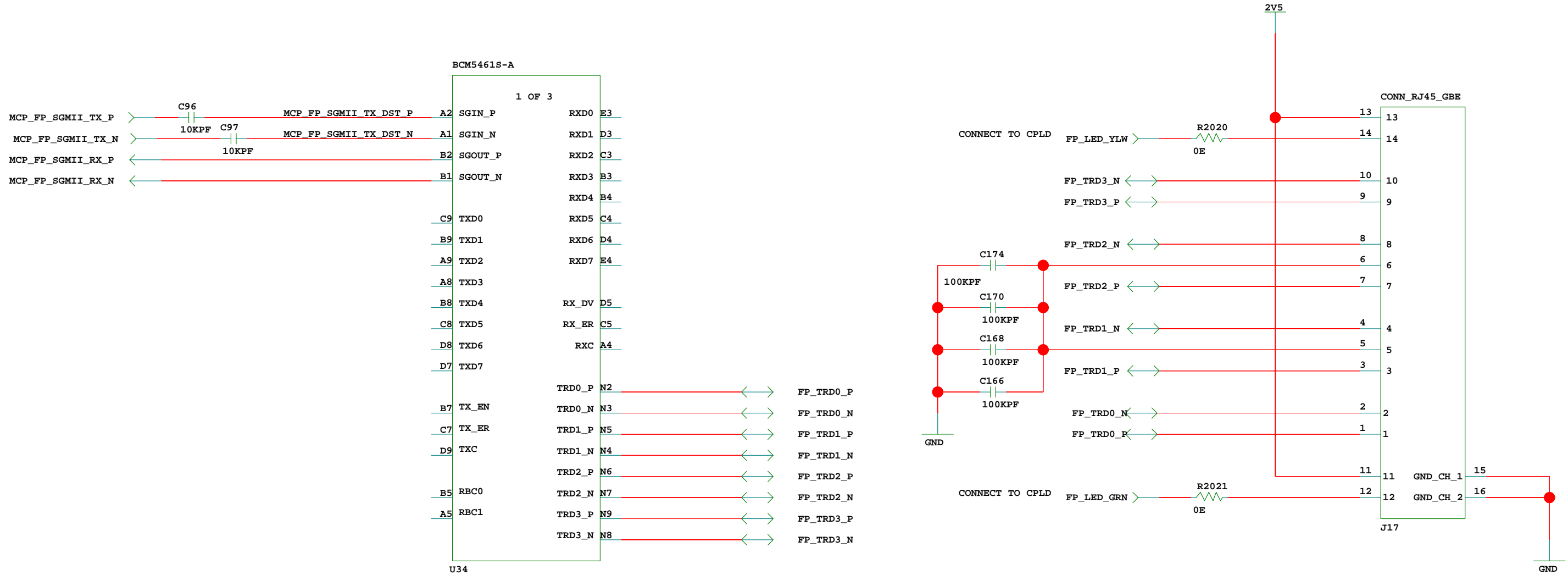
ADDRESS = 4E (HEX)



ADDRESS = 4F (HEX)


CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD	ISSUE:	REV:	
CIRCUIT SCHEMATICS	01	00	
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT	DATE: 05-03-2015		
	SHEET: 129 OF		215

PHY IS BEING USED IN SGMII MODE



RXD[7:0],RXER,CRS,COL,TXD[7:0],GTCLK AND TXC PINS SHOULD BE LEFT FLOATING WHEN IN SGMII MODE AS PER THE DATASHEET

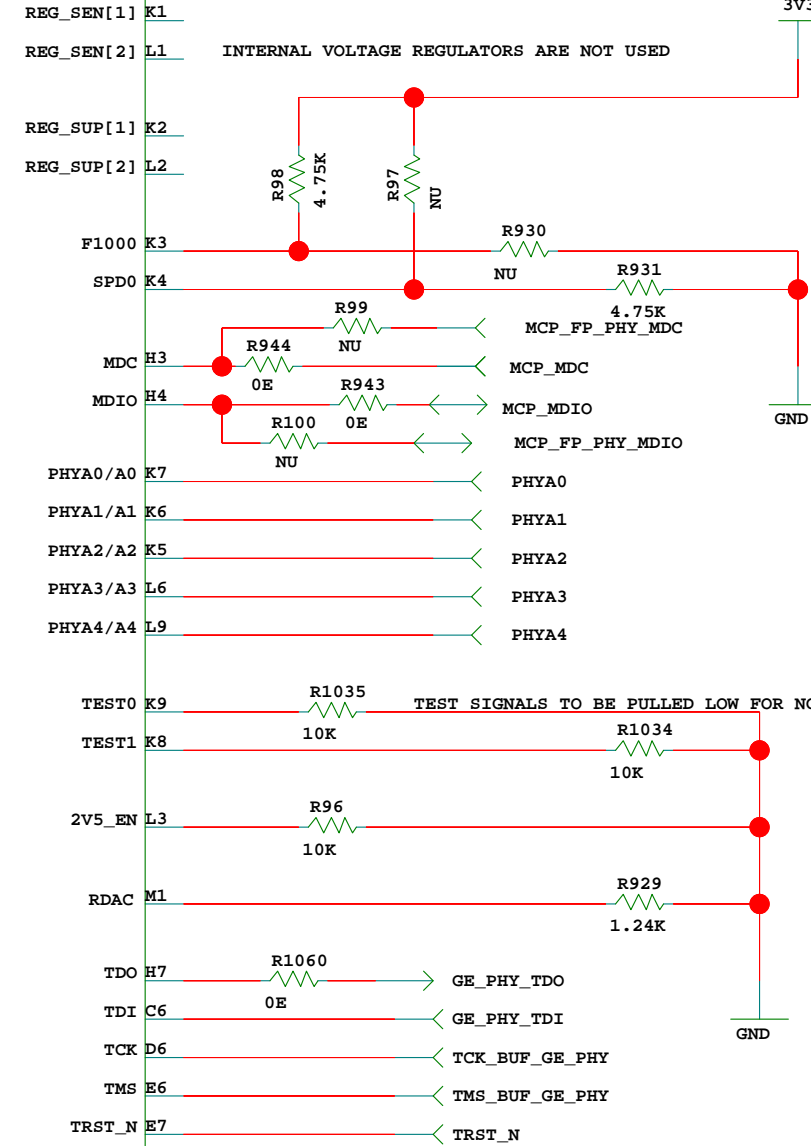
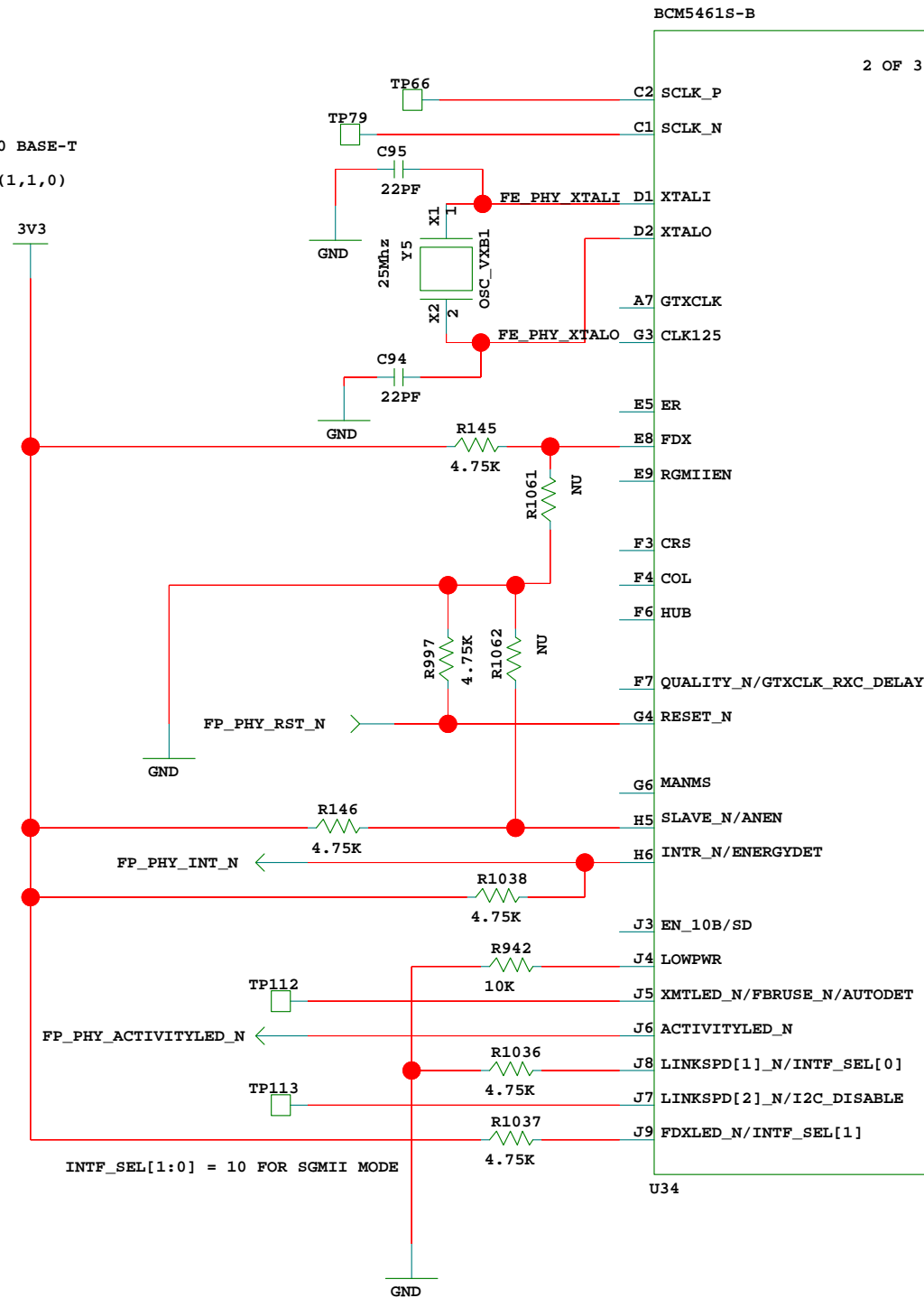
PLEASE COMMENT

CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD	ISSUE:	REV:	
CIRCUIT SCHEMATICS	01	00	
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT	DATE:05-03-2015		
	SHEET: 130 OF 215		

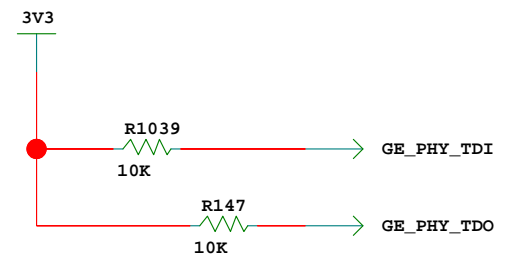
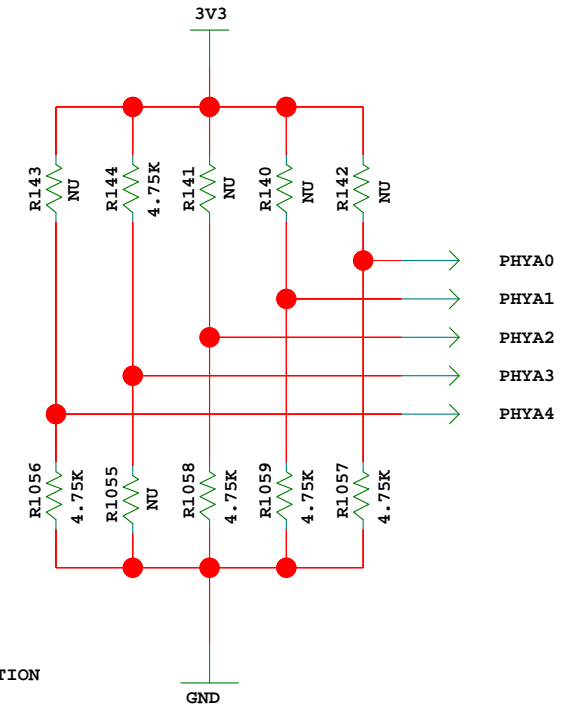
NU = NOT USED


FOR AUTONEGOTIATE 10/100/1000 BASE-T (ANEN,F1000,SPD0) SHOULD BE (1,1,0)

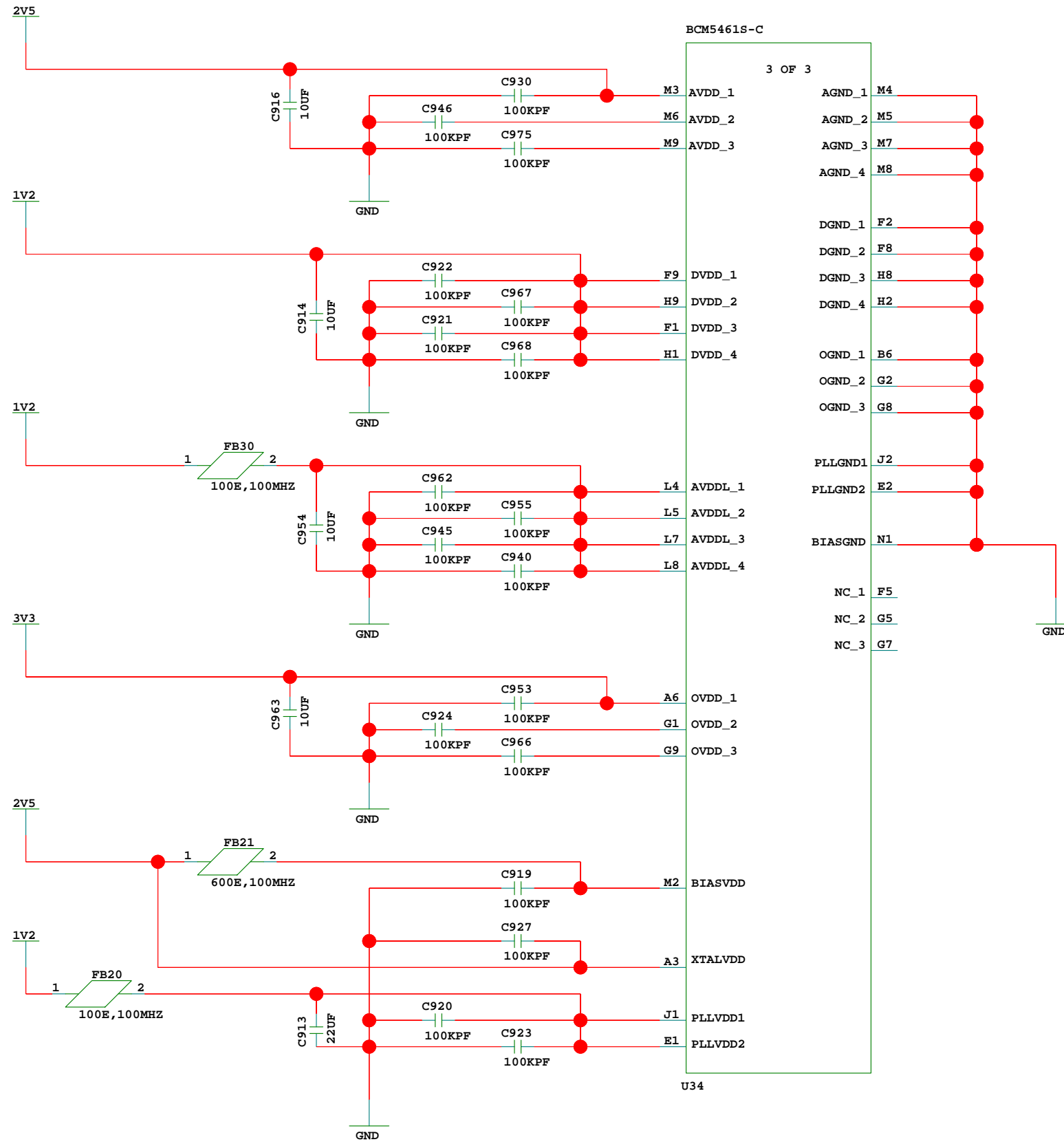
PHY IS INITIALLY IN RESET




ADDRESS : PHYA[4:0] = 01000(8)



CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD		ISSUE: 01	REV: 00
CIRCUIT SCHEMATICS			
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI		DATE: 05-03-2015	
		SHEET: 131 OF 215	



3 OF 3

CHKD:	APPD:		
CARD NAME: MULTI SERVICE LINE CARD	ISSUE:	REV:	
CIRCUIT SCHEMATICS	01	00	
DWG.NO.: APC-MSMH14/I-SE0 (CS)			
 CENTRE FOR DEVELOPMENT OF TELEMATICS-DELHI C-DOT	DATE: 05-03-2015		
	SHEET: 132 OF 215		