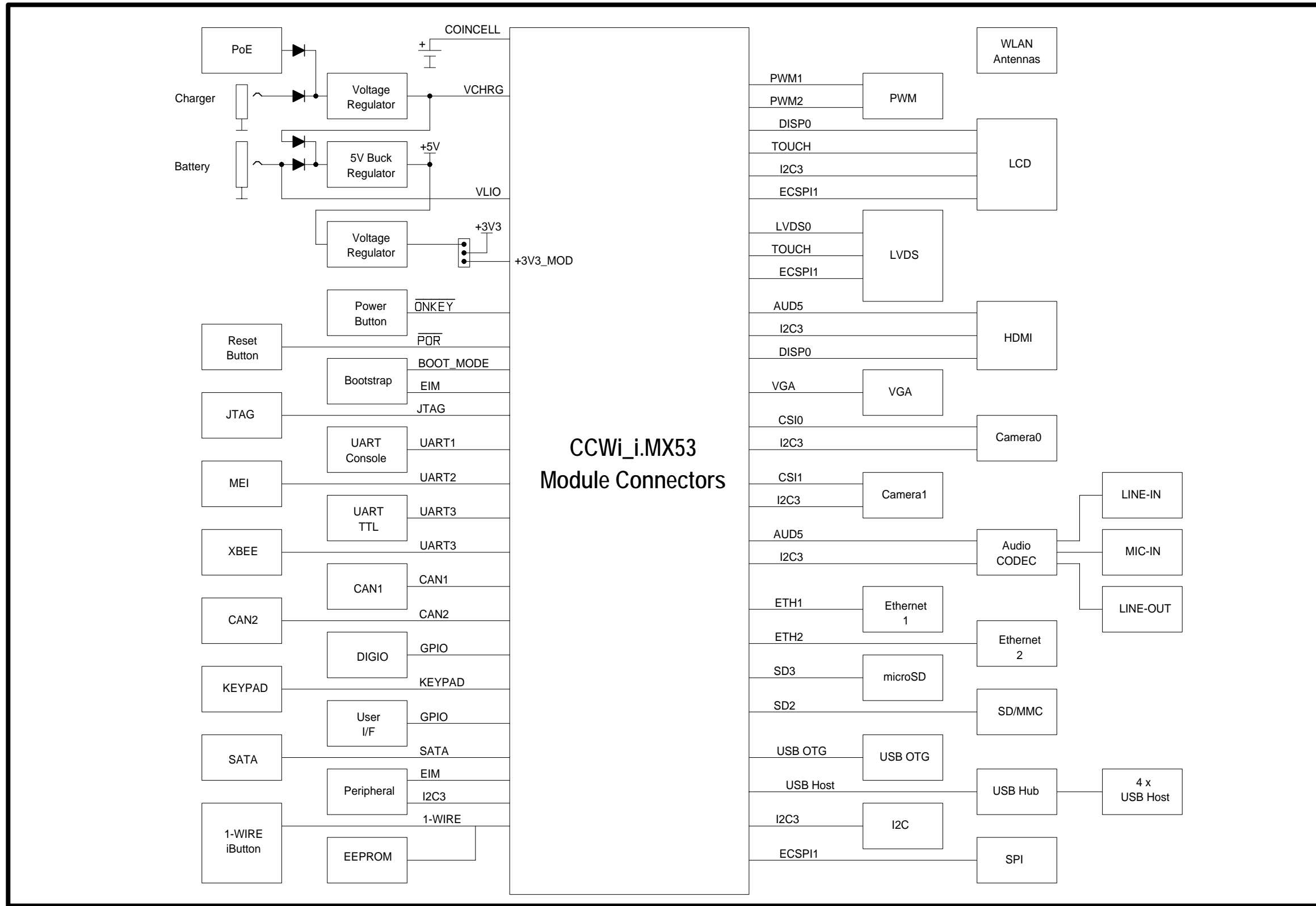
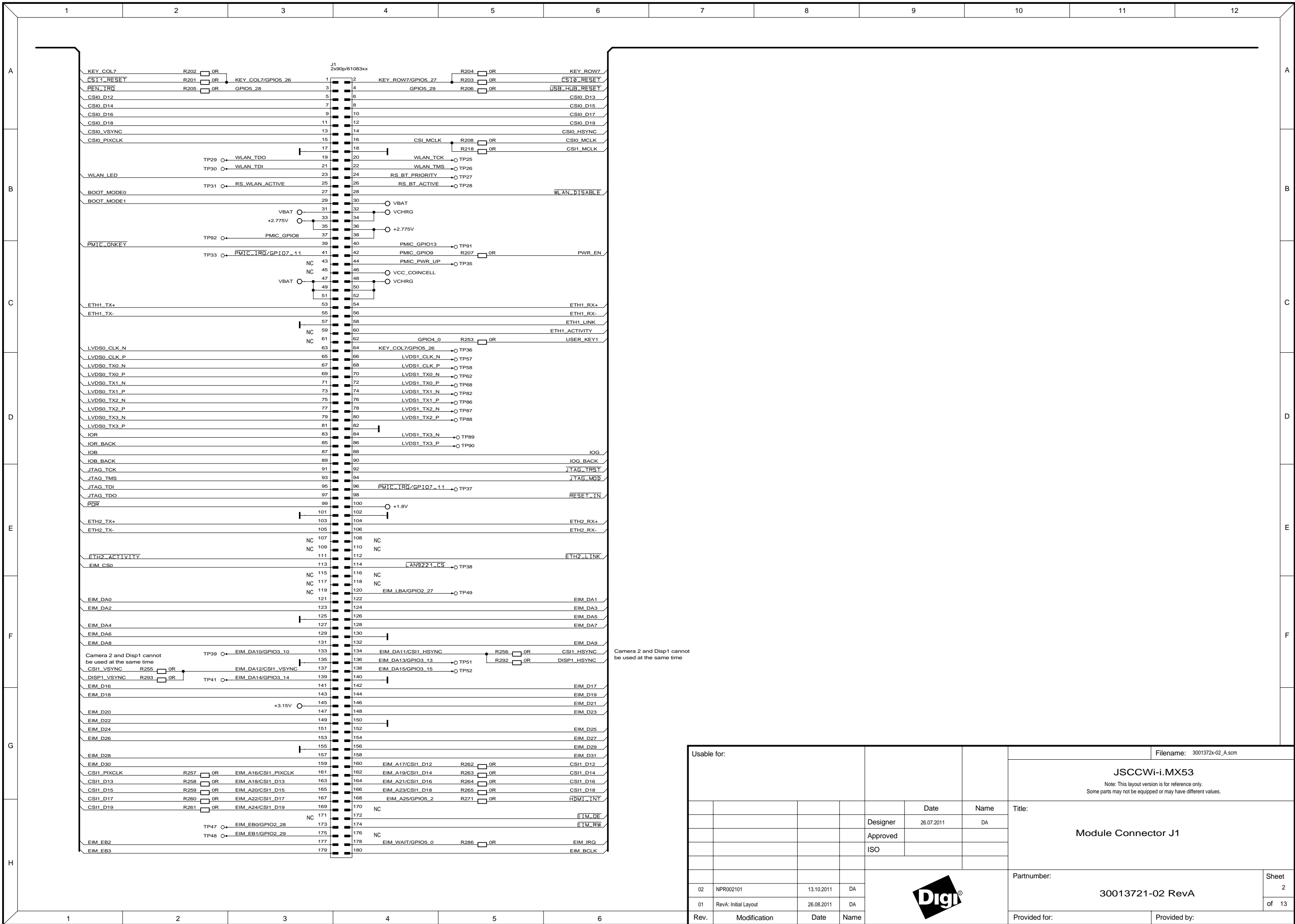


ConnectCore Wi-i.MX53 JumpStart board

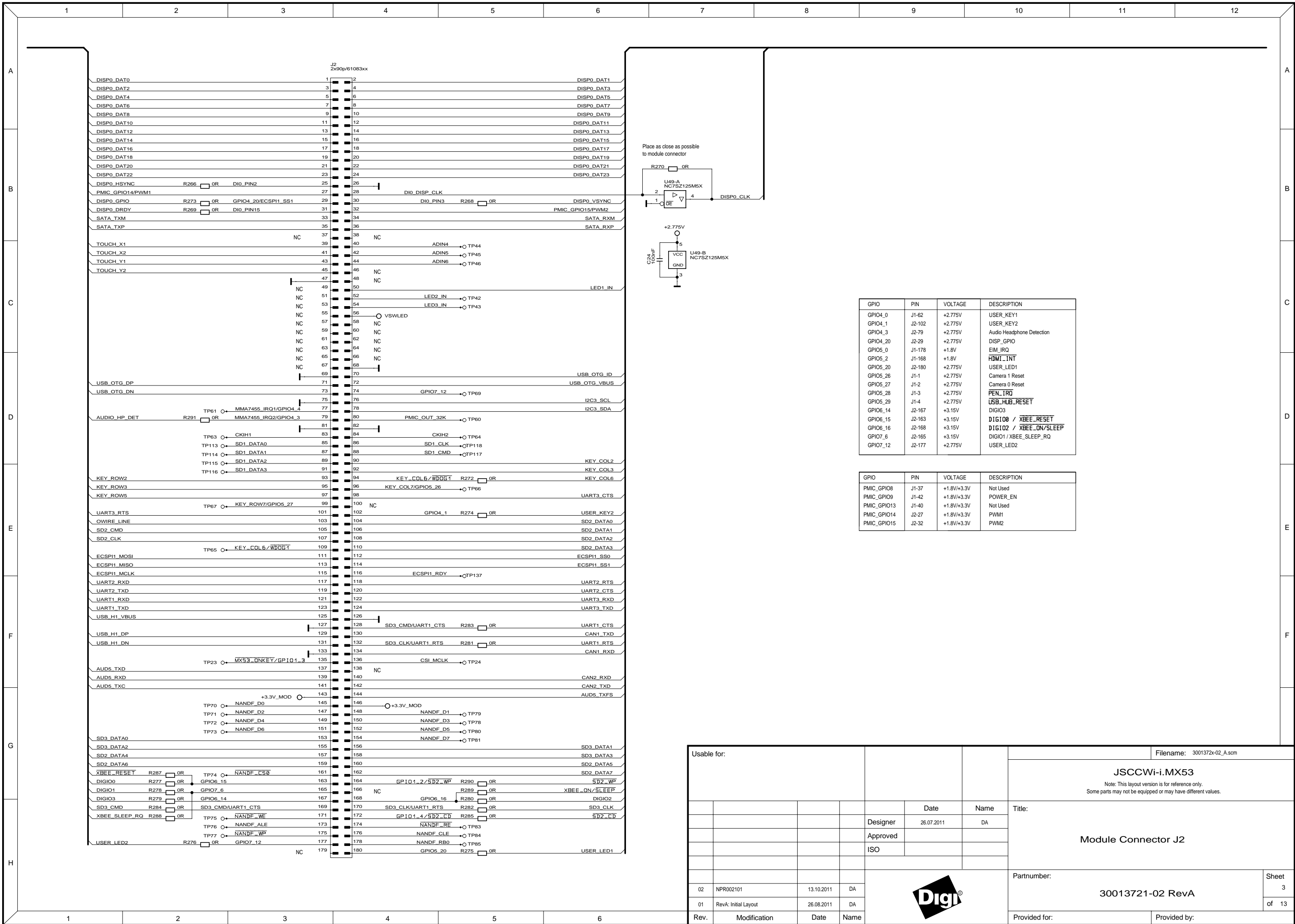


© Digi International Inc.

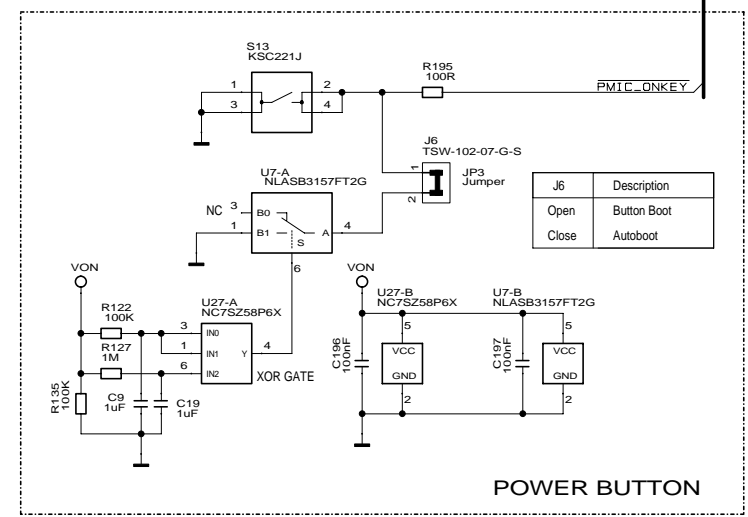
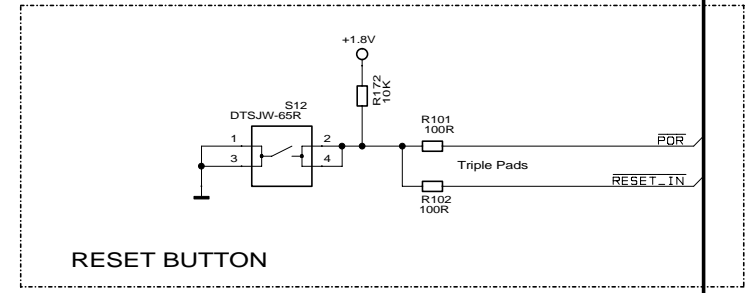
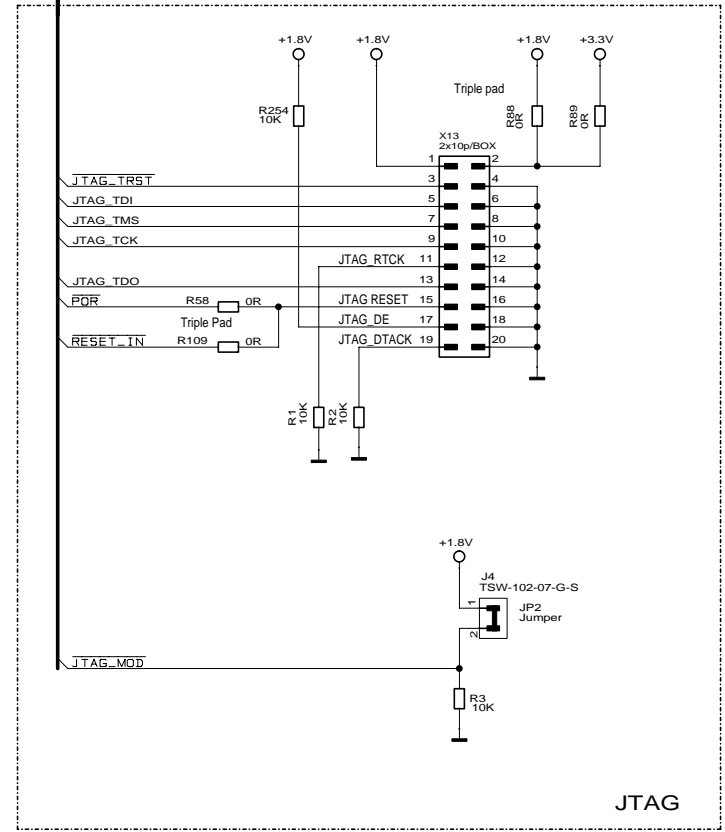
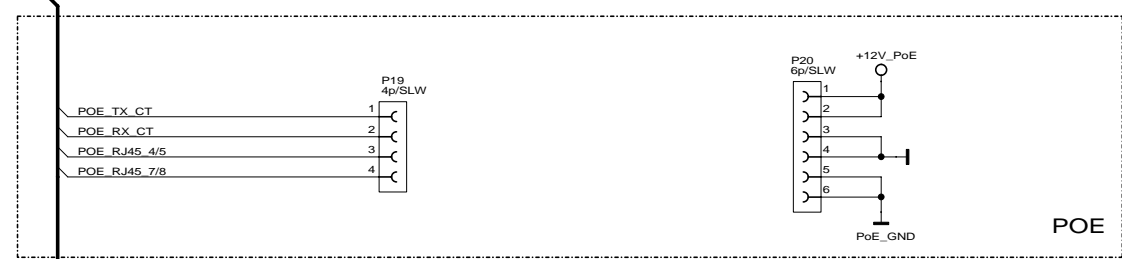
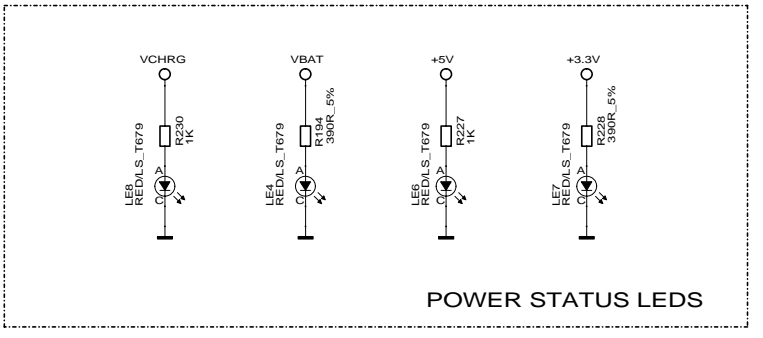
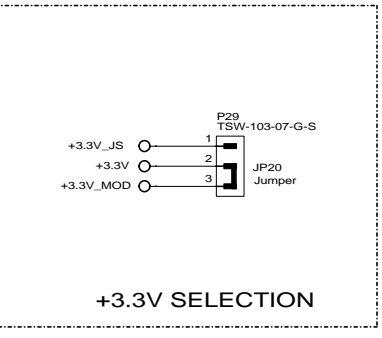
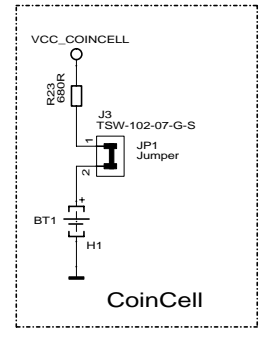
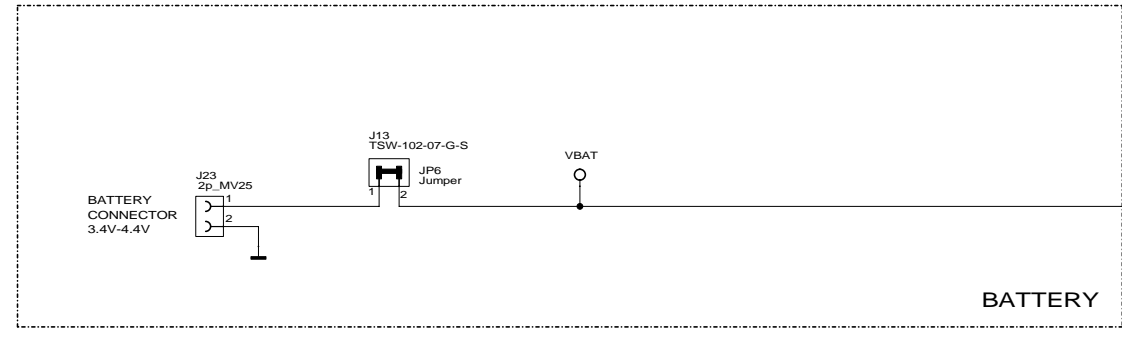
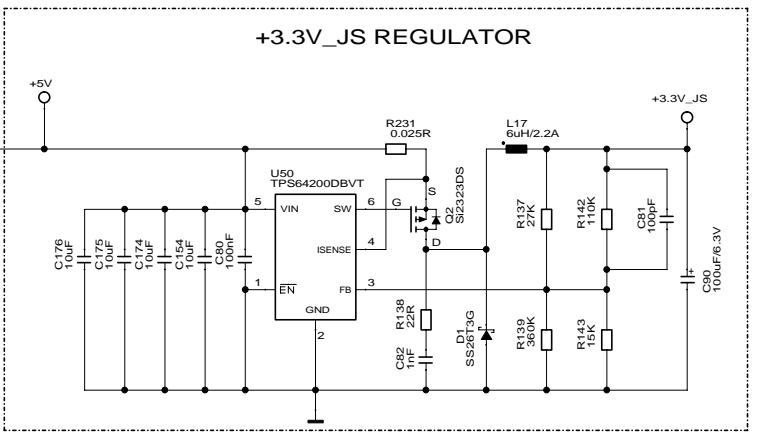
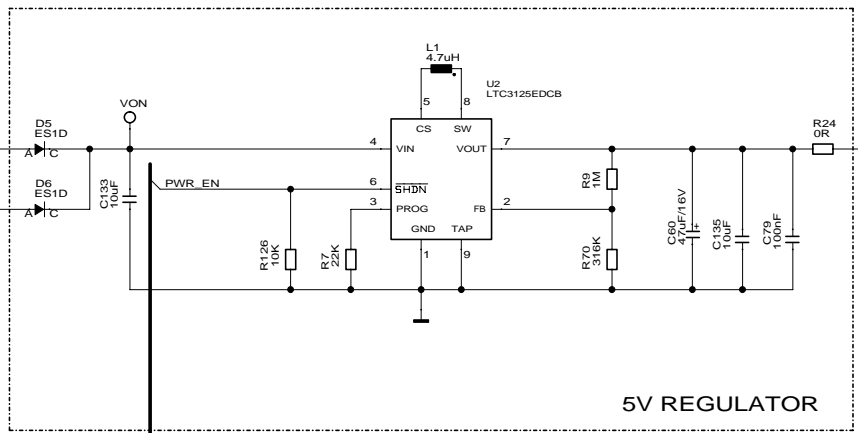
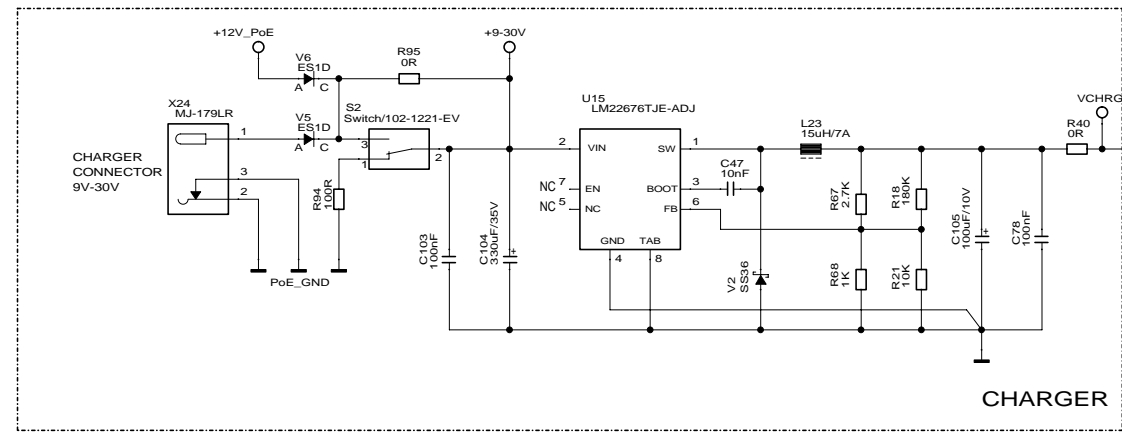
Usable for:				Filename: 3001372x-02_A.scm		
JSCCW-i.MX53 <small>Note: This layout version is for reference only. Some parts may not be equipped or may have different values.</small>						
				Title:		
				Block Diagram		
				Partnumber:		Sheet
				30013721-02 RevA		1
				Provided for:		of 13
				Provided by:		
02	NPR002101	13.10.2011	DA			
01	RevA: Initial Layout	26.08.2011	DA			
Rev.	Modification	Date	Name			



Usable for:				Filename: 3001372x-02_A.scm	
JSCCW-i.MX53					
<small>Note: This layout version is for reference only. Some parts may not be equipped or may have different values.</small>					
Title:		Date		Name	
Module Connector J1		26.07.2011		DA	
		Designer		DA	
		Approved		ISO	
Partnumber:				Sheet	
30013721-02 RevA				2	
Provided for:				Provided by:	
02	NPR002101	13.10.2011	DA		
01	RevA: Initial Layout	26.08.2011	DA		
Rev.	Modification	Date	Name		



Usable for:				Filename: 3001372x-02_A.scm	
				JSCCW-i.MX53	
				Note: This layout version is for reference only. Some parts may not be equipped or may have different values.	
		Date	Name	Module Connector J2	
		Designer	DA		
		Approved			
		ISO			
				Partnumber:	Sheet
				30013721-02 RevA	3
				Provided for:	of 13
Rev.	Modification	Date	Name		
02	NPR002101	13.10.2011	DA		
01	RevA: Initial Layout	26.08.2011	DA		

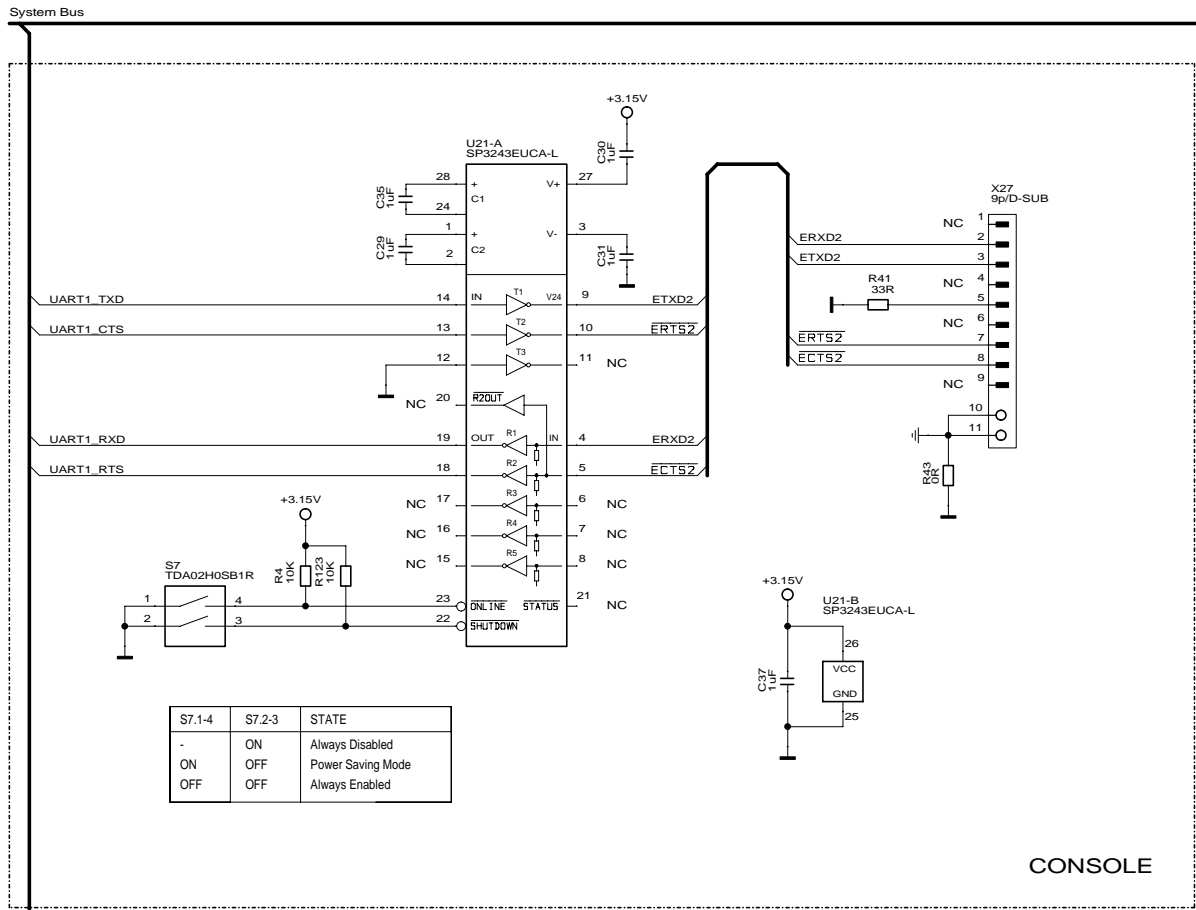


Usable for:		Date		Name		Title:	
		26.07.2011		DA		Power supply, PoE, Coincell, Power button, Reset Button, JTAG	
Designer		Approved		ISO		Partnumber:	
						30013721-02 RevA	
Rev.		Modification		Date		Name	
02		NPR002101		13.10.2011		DA	
01		RevA: Initial Layout		26.08.2011		DA	
Rev.		Modification		Date		Name	
						Provided for:	
						Provided by:	

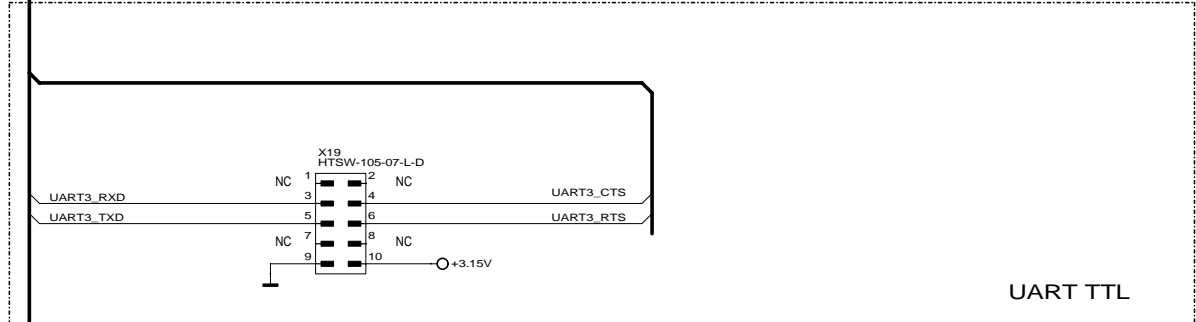


File name: 3001372x-02_A.scm
JSCCW-i.MX53
 Note: This layout version is for reference only. Some parts may not be equipped or may have different values.

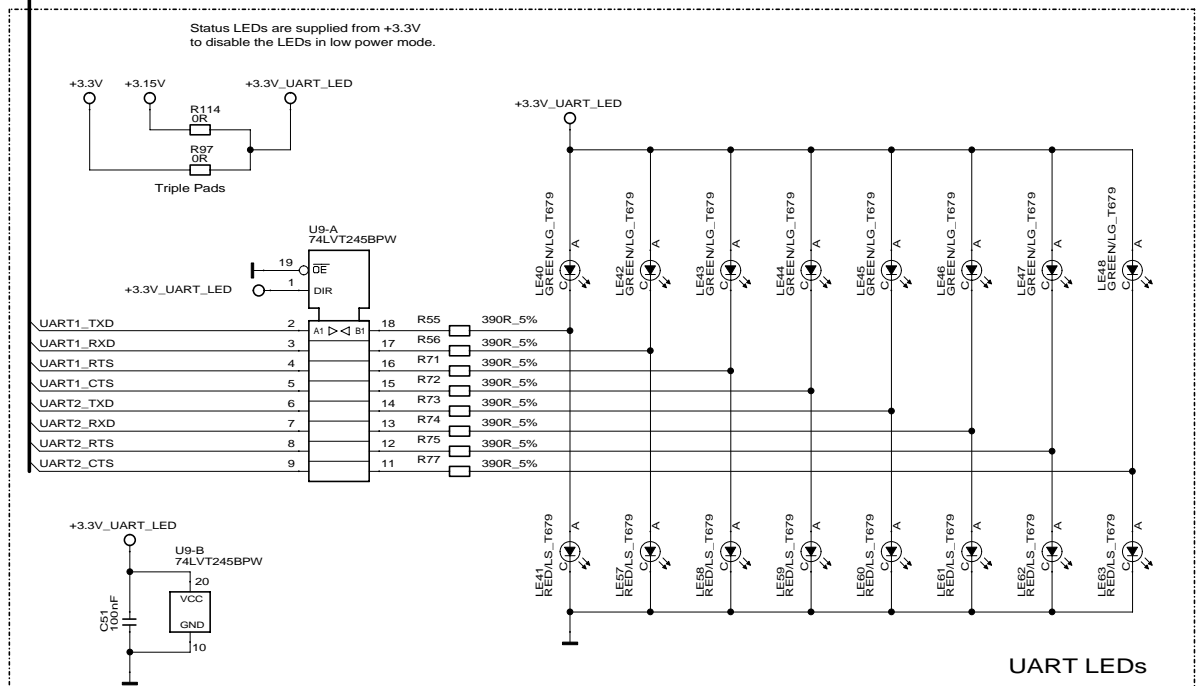
Partnumber: 30013721-02 RevA
 Sheet 4 of 13



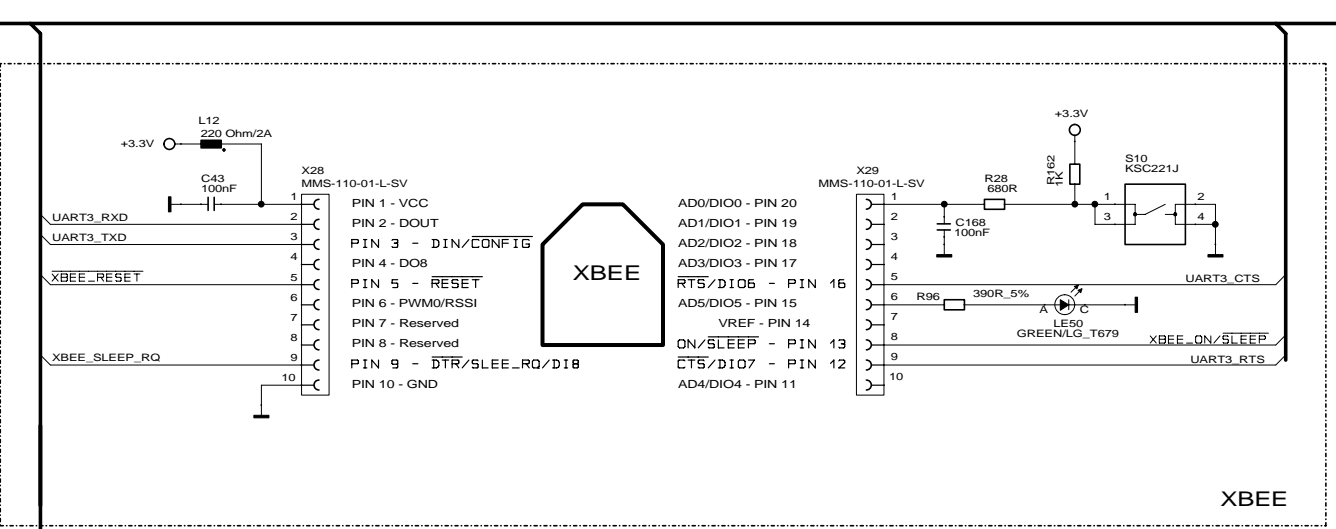
CONSOLE



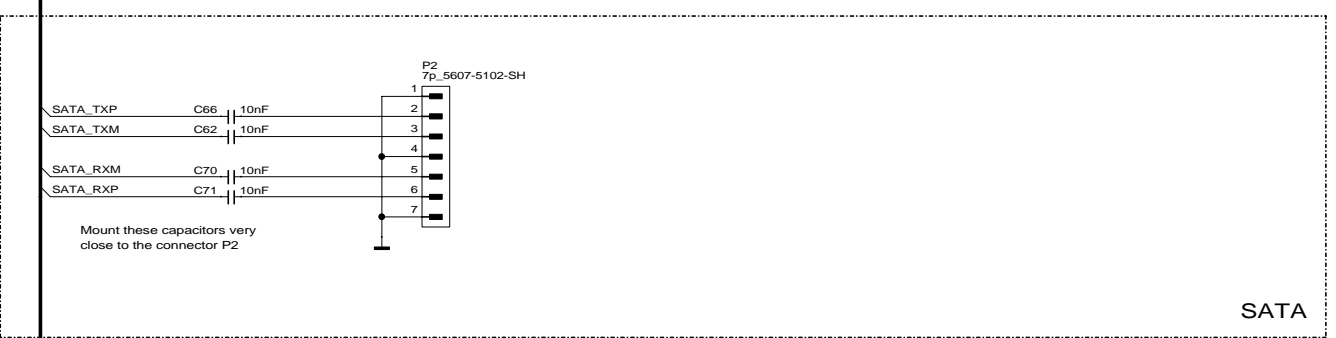
UART TTL



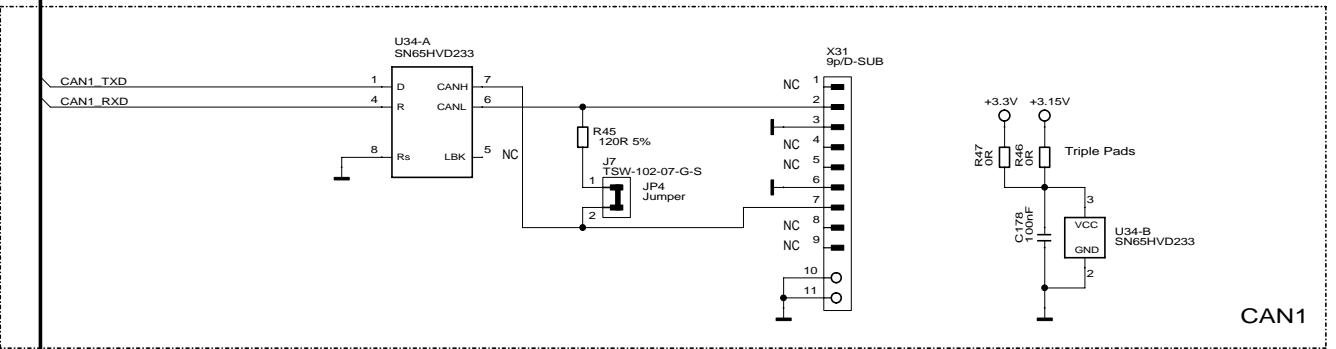
UART LEDs



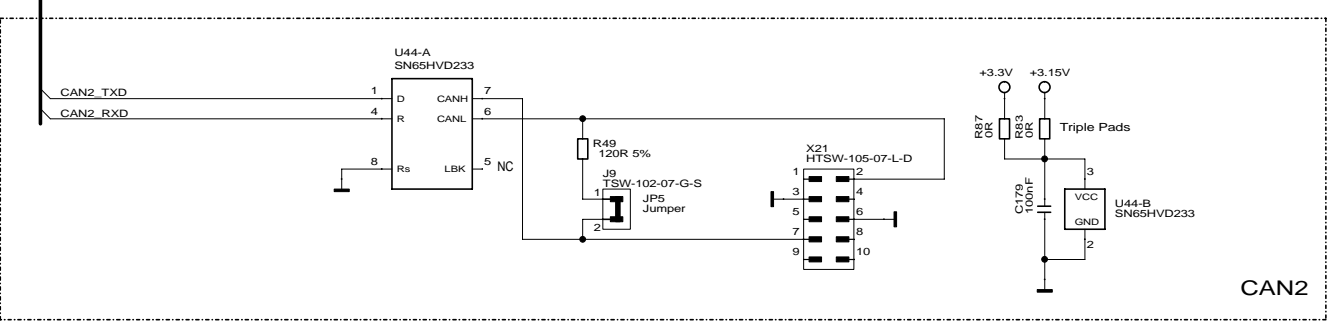
XBEE



SATA



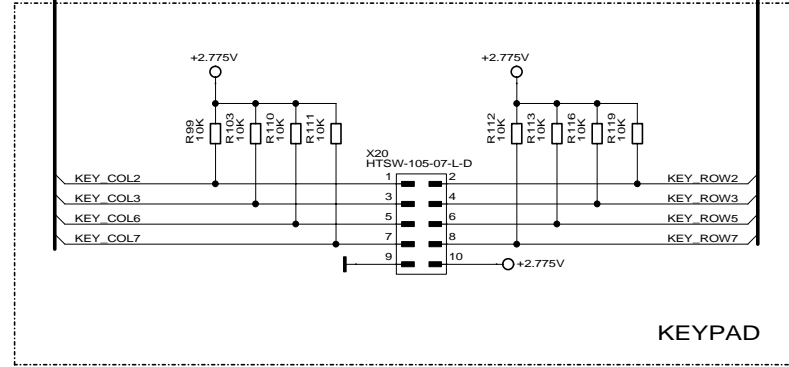
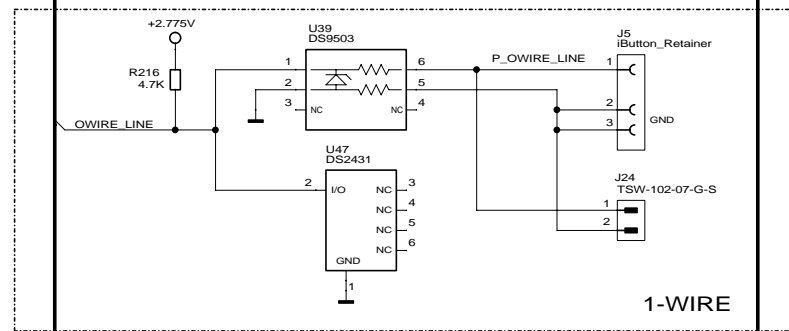
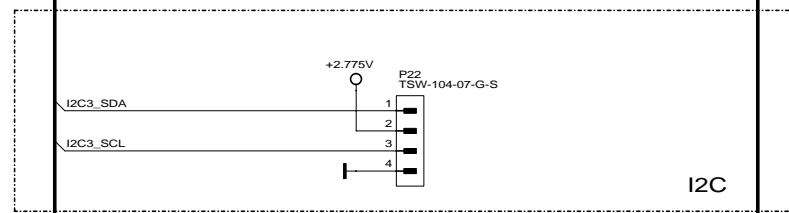
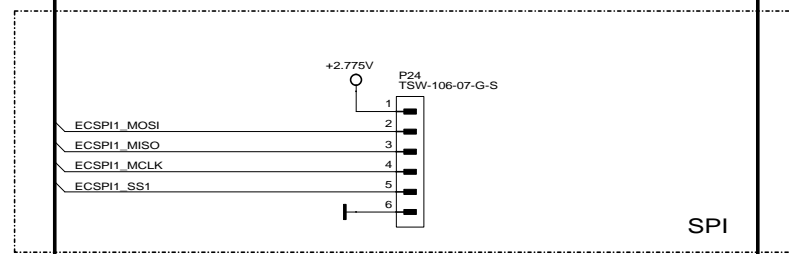
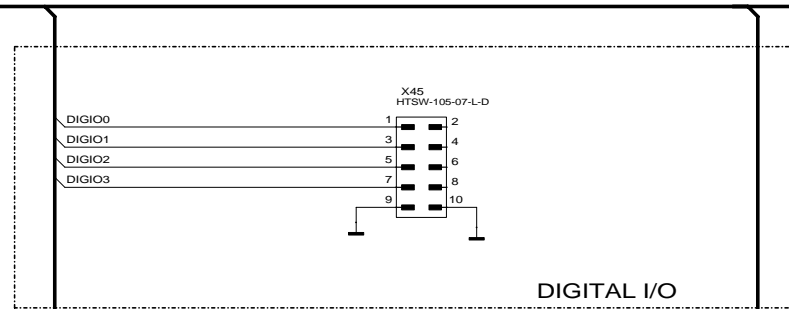
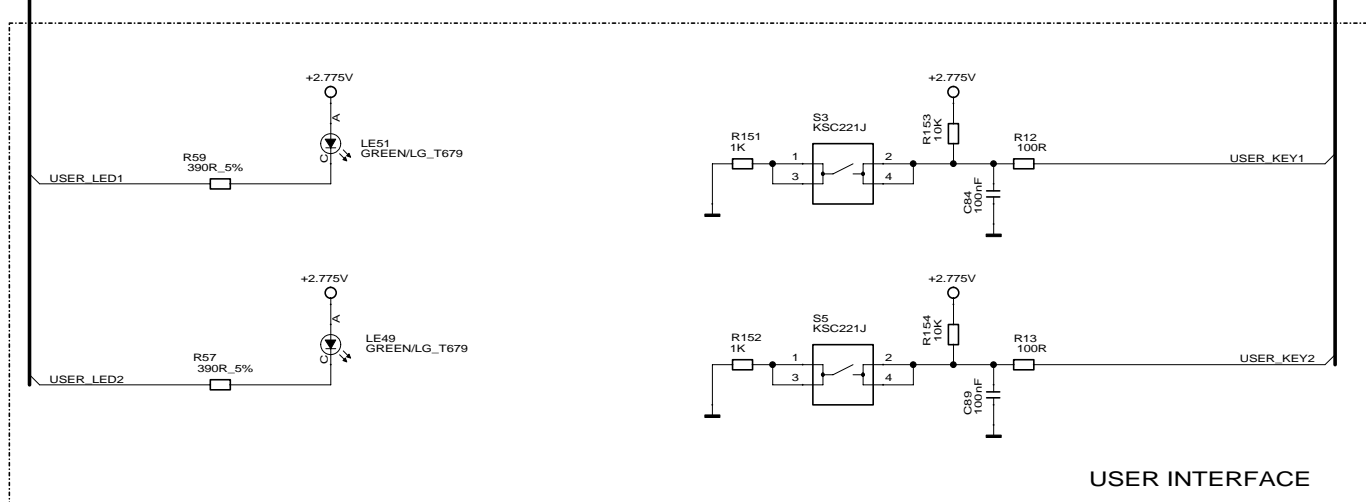
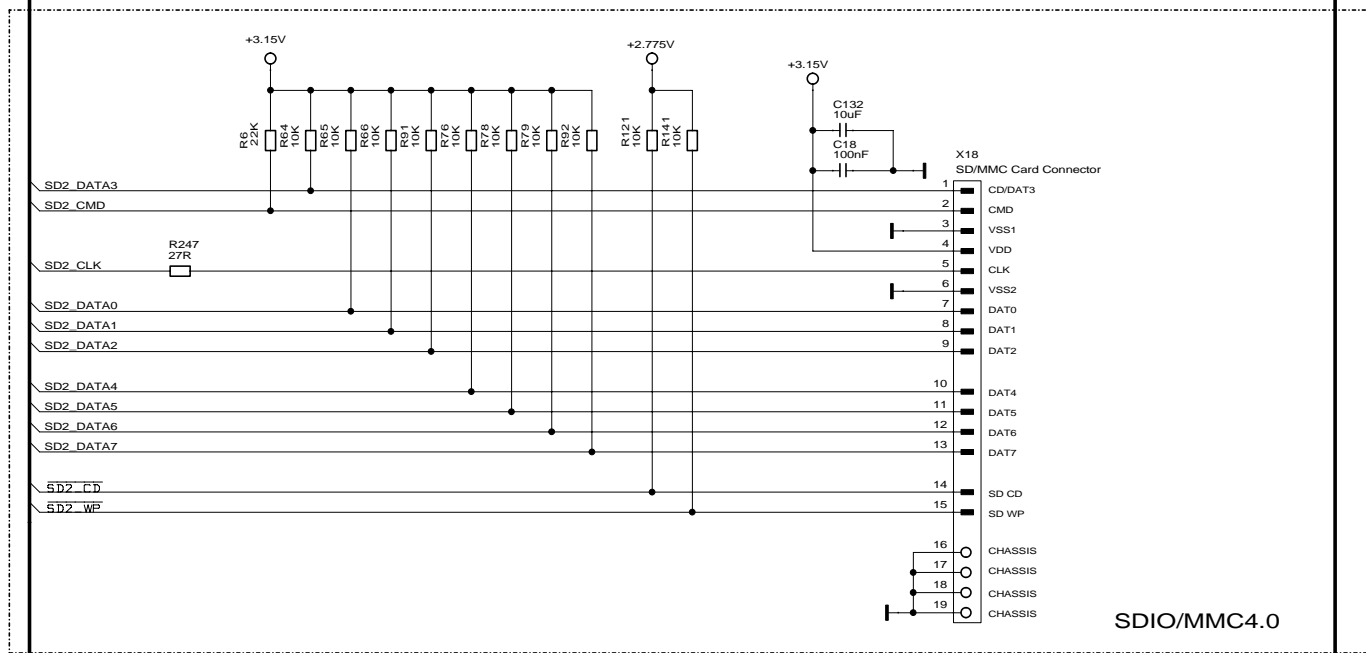
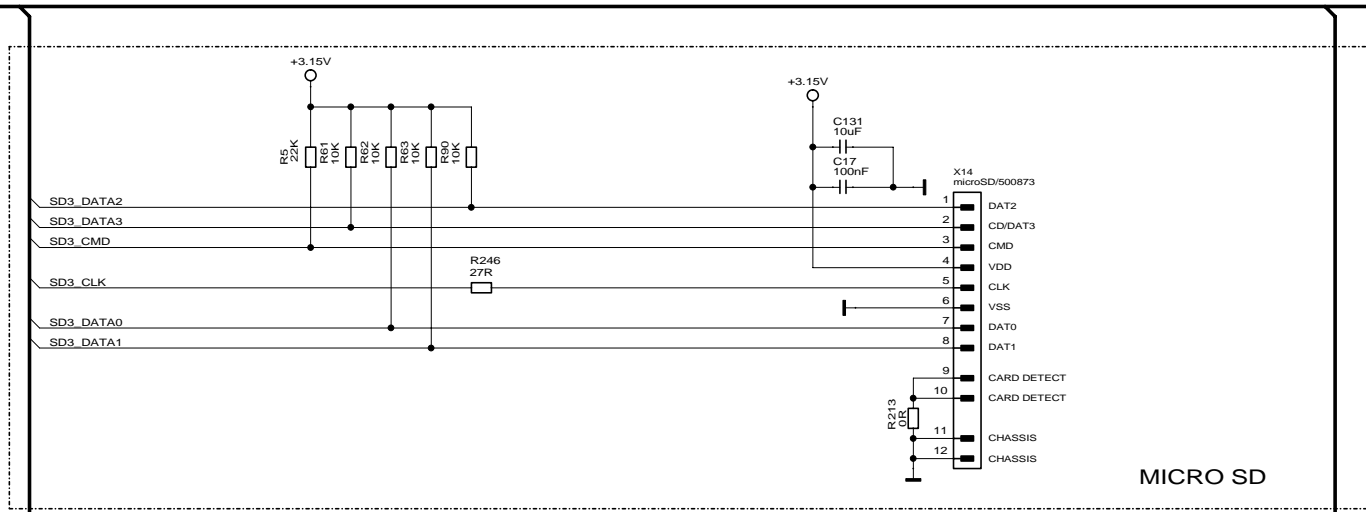
CAN1



CAN2

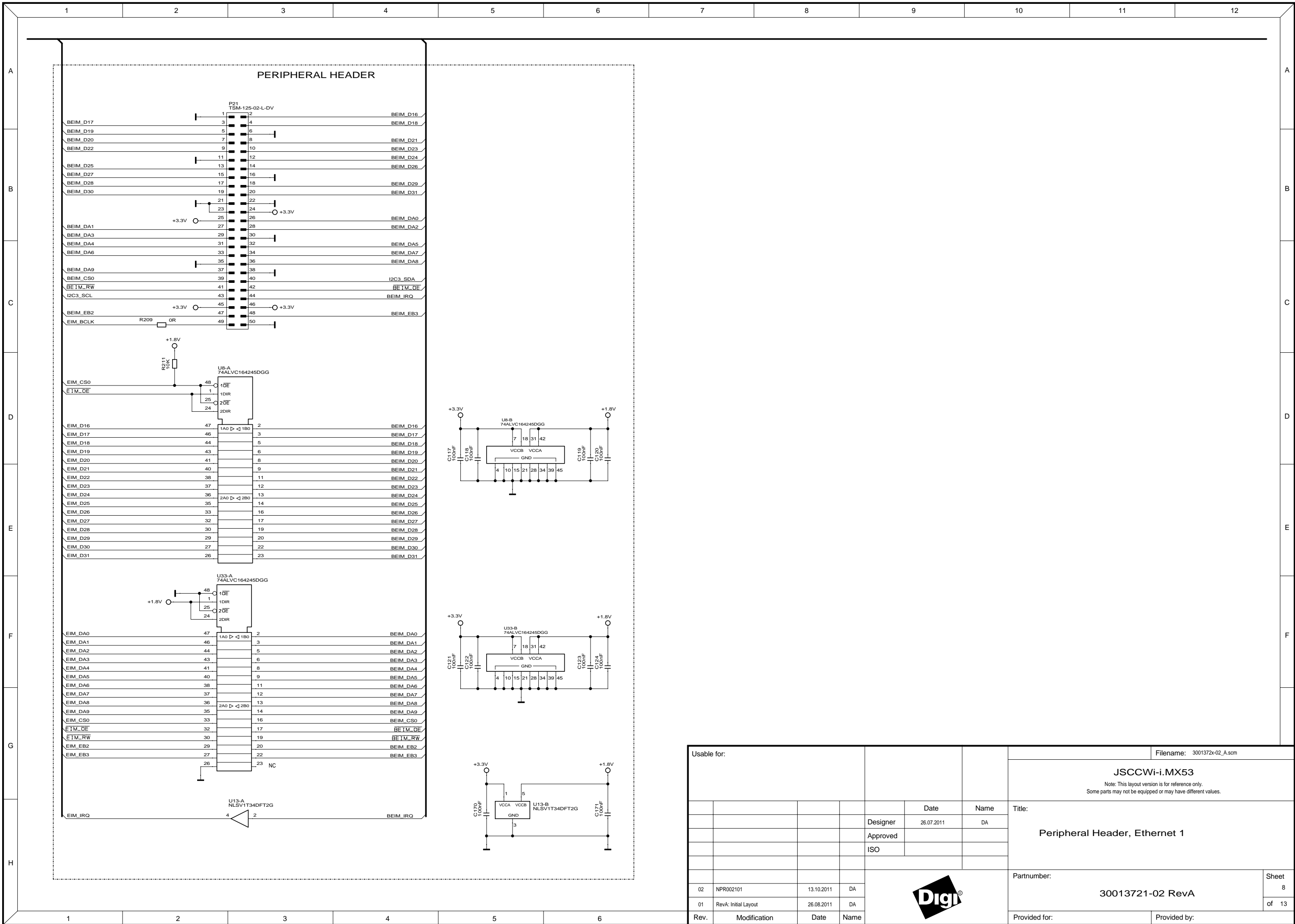
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Designer: 26.07.2011 Approved: 26.08.2011 ISO					Date	Name
					DA	
					DA	
Title: Console, UART TTL, XBEE, SATA, CAN					Partnumber: 30013721-02 RevA	
Rev. 02: NPR002101, 13.10.2011, DA Rev. 01: RevA: Initial Layout, 26.08.2011, DA					Sheet 6 of 13	
Provided for:					Provided by:	





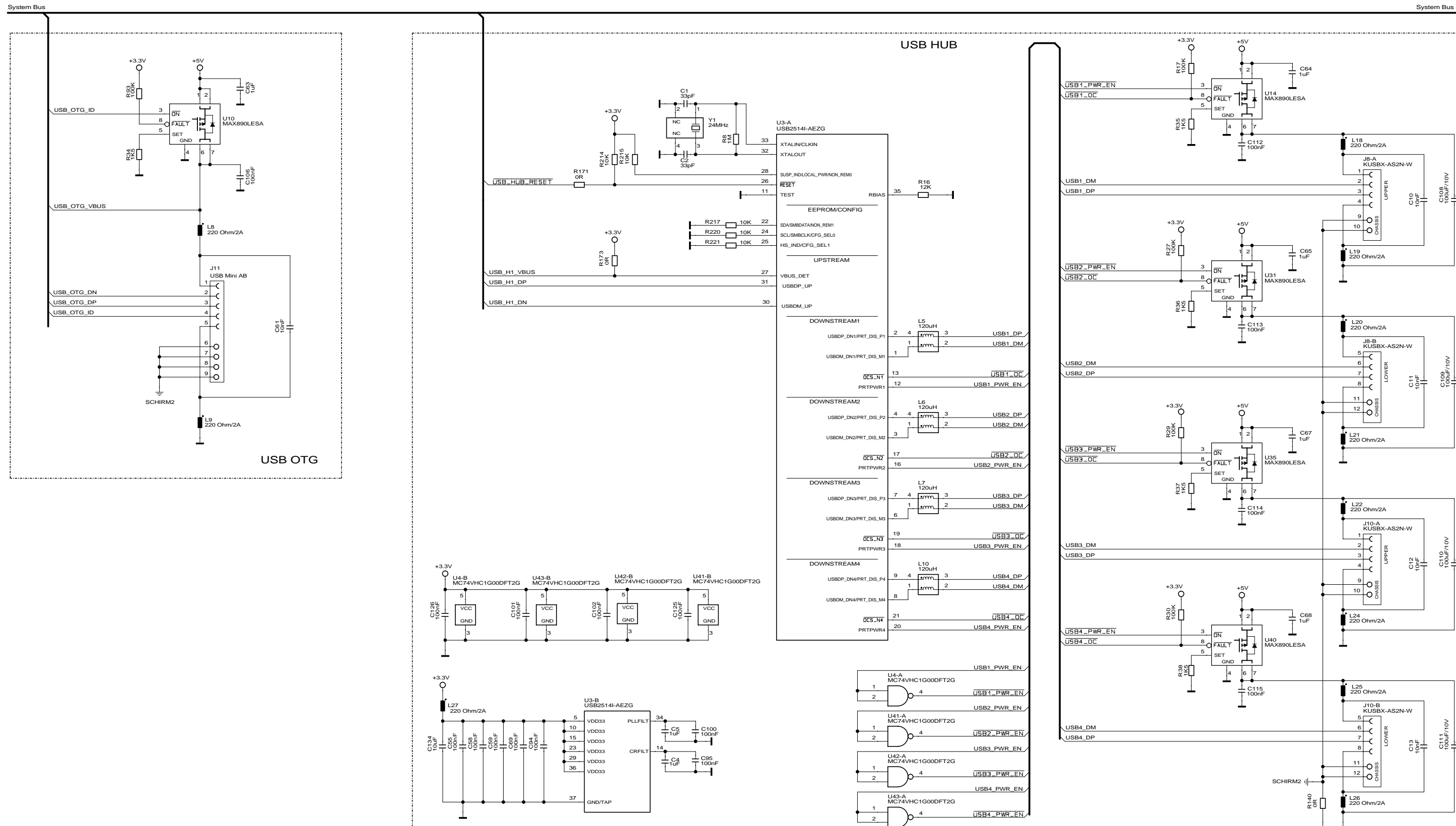
Usable for:				File name: 3001372x-02_A.scm	
JSCCW-i.MX53 <small>Note: This layout version is for reference only. Some parts may not be equipped or may have different values.</small>					
Title:		SD/MMC, MICRO-SD, SPI, I2C, DIGITAL I/O			
Partnumber:		30013721-02 RevA			
Sheet		7			
of 13					
Rev.		Modification		Date Name	
02		NPRO02101		13.10.2011 DA	
01		RevA: Initial Layout		26.08.2011 DA	
Designer		Date		Name	
		26.07.2011		DA	
Approved					
ISO					
Provided for:		Provided by:			





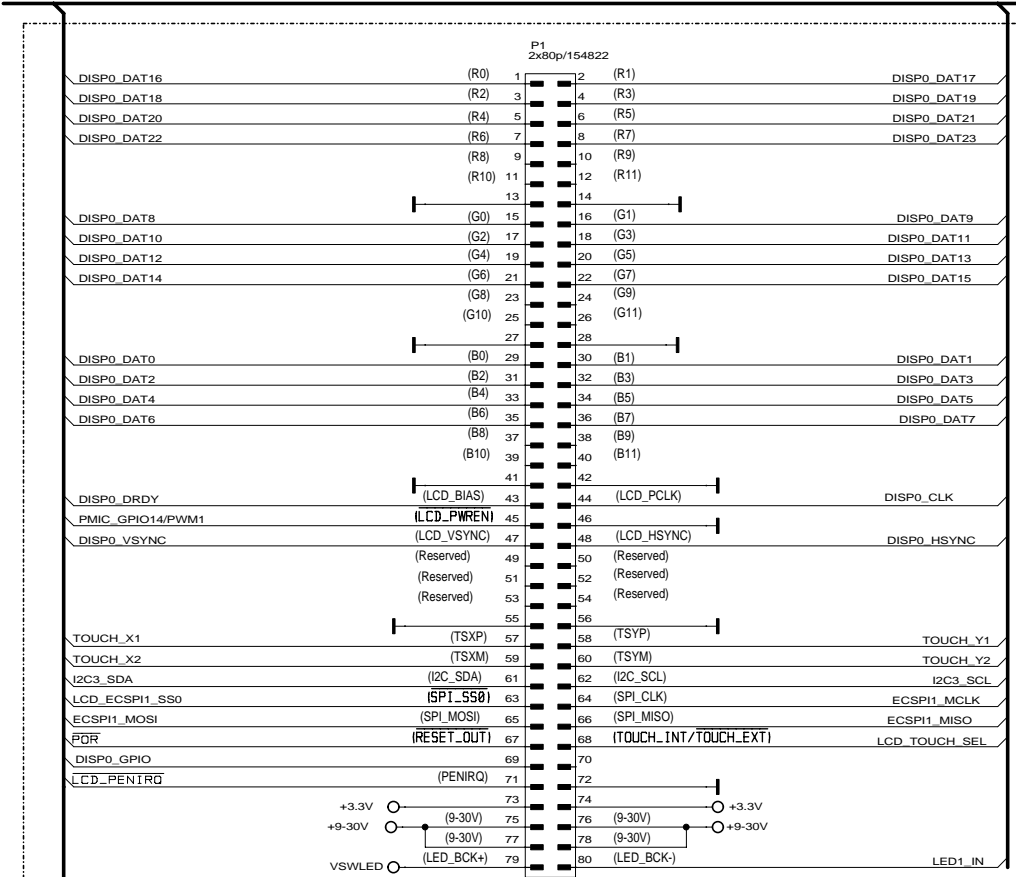
Usable for:				Filename: 3001372x-02_A.scm	
Designer: 26.07.2011 Approved: DA ISO				Title: JSCCW-i.MX53 Note: This layout version is for reference only. Some parts may not be equipped or may have different values.	
				Title: Peripheral Header, Ethernet 1	
				Partnumber: 30013721-02 RevA	
Rev. 02 NPR002101 13.10.2011 DA Rev. 01 RevA: Initial Layout 26.08.2011 DA				Sheet 8 of 13	
Rev. Modification Date Name				Provided for: Provided by:	



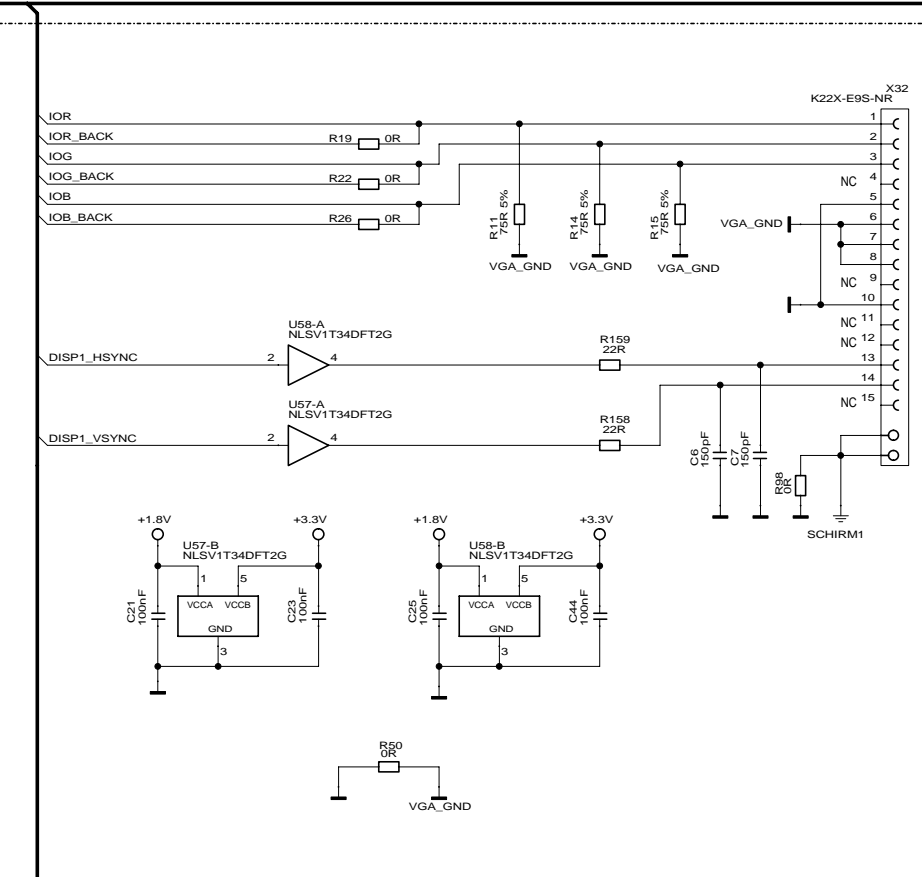


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		Date	Name	Title:	
	Designer	26.07.2011	DA	USB OTG, USB HUB	
	Approved				
	ISO				
				Partnumber:	Sheet
02	NPR002101	13.10.2011	DA	30013721-02 RevA	9
01	RevA: Initial Layout	26.08.2011	DA		of 13
Rev.	Modification	Date	Name	Provided for:	Provided by:

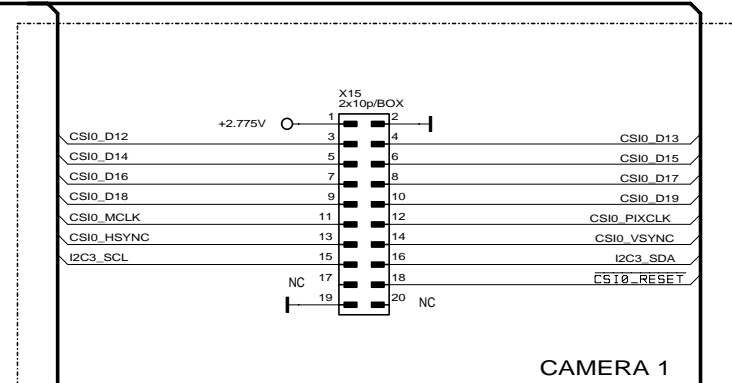




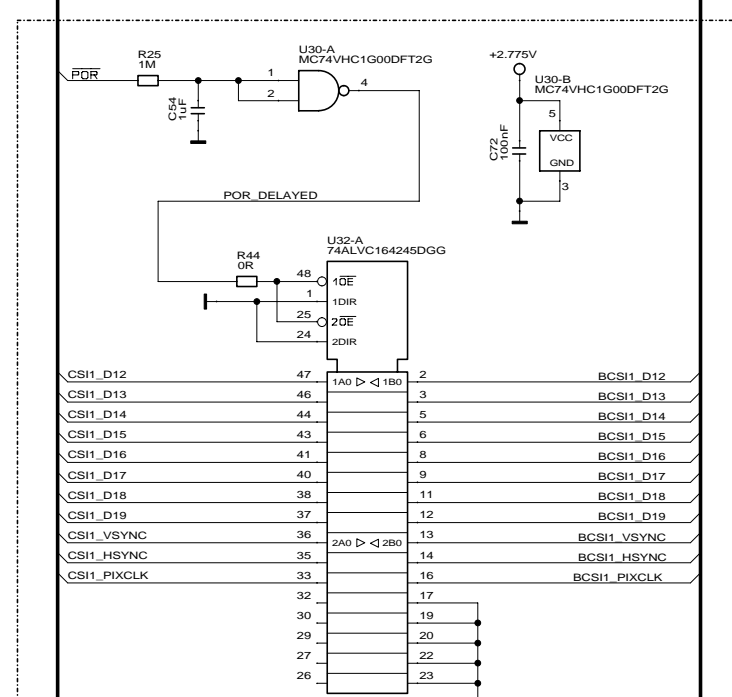
PARALLEL LCD



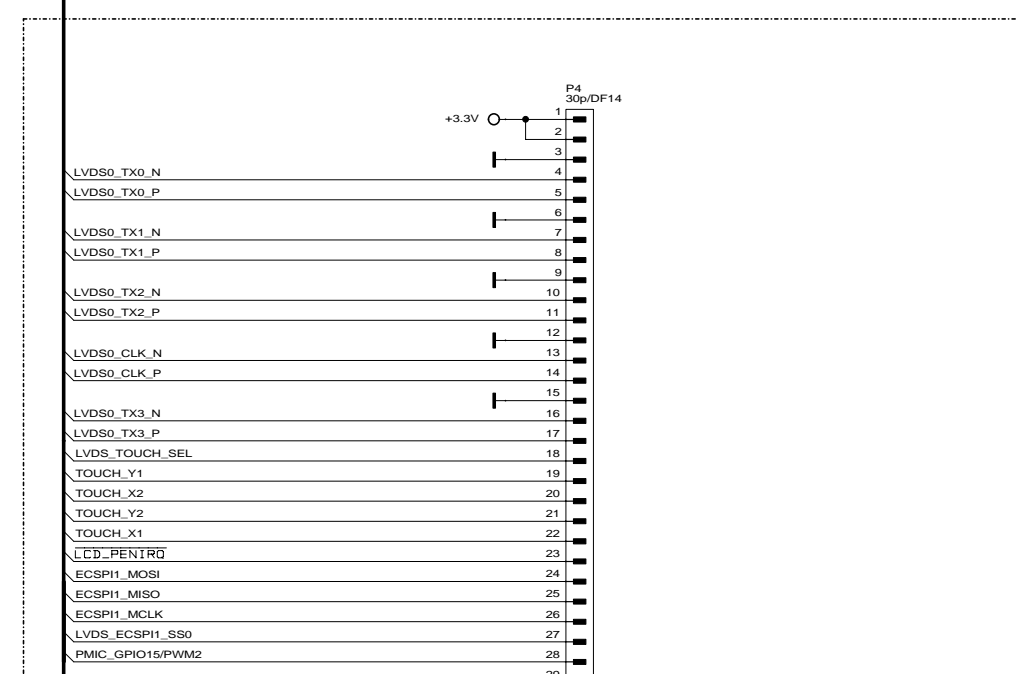
ANALOG VIDEO INTERFACE



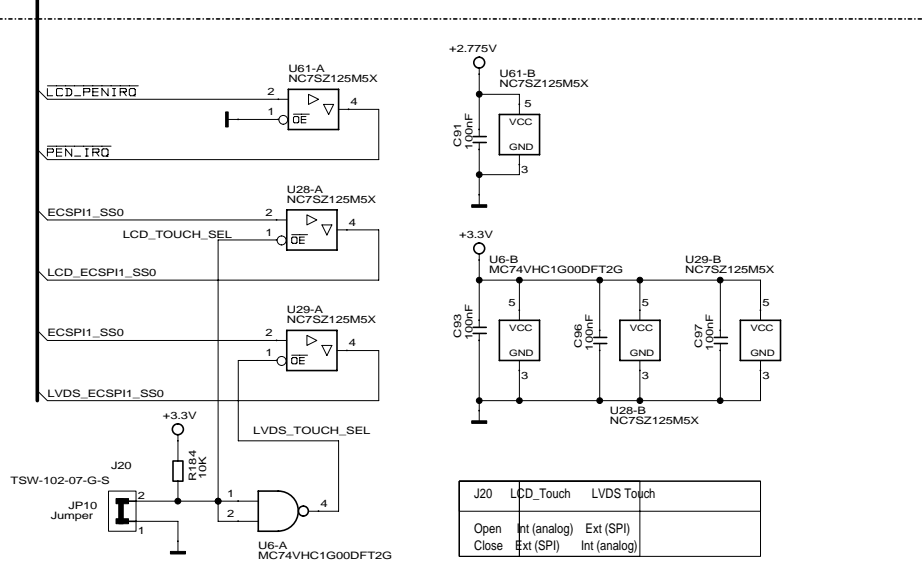
CAMERA 1



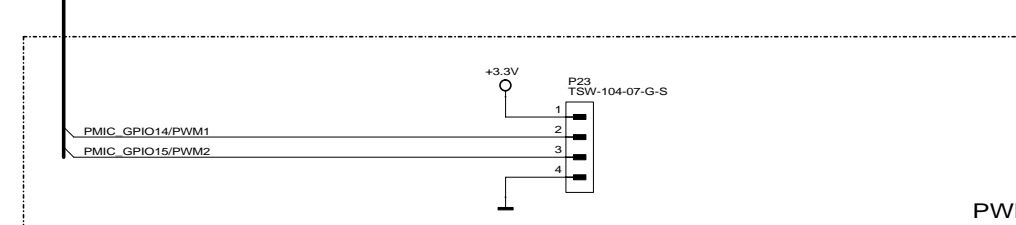
CAMERA 2



LVDS LCD

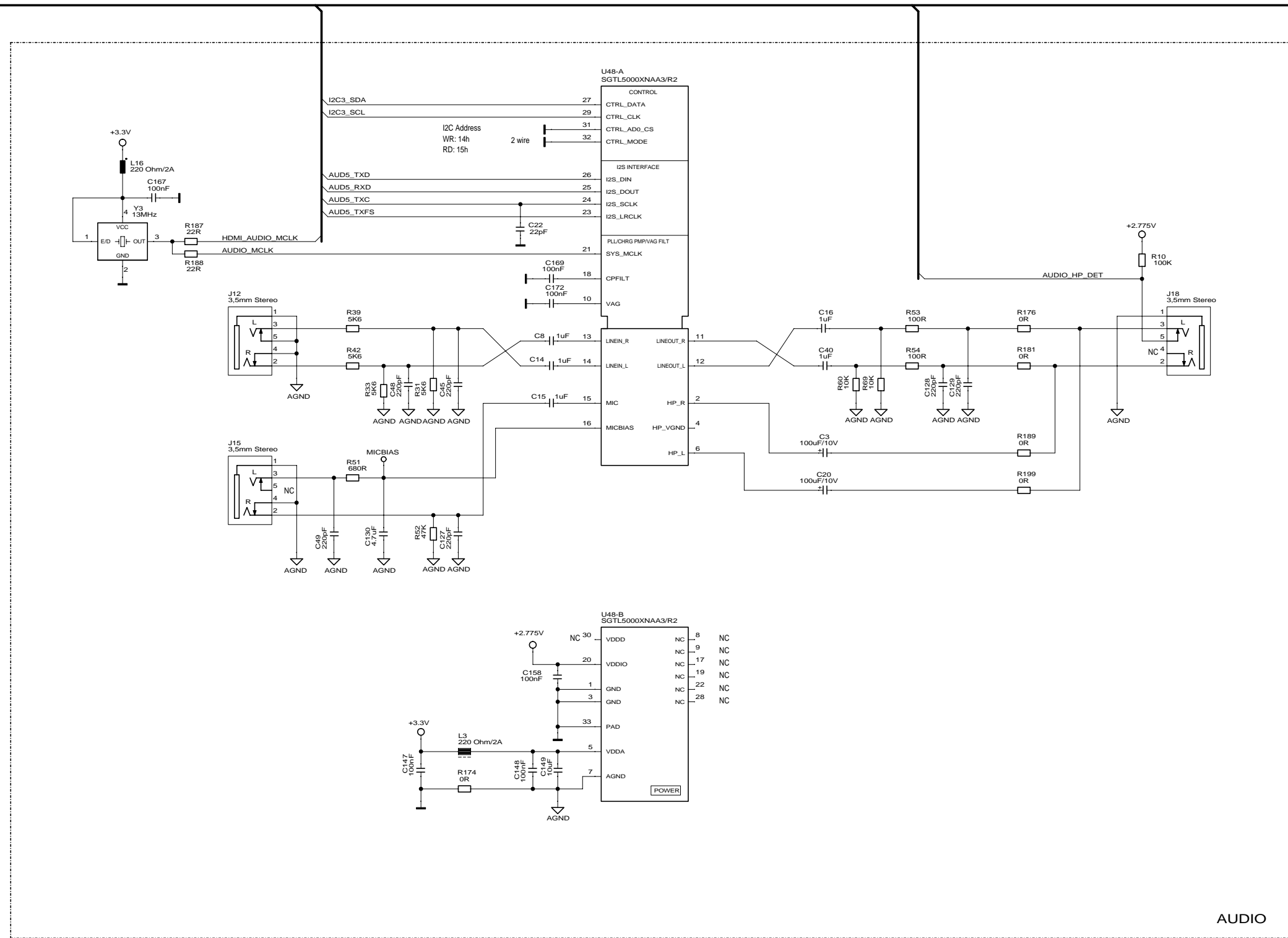


TOUCH SELECTION




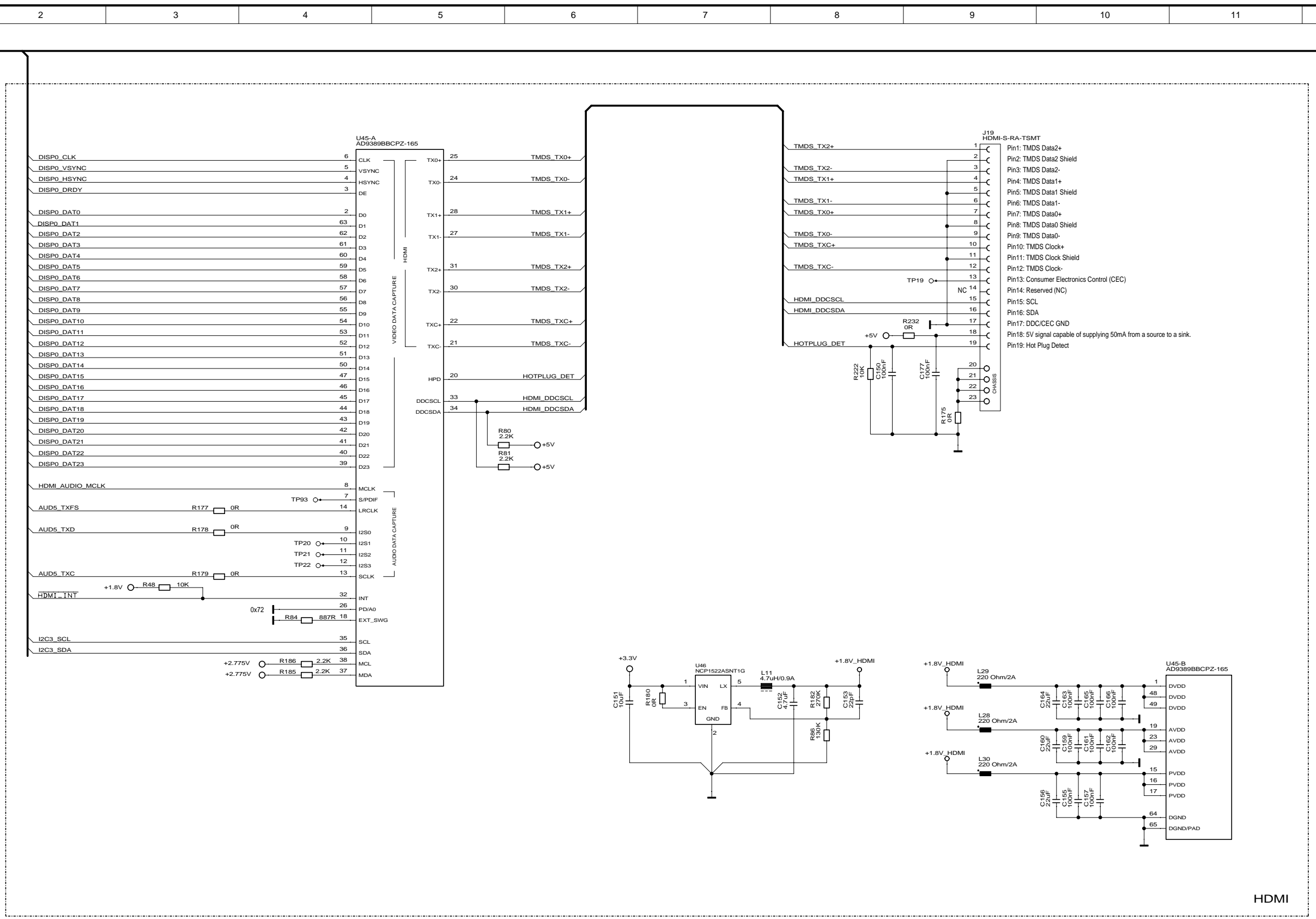
PWM

Usable for:				Filename: 3001372x-02_A.scm	
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				Note: This layout version is for reference only. Some parts may not be equipped or may have different values.	
		Date	Name	Title: Camera, Display	
		Designer	DA		
		Approved			
		ISO		Partnumber: 30013721-02 RevA	
				Sheet 10 of 13	
02	NPR002101	13.10.2011	DA		
01	RevA: Initial Layout	26.08.2011	DA	Provided for: Provided by:	
Rev.	Modification	Date	Name		



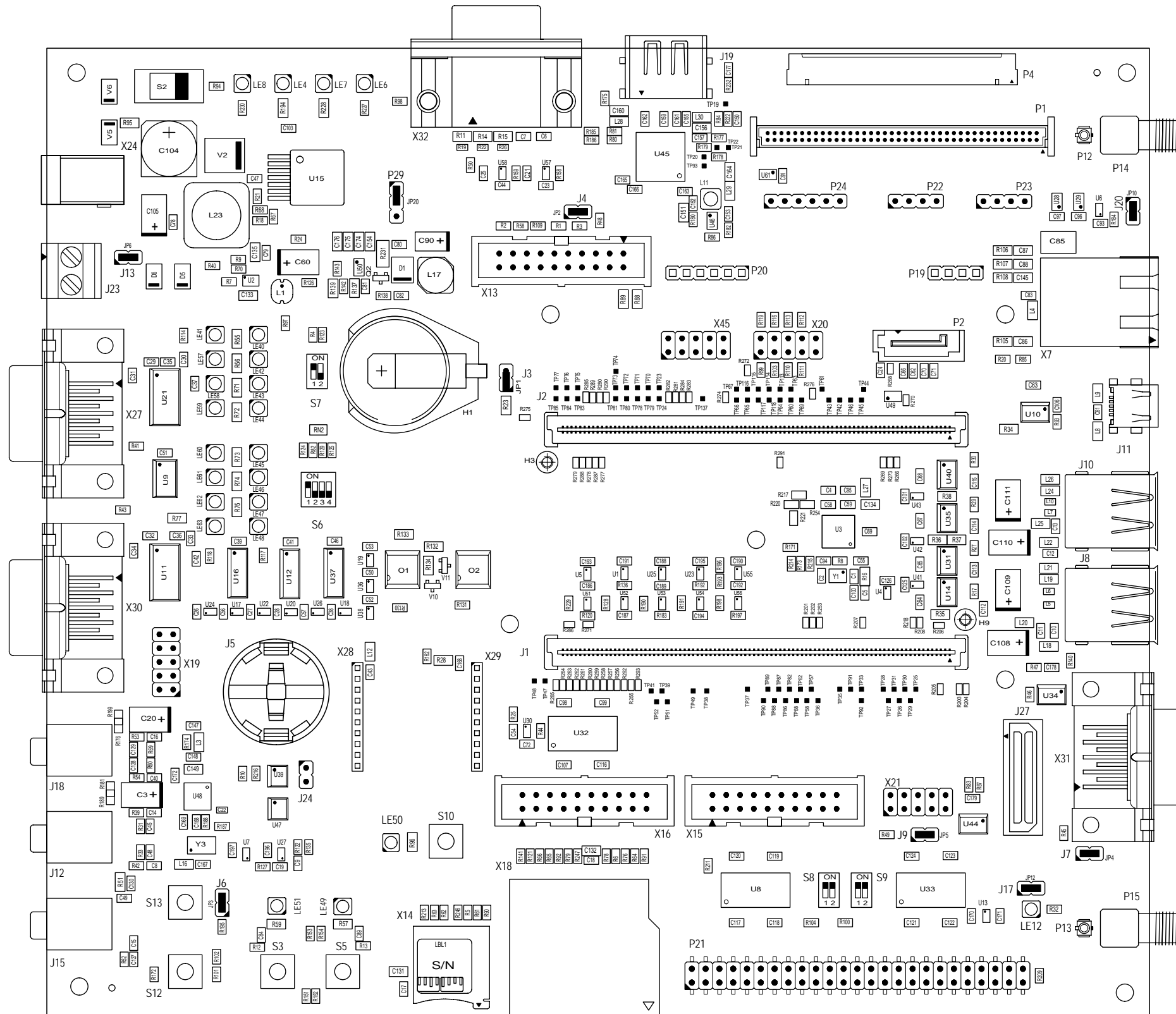
AUDIO


Usable for:				Filename: 3001372x-02_A.scm		
JSCCW-i.MX53 <small>Note: This layout version is for reference only. Some parts may not be equipped or may have different values.</small>						
		Date	Name	Title: AUDIO		
		Designer	26.07.2011			DA
		Approved				
		ISO				
				Partnumber:		
				30013721-02 RevA		
		Rev.		Sheet		
		Modification		11		
		Date		of 13		
		Name		Provided for:		
				Provided by:		

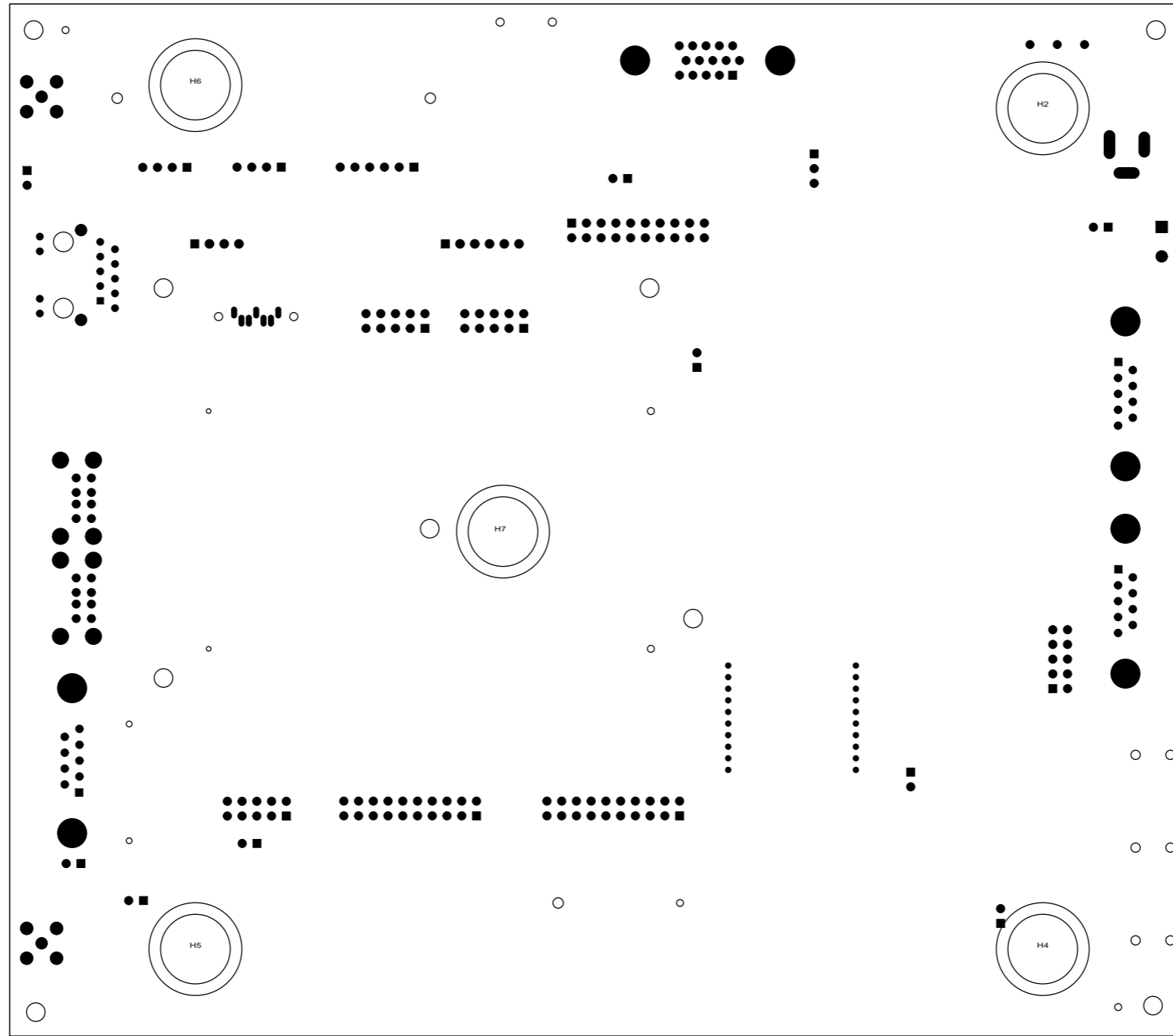



HDMI

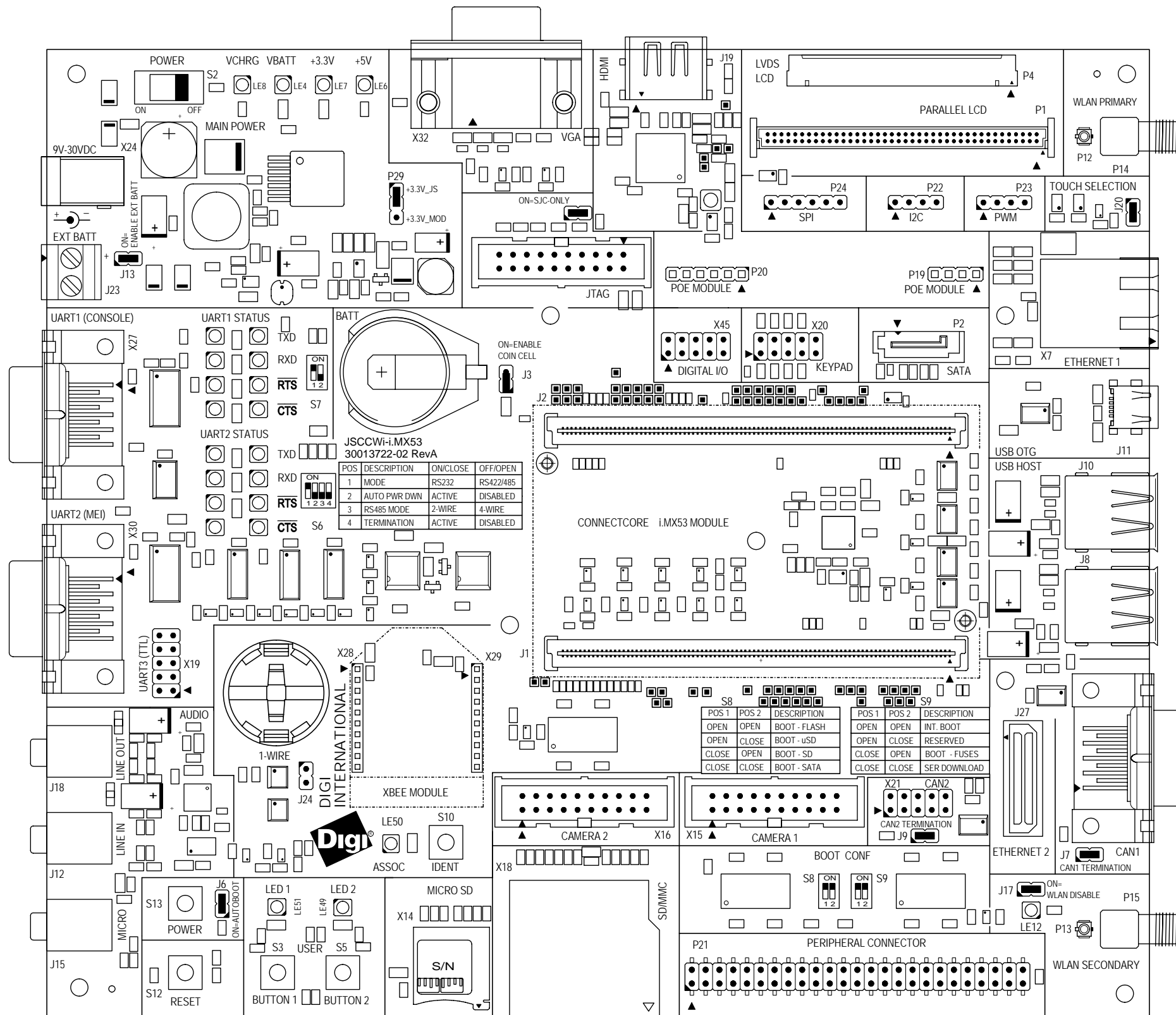
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				26.07.2011	DA		
				Designer		Partnumber: 30013721-02 RevA	
				Approved			
				ISO			
02	NPR002101	13.10.2011	DA				
01	RevA: Initial Layout	26.08.2011	DA				
Rev.	Modification	Date	Name	Provided for:			
				Provided by:			



Usable for:				File name: 3001372x-02_A.pcb													
				JSCCWi-i.MX53 Note: This layout version is for reference only. Some parts may not be equipped or may have different values.													
				Placement TOP Side													
				Partnumber: 30013724-02 RevA													
				Sheet 1 of 2													
				Title: Placement TOP Side													
				<table border="1"> <tr> <td>Designer</td> <td>Date</td> <td>Name</td> </tr> <tr> <td>Approved</td> <td>26.08.11</td> <td>SC</td> </tr> <tr> <td>ISO</td> <td></td> <td></td> </tr> </table>		Designer	Date	Name	Approved	26.08.11	SC	ISO					
Designer	Date	Name															
Approved	26.08.11	SC															
ISO																	
				<table border="1"> <tr> <td>Rev.</td> <td>Modification</td> <td>Date</td> <td>Name</td> </tr> <tr> <td>02</td> <td>NPR002101</td> <td>18.10.11</td> <td>DA</td> </tr> <tr> <td>01</td> <td>RevA: Initial Layout</td> <td>26.08.11</td> <td>SC</td> </tr> </table>		Rev.	Modification	Date	Name	02	NPR002101	18.10.11	DA	01	RevA: Initial Layout	26.08.11	SC
Rev.	Modification	Date	Name														
02	NPR002101	18.10.11	DA														
01	RevA: Initial Layout	26.08.11	SC														
																	
				Provided for: _____ Provided by: _____													



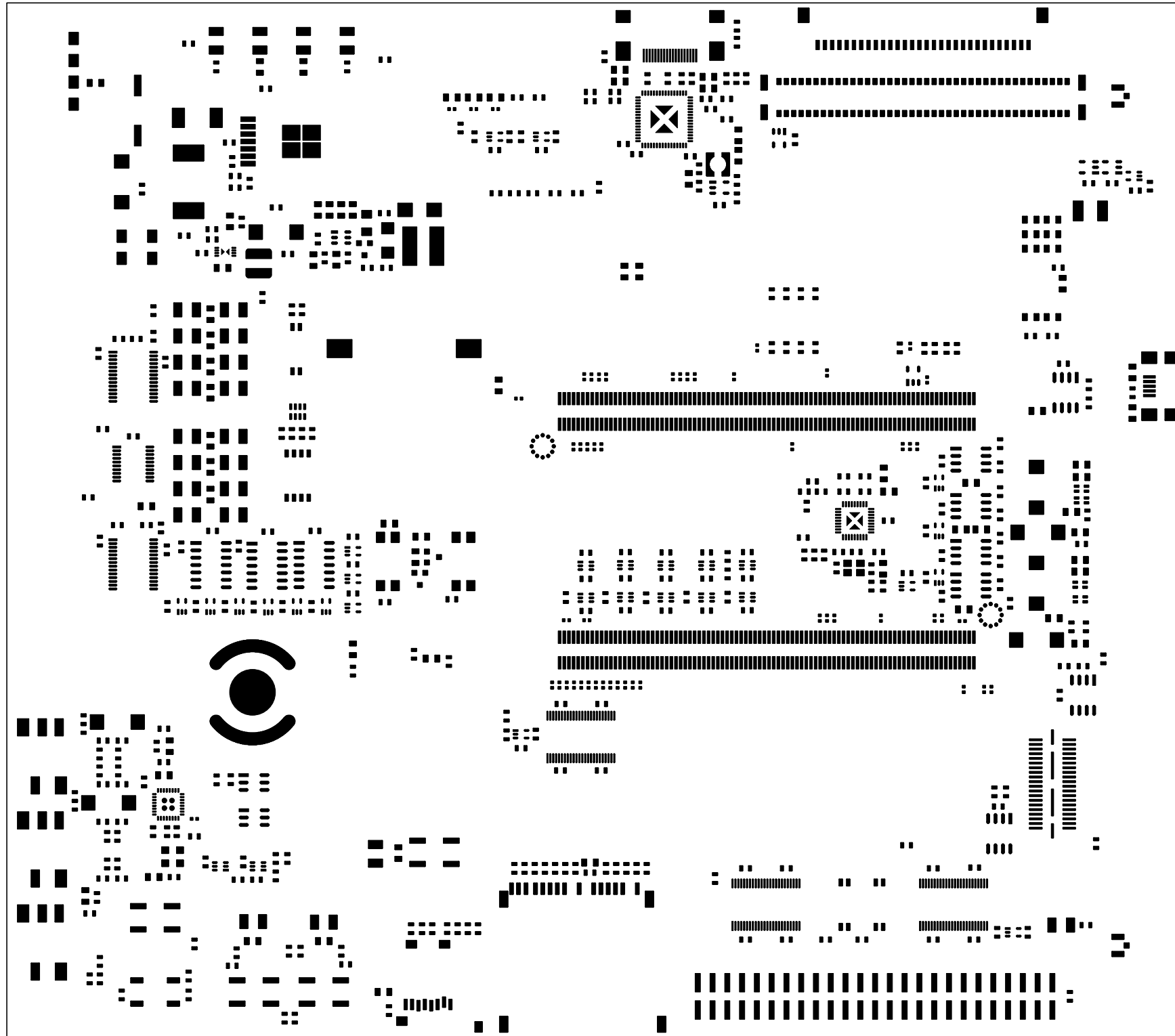
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				Designer	26.08.11			SC	
				Approved					
				ISO					
						Partnumber:			
02		NPR002101				18.10.11		DA	
01		RevA: Initial Layout				26.08.11		SC	
Rev.	Modification	Date	Name			30013724-02 RevA			
						Sheet	2		
						of	2		
				Provided for:		Provided by:			

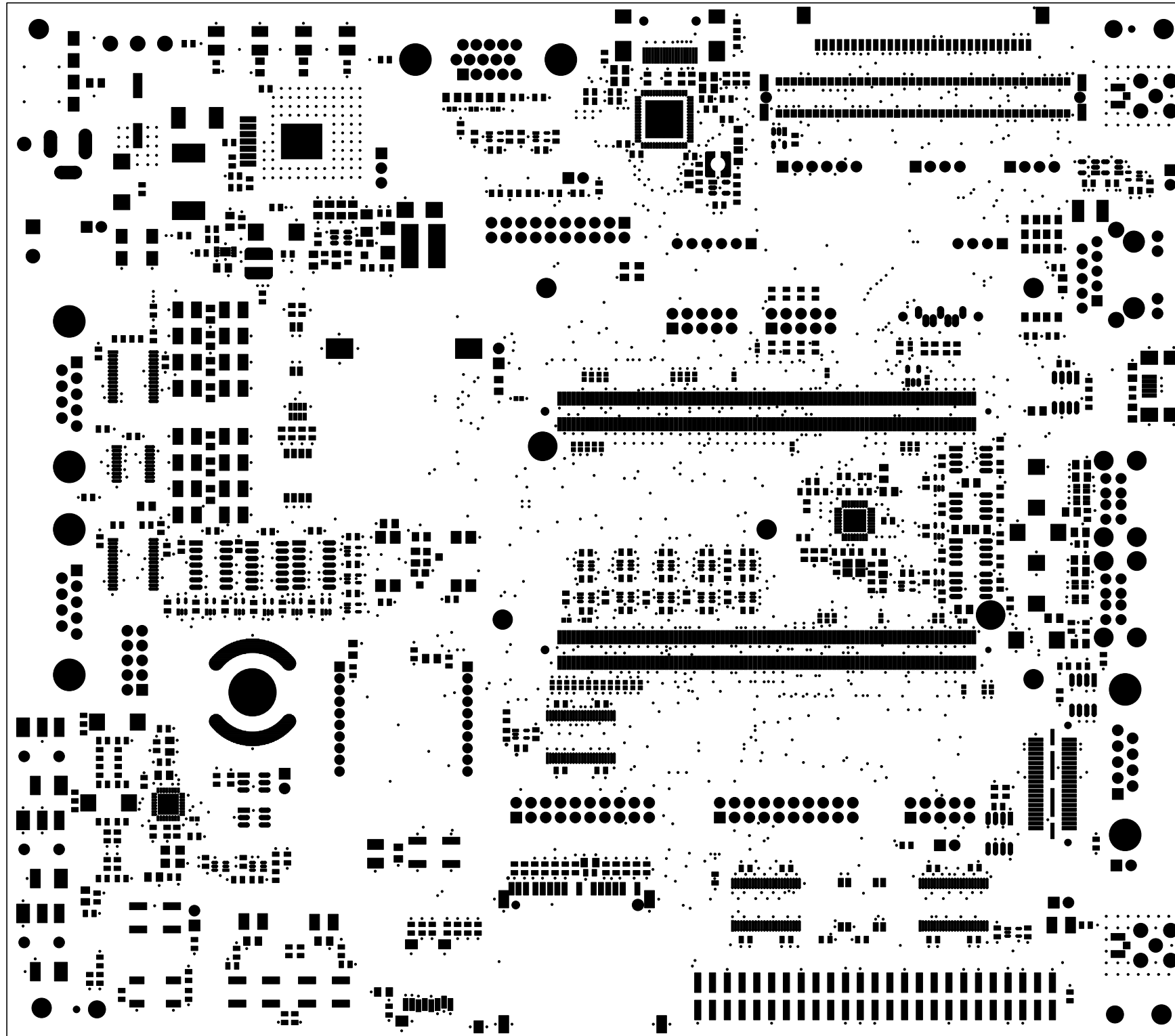


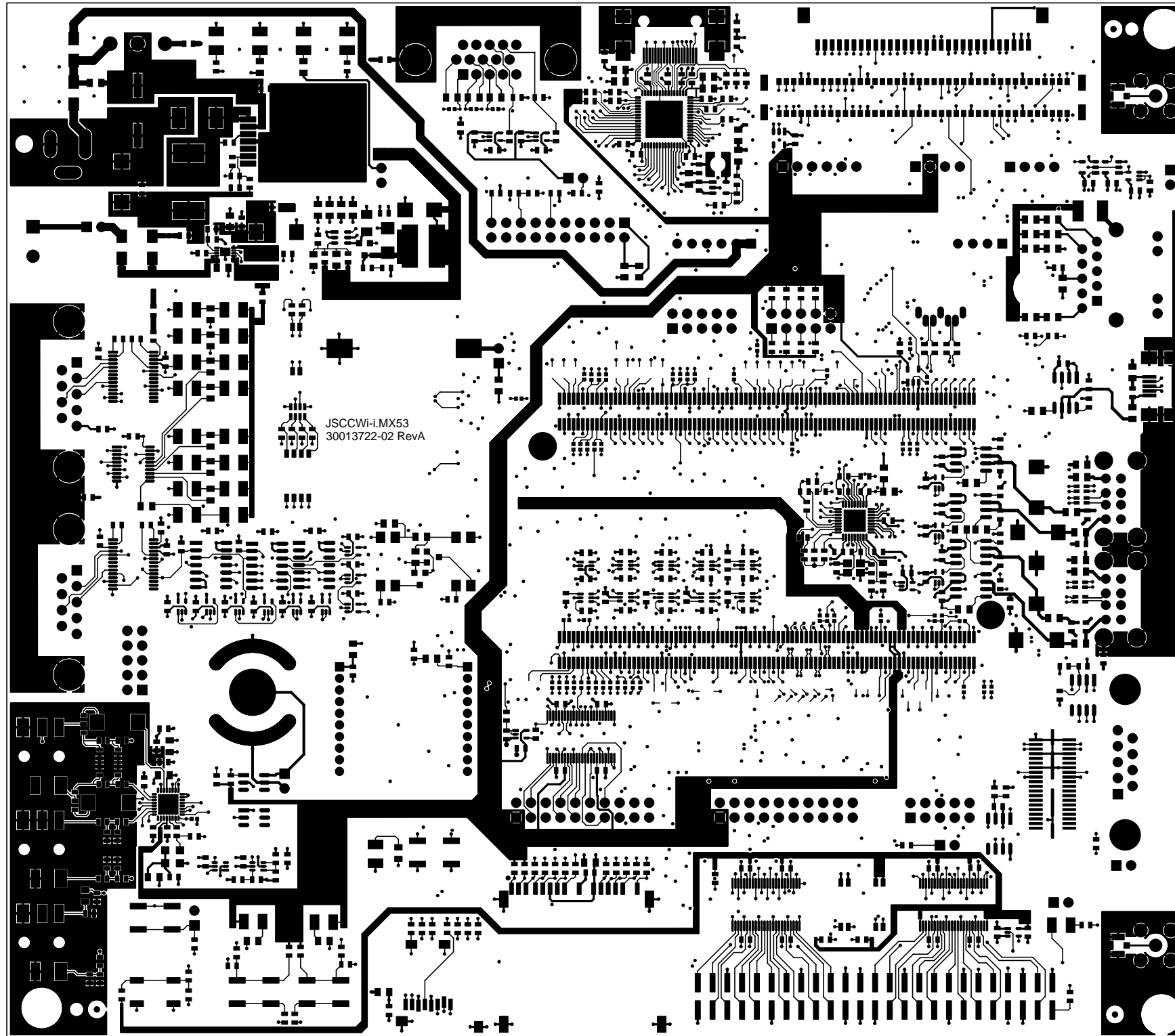
JSCCW-i.MX53 Layer1 TOP
18.10.11 Silkscreen TOP

Usable for:						Filename: 3001372x-02_A.pcb	
						JSCCW-i.MX53 Note: This layout version is for reference only. Some parts may not be equipped or may have different values.	
				Designer	Date	Name	Title:
				Approved	26.08.11	SC	
				ISO			
						Partnumber:	
						30013724-02 RevA	
						Sheet 1 of 2	
Rev.	Modification	Date	Name			Provided for:	

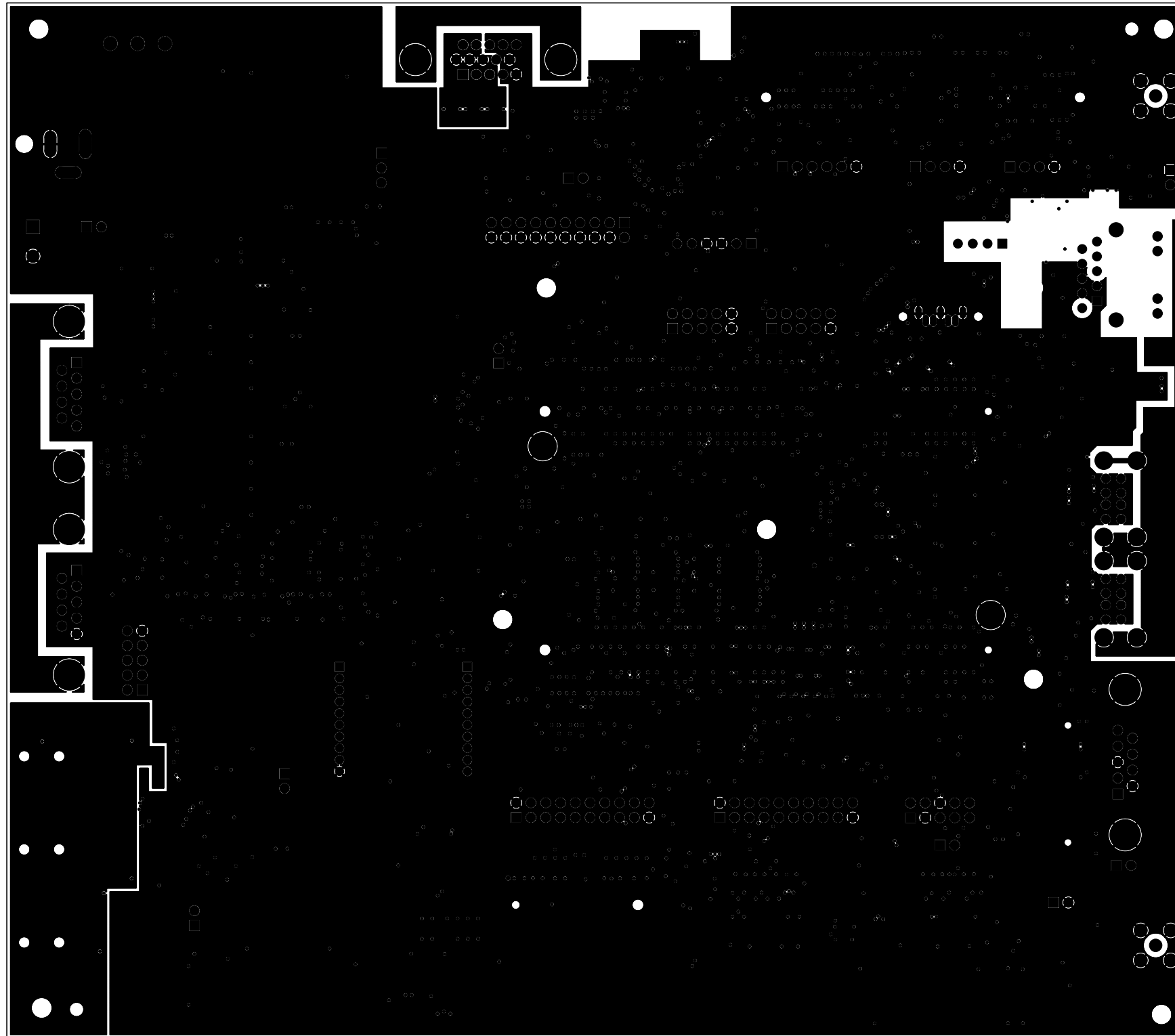
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Partnumber:		30013724-02 RevA	
Provided for:		Provided by:	



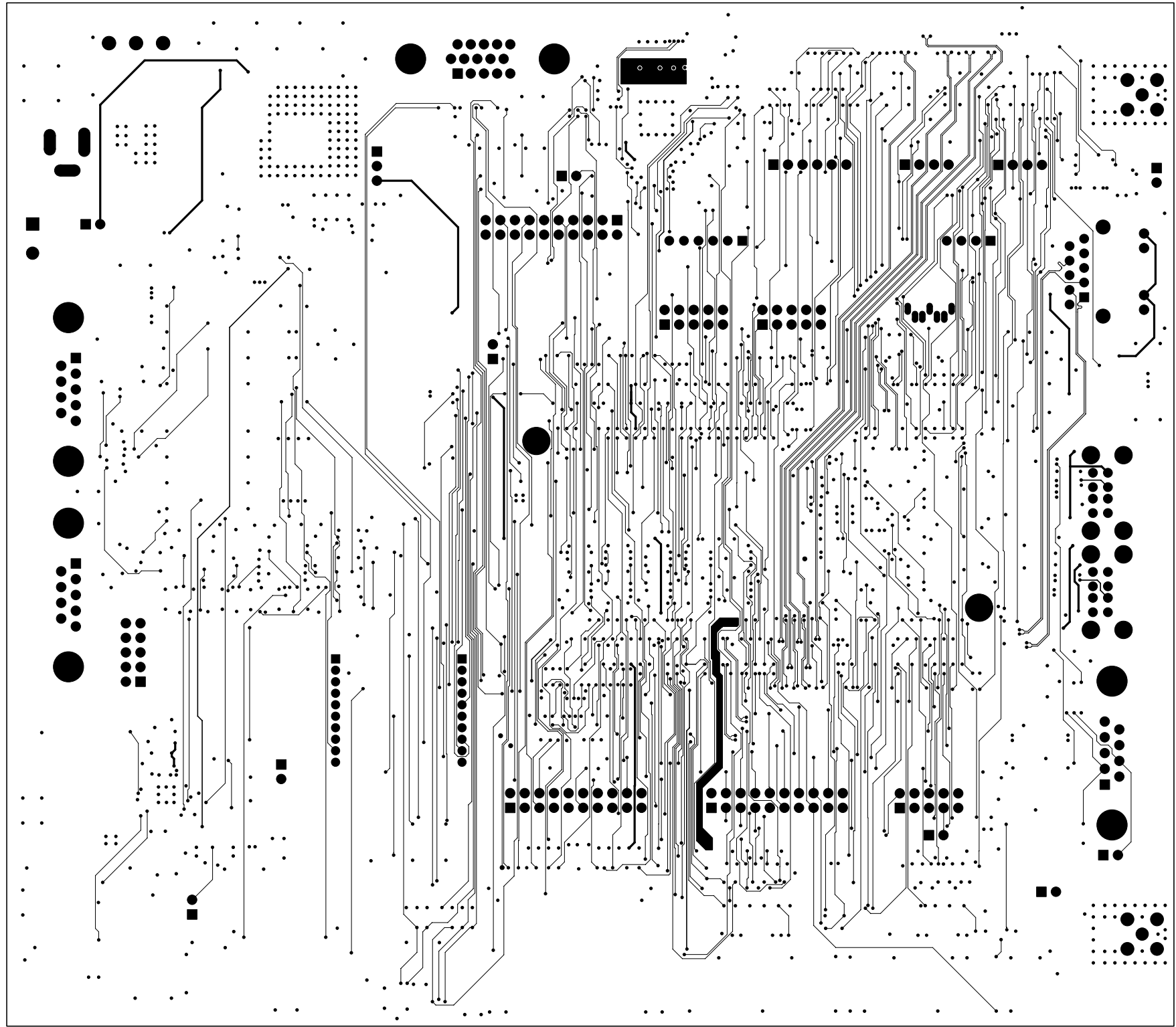




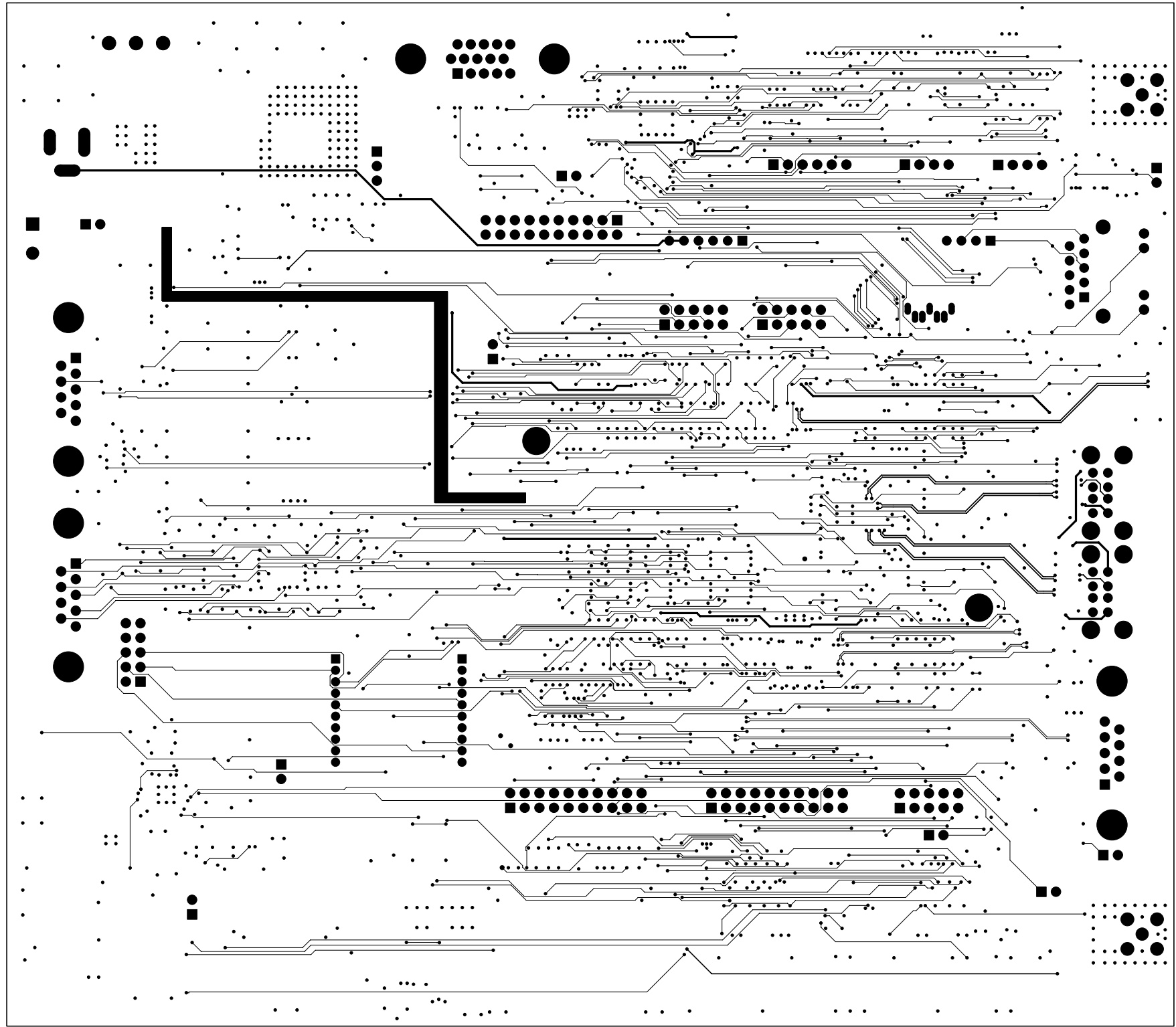
JSCCW-i.MX53 Layer1 TOP
18.10.11

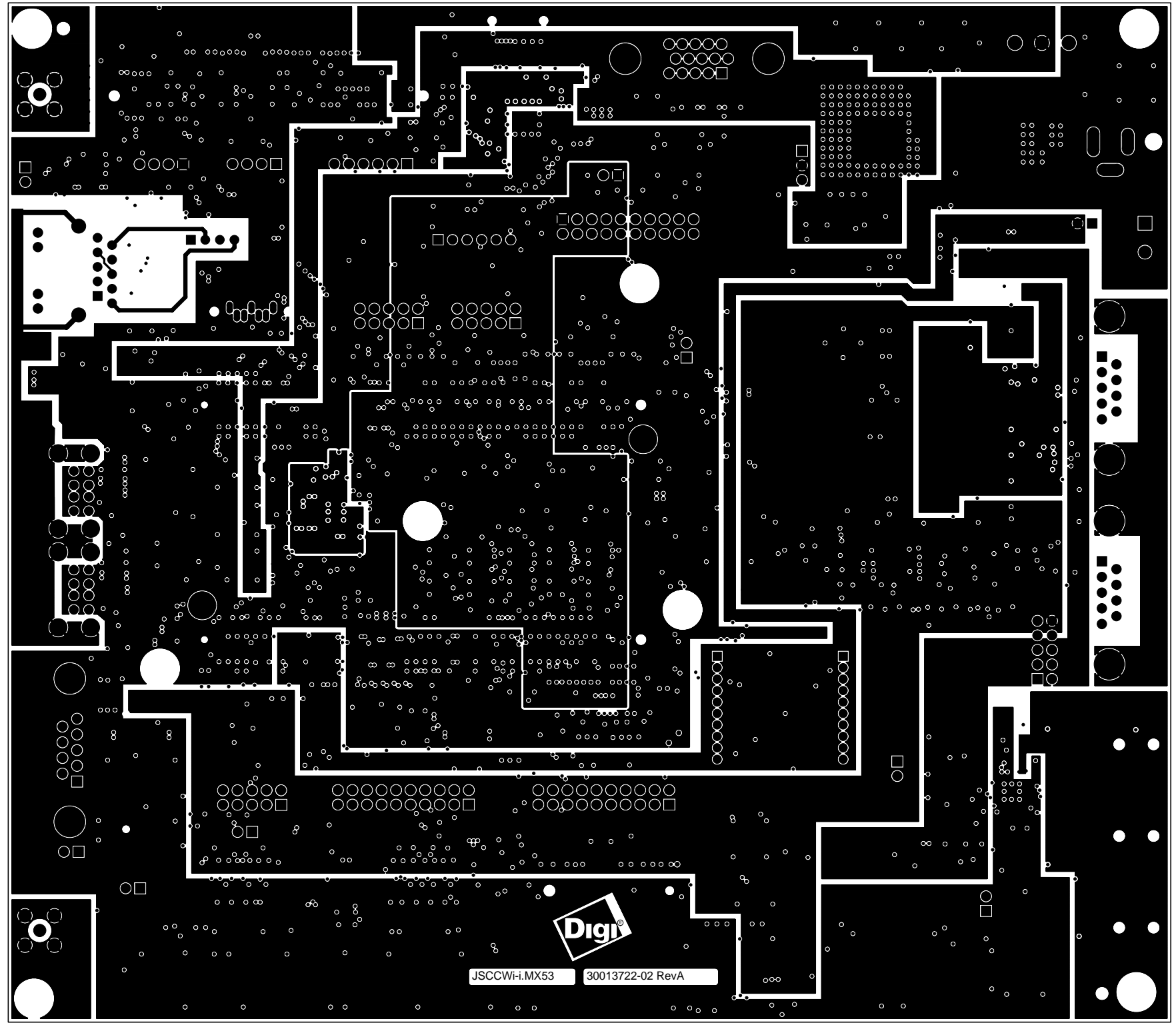


JSCCW-i.MX53 Layer2 GND
18.10.11

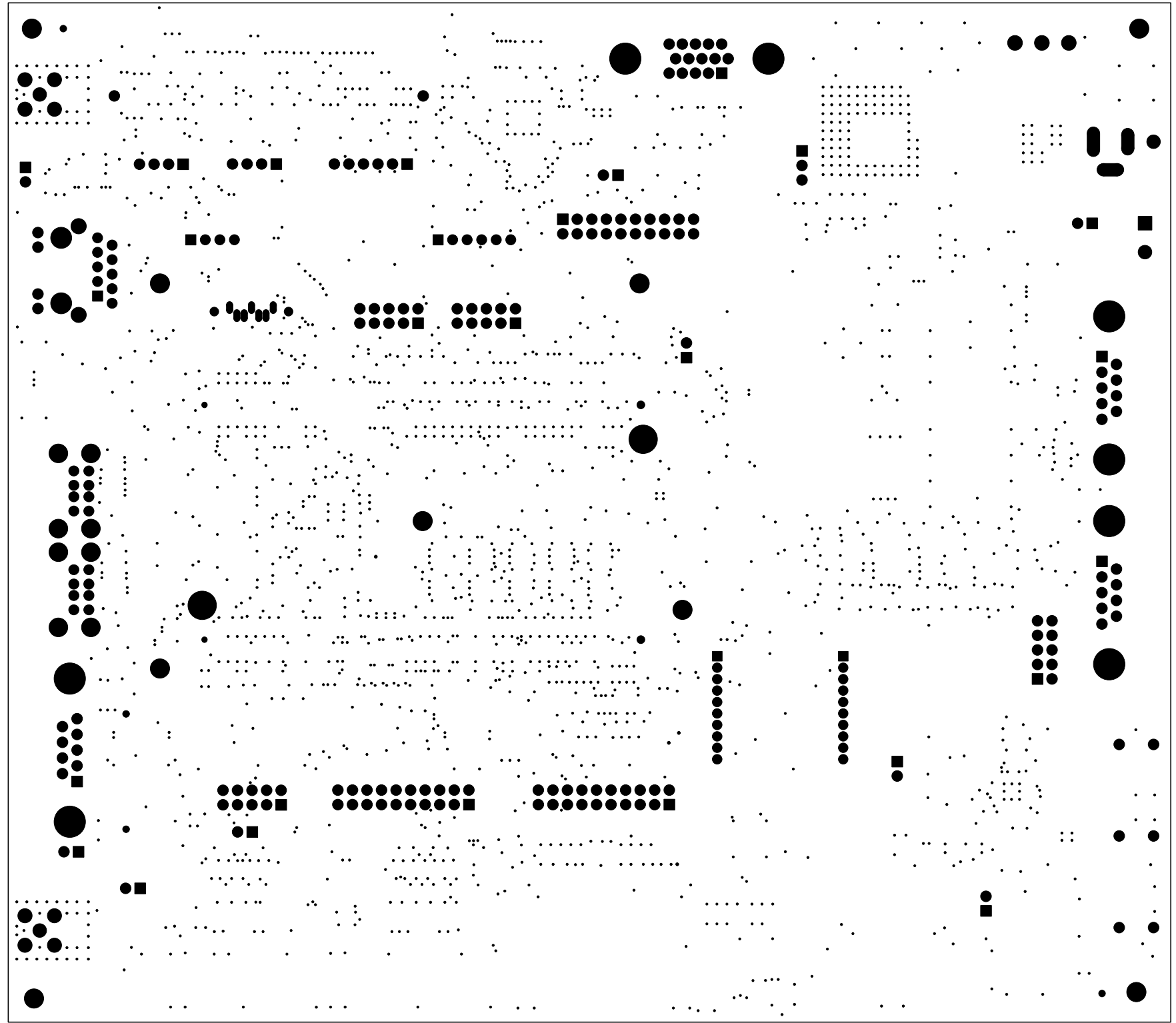


JSCCW-i.MX53 Layer3
18.10.11

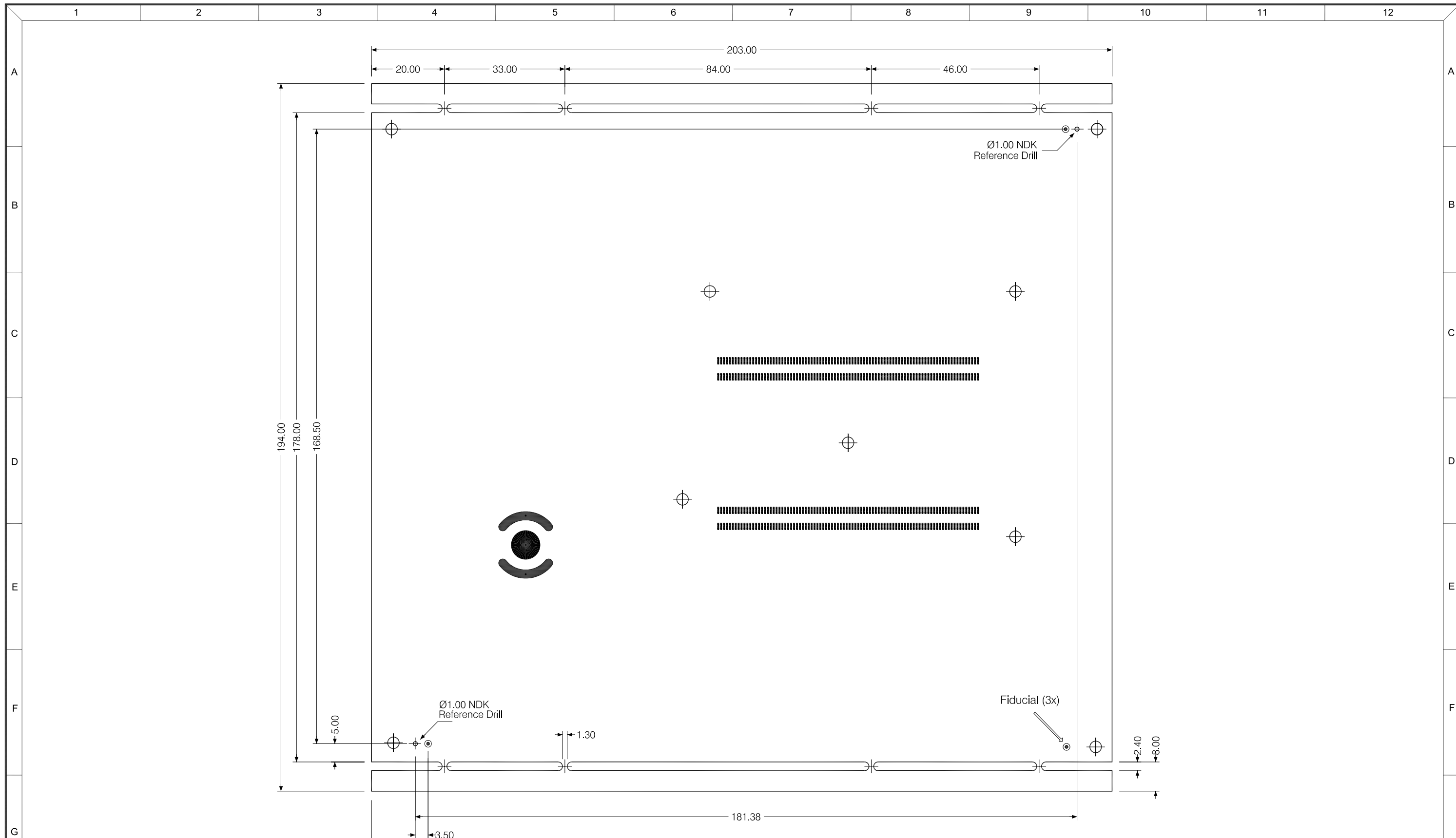




JSCCW-i.MX53 Layer6 BOT
18.10.11



JSCCW-i.MX53 Solder Mask BOT
18.10.11



CAUTION:

- Offset between the reference drills and the fiducials: $\leq 0,1\text{mm}$.
- Offset between the milled board outline and the fiducials: $\pm 0,2\text{mm}$.
- Plated holes and not plated holes must be drilled in one step!
- Fiducials and not plated holes are already defined in the gerber/drill files!

BEACHTEN:

- Versatz der Referenzbohrungen zu den Fiducials: $\leq 0,1\text{mm}$.
- Versatz der Fräskontur zu den Fiducials: $\pm 0,2\text{mm}$.
- DK- und NDK-Bohrungen in einem Arbeitsgang bohren!
- Fiducials und NDK-Bohrungen sind bereits in den Gerber/Drill-daten vorhanden!

All dimensions in mm. Alle Massangaben in mm. Overall tolerance: $\pm 0,1\text{mm}$. Allgemeine Toleranz: $\pm 0,1\text{mm}$.				Scale: 1:1		Filename: 30013722-01_A_PCB.DWG		
				JSCCW-i.MX53				
				Title:		Dimensions TOP		
				Draw.	Date			Name
				Appr.				
				Stand.				
						Partnumber:		
						30013722-01_A		
				Provided for:		Provided by:		
Rev.	Modification	Date	Name			Sheet	1	
						of	1	