
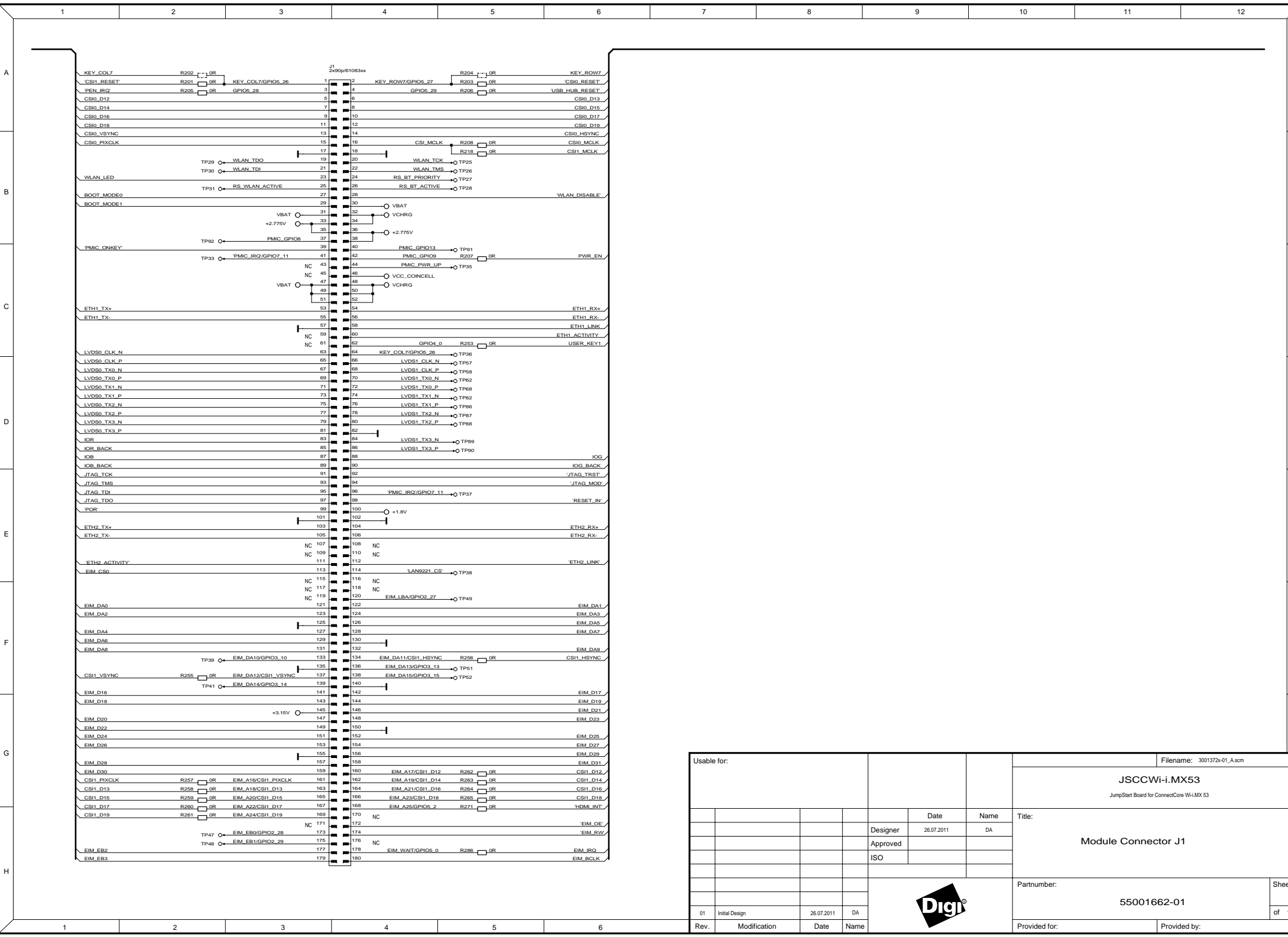

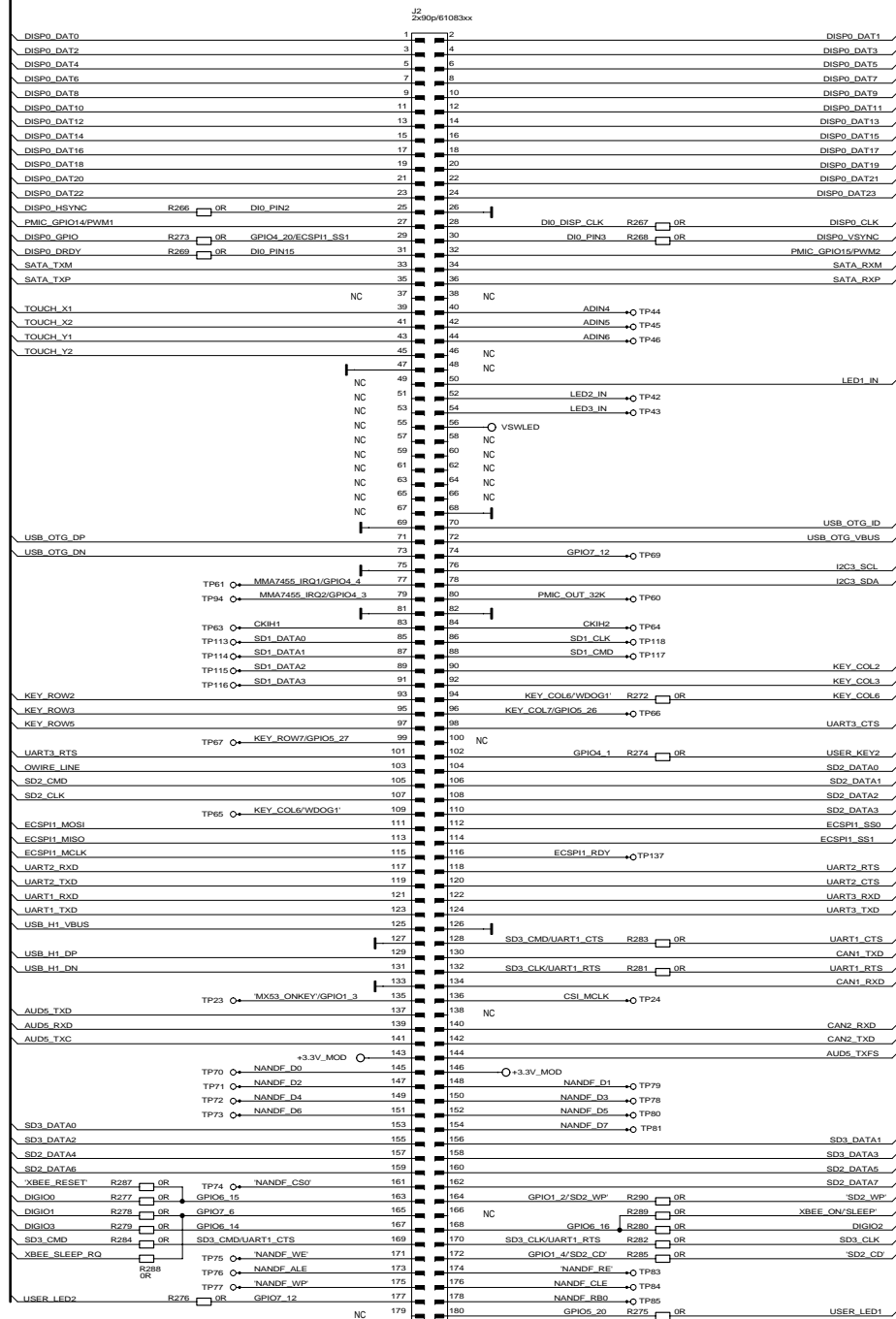


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| Usable for: | | | | | | | | Filename: 3001372x-01_A.scm | | |
| | | | | | | | | JSCCW-i.MX53 JumpStart Board for ConnectCore Wi-i.MX 53 | | |
| | | | | Date | Name | Title: Block Diagram | | | | |
| | | | | Designer | 26.07.2011 | | | | | DA |
| | | | | Approved | | | | | | |
| | | | | ISO | | | | | | |
| | | | | | | | | | | |
| | | | |  | | Partnumber: 55001662-01 | | | Sheet 1 | |
| 01 | Initial Design | 26.07.2011 | DA | | | | | | of 15 | |
| Rev. | Modification | Date | Name | | | | Provided for: | | Provided by: | |






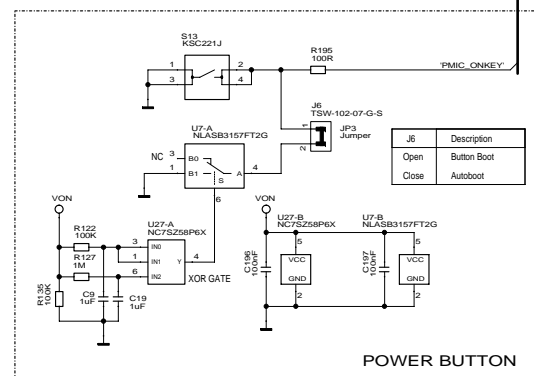
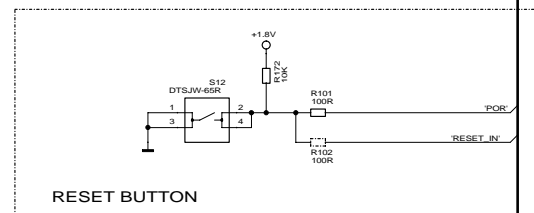
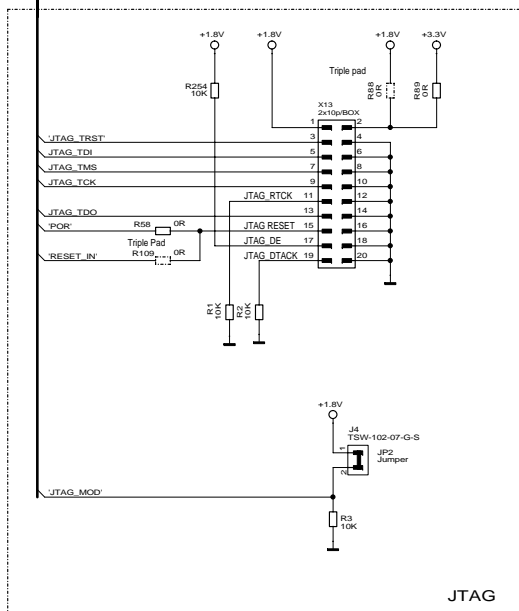
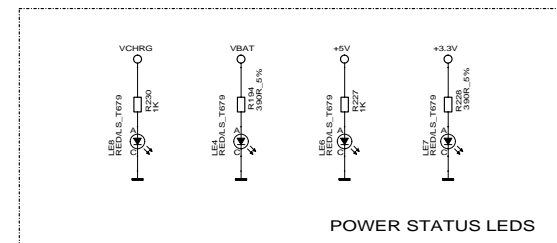
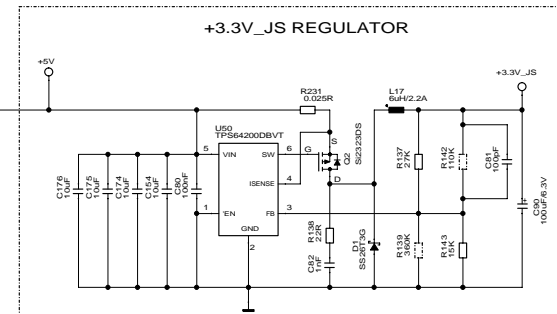
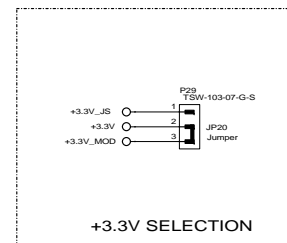
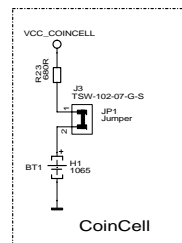
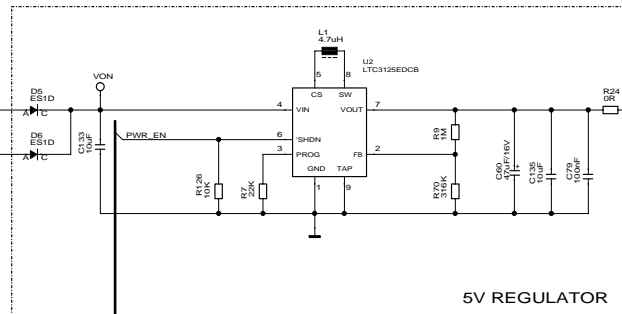
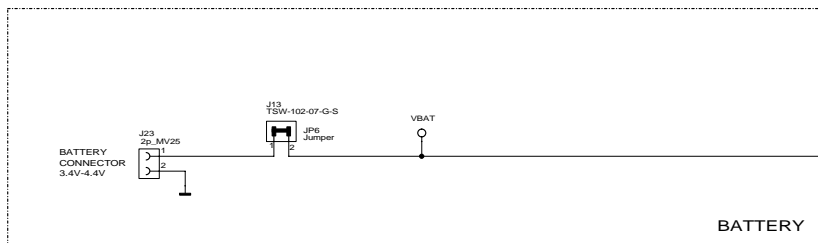
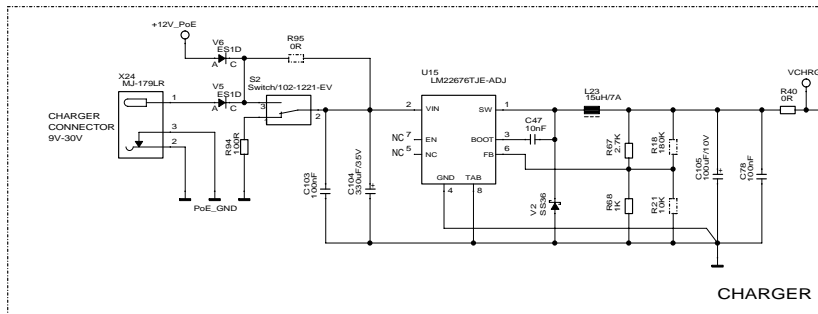
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| Usable for: | | | | | | | Filename: 3001372x-01_A.scm | | |
| | | | | | | JSCCWi-i.MX53 JumpStart Board for ConnectCore Wi-i.MX 53 | | | |
| | | | | | Date | Name | Title: Module Connector J1 | | |
| | | | | Designer | 26.07.2011 | DA | | | |
| | | | | Approved | | | | | |
| | | | | ISO | | | | | |
| | | | | | | | Partnumber: 55001662-01 | | |
| | | | | | | | | | |
| 01 | Initial Design | 26.07.2011 | DA |  | | | Sheet 2 of 15 | | |
| Rev. | Modification | Date | Name | | | | Provided for: | | Provided by: |




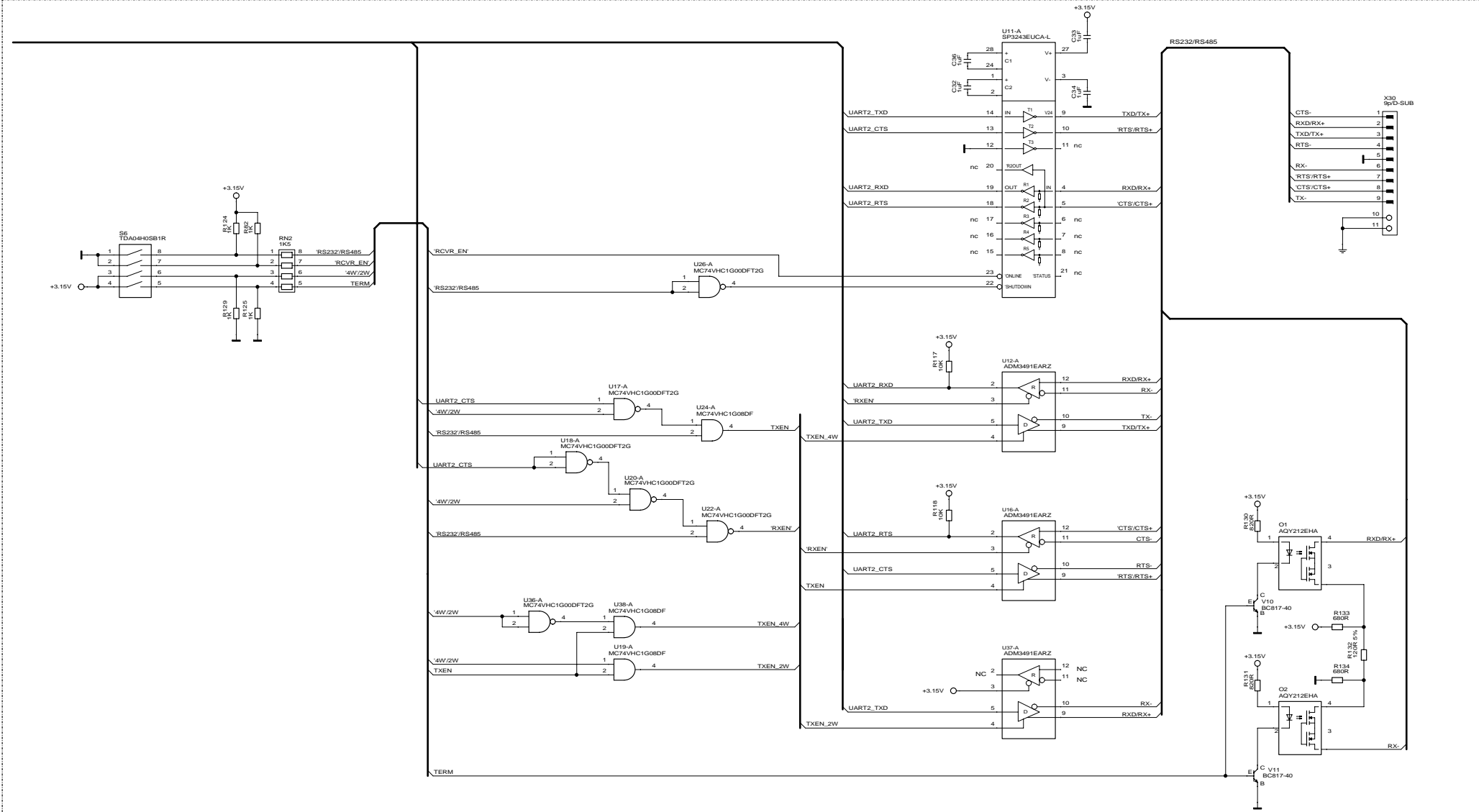
| GPIO | PIN | VOLTAGE | DESCRIPTION |
|----------|--------|---------|------------------------|
| GPIO4_0 | J1-62 | +2.775V | USER_KEY1 |
| GPIO4_1 | J2-102 | +2.775V | USER_KEY2 |
| GPIO_20 | J2-29 | +2.775V | DISP_GPIO |
| GPIO_5 | J1-178 | +1.8V | EM_IRO |
| GPIO_26 | J1-168 | +1.8V | HDMI_INT |
| GPIO_20 | J2-180 | +2.775V | USER_LED1 |
| GPIO_26 | J1-1 | +2.775V | Camera 1 Reset |
| GPIO_27 | J1-2 | +2.775V | Camera 0 Reset |
| GPIO_28 | J1-3 | +2.775V | PEN_IRQ |
| GPIO_29 | J1-4 | +2.775V | HUB_RESET |
| GPIO_14 | J2-167 | +3.15V | DIGI03 |
| GPIO_15 | J2-163 | +3.15V | DIGI00 / XBBE_RESET |
| GPIO_16 | J2-168 | +3.15V | DIGI02 / XBBE_ONSLEEP |
| GPIO7_6 | J2-165 | +3.15V | DIGI01 / XBBE_SLEEP_RO |
| GPIO7_12 | J2-177 | +2.775V | USER_LED2 |

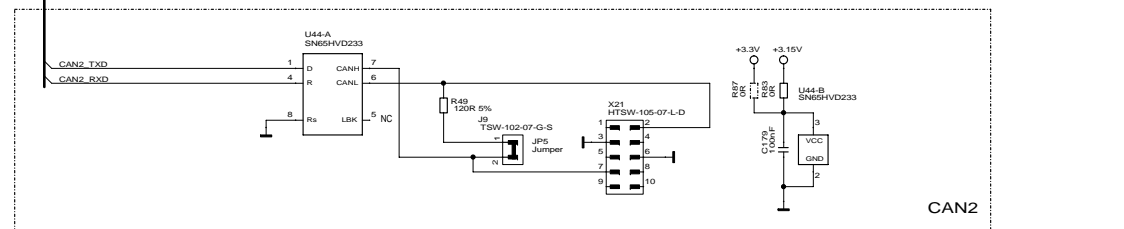
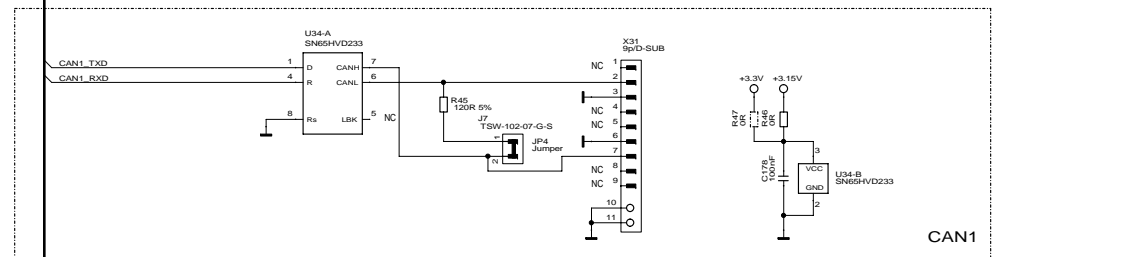
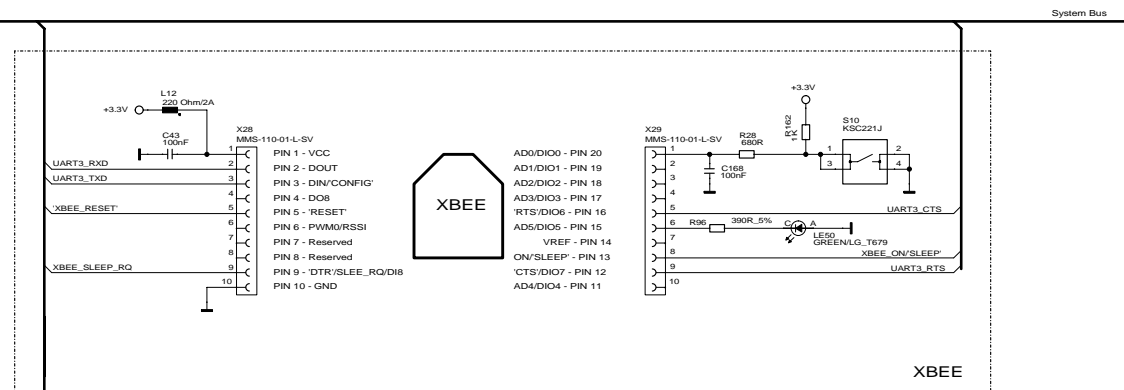
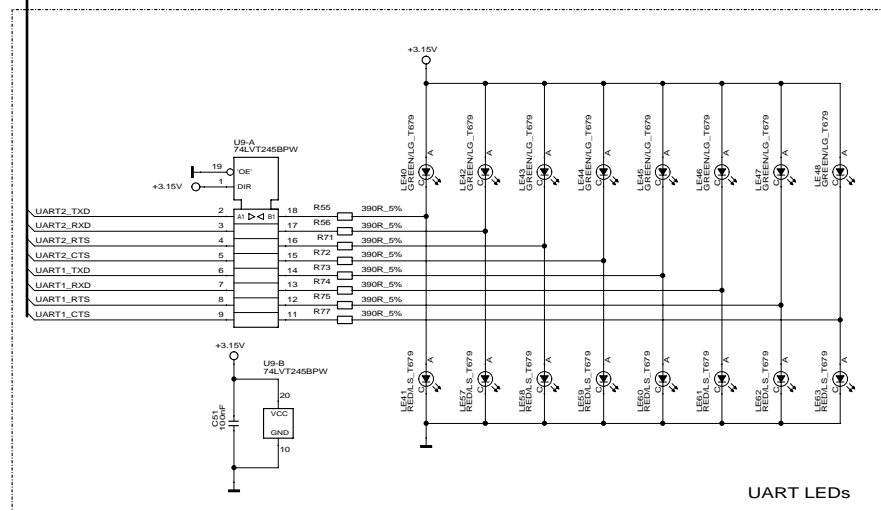
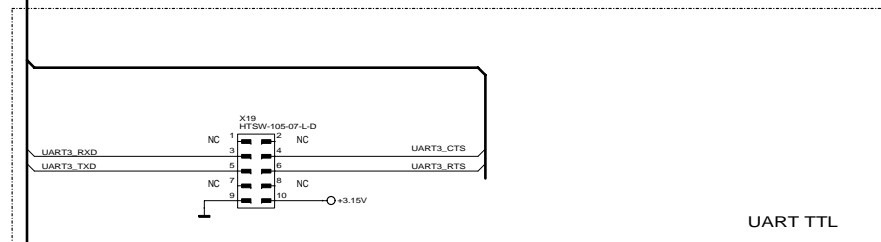
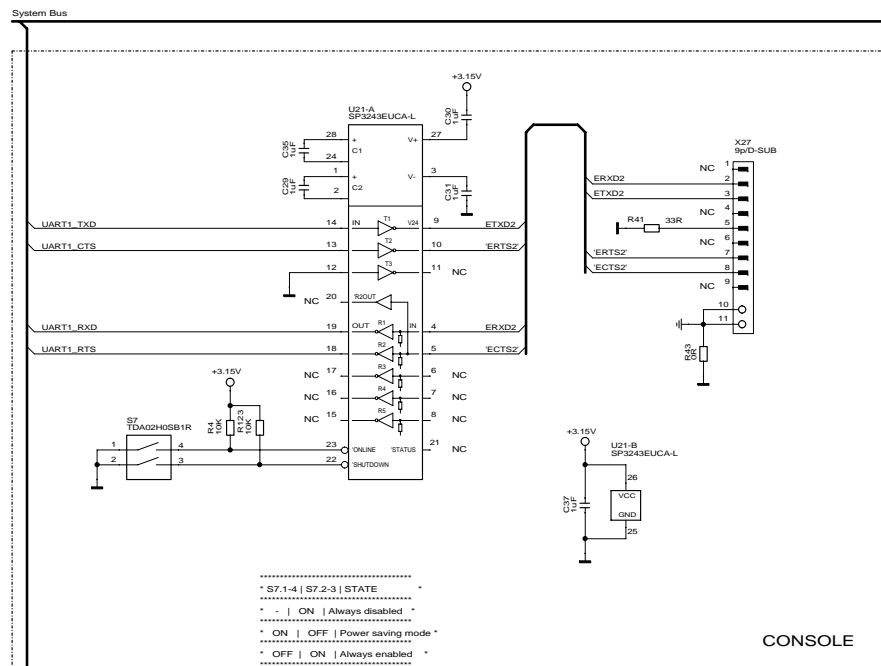
| GPIO | PIN | VOLTAGE | DESCRIPTION |
|-------------|-------|-------------|-------------|
| PMIC_GPIO8 | J1-37 | +1.8V/+3.3V | Not Used |
| PMIC_GPIO9 | J1-42 | +1.8V/+3.3V | POWER_EN |
| PMIC_GPIO13 | J1-40 | +1.8V/+3.3V | Not Used |
| PMIC_GPIO14 | J2-27 | +1.8V/+3.3V | PWM1 |
| PMIC_GPIO15 | J2-32 | +1.8V/+3.3V | PWM2 |


| | | | | | | | | |
|-------------|----------------|------------|------|---|------------|--|--------------|------------|
| Usable for: | | | | | | Filename: 3001372x-01_A_scm | | |
| | | | | | | JSCCW-i.MX53 JumpStart Board for ConnectCore Wi-IMX 53 | | |
| | | | | Date | Name | Title: Module Connector J2 | | |
| | | | | Designer | 26.07.2011 | | | DA |
| | | | | Approved | | | | |
| | | | | ISO | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | |  | | Partnumber: 55001662-01 | | Sheet 3 |
| 01 | Initial Design | 26.07.2011 | DA | | | | | of 15 |
| Rev. | Modification | Date | Name | | | Provided for: | Provided by: | |

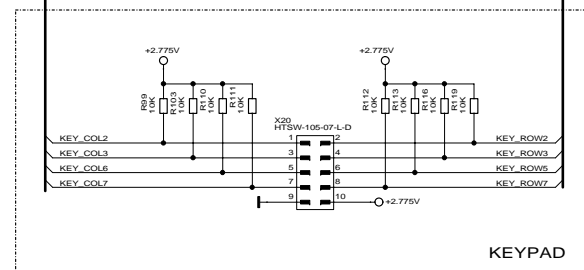
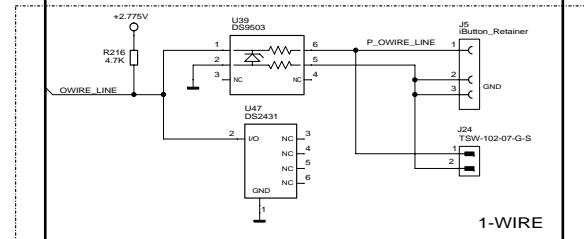
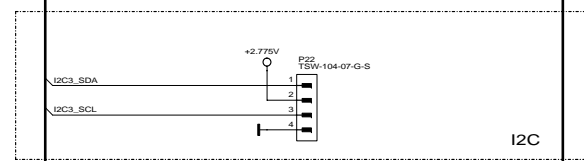
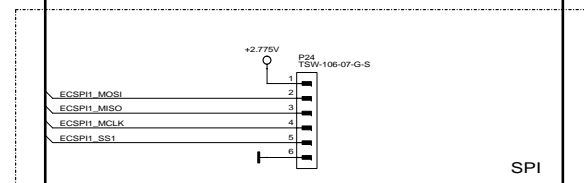
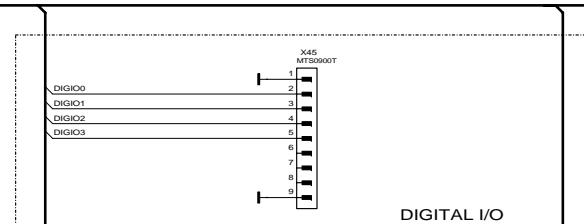
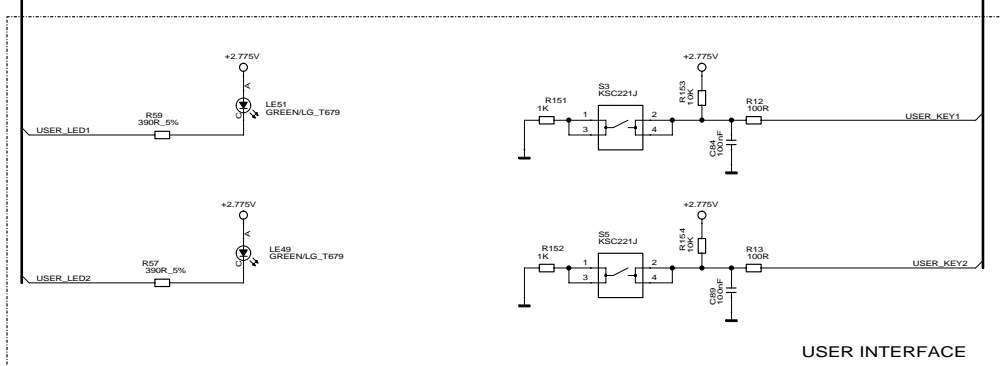
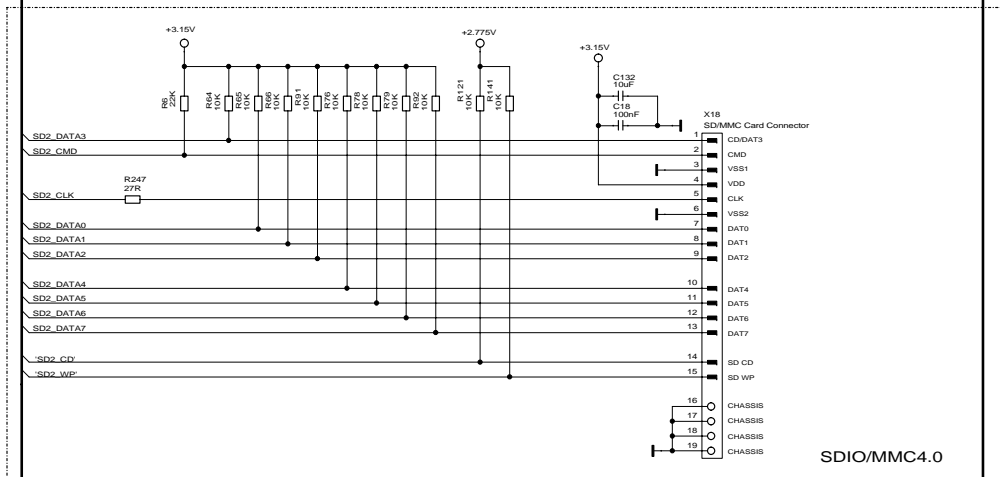
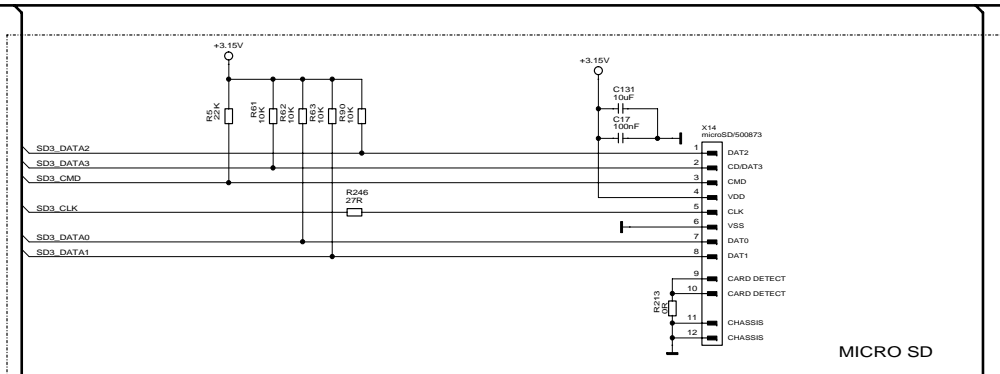



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| Usable for: | | | | | | Filename: 3001372a-01_A.scm | |
| | | | | | | JSCCWi-i.MX53 JumpStart Board for ConnectCore Wi-LMX 53 | |
| | | | | Date | Name | Title: Power supply, PoE, Coincell, Power button, Reset Button, JTAG | |
| | | | Designer | 26.07.2011 | DA | | |
| | | | Approved | | | | |
| | | | ISO | | | | |
| | | | | | | | |
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| | | | |  | | Partnumber: 55001662-01 | |
| 01 | Initial Design | 26.07.2011 | DA | | | | |
| Rev. | Modification | Date | Name | | | Provided for: | |
| | | | | | | Sheet of | |



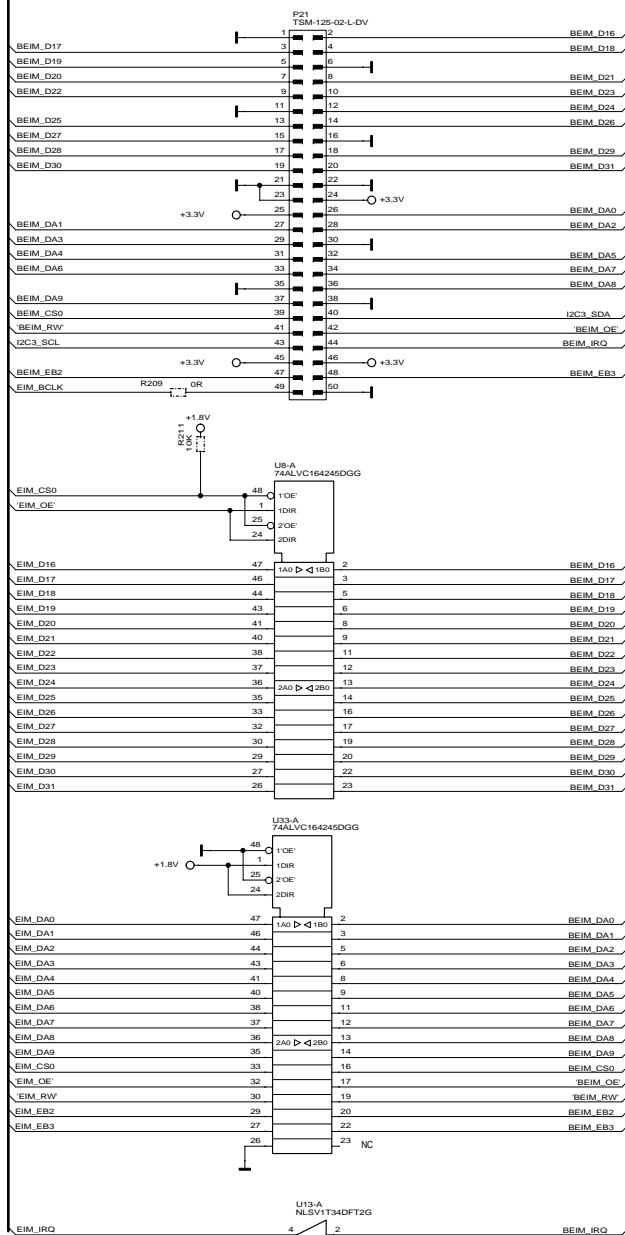


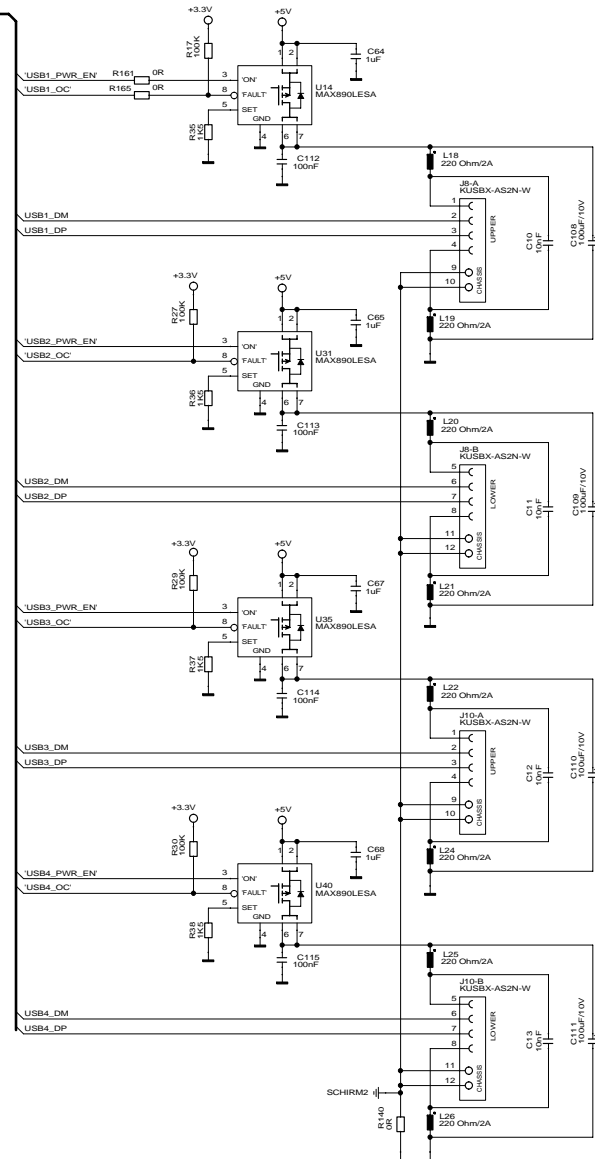
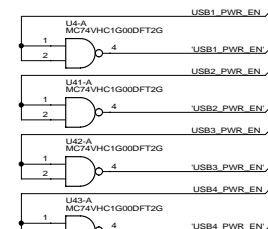
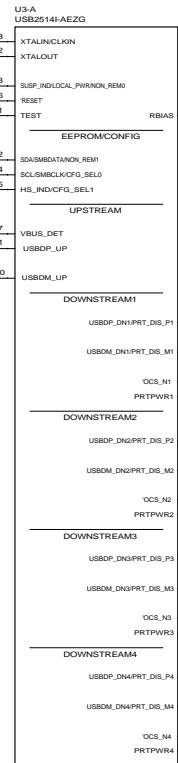
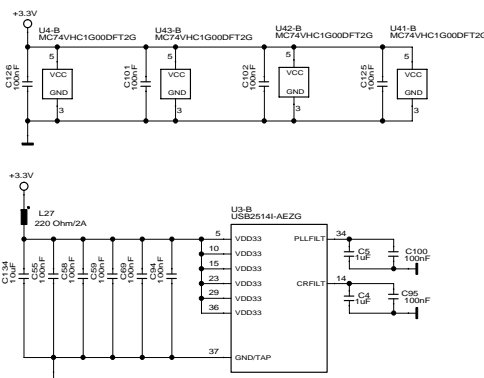
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| | | | | | | | | JSCCW-i.MX53 JumpStart Board for ConnectCore Wi-MX 53 | |
| | | | | Date | Name | Title: Console, UART TTL, XBee SATA, CAN | | | |
| | | | Designer | 26.07.2011 | DA | | | | |
| | | | Approved | | | | | | |
| | | | ISO | | | | | | |
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| | | | |  | | Partnumber: 55001662-01 | | | Sheet 8 |
| 01 | Initial Design | 26.07.2011 | DA | | | | | | Provided for: |
| Rev. | Modification | Date | Name | | | | | | |



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| Usable for: | | | | | | | | Filename: 3001372-01_A.scm | | |
| | | | | | | | | JSCCW-i.MX53 | | |
| | | | | | | | | JumpStart Board for ConnectCore Wi-MX 53 | | |
| | | | | | Date | Name | | Title: SD/MMC, MICRO-SD, SPI, I2C, DIGITAL I/O | | |
| | | | | Designer | 26.07.2011 | DA | | | | |
| | | | | Approved | | | | | | |
| | | | | ISO | | | | | | |
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| | | | | | | | | | | |
| | | | |  | | | | Partnumber: | | Sheet |
| | | | | | | | | 55001662-01 | | of 1 |
| 01 | Initial Design | 26.07.2011 | DA | | | | | | | |
| Rev. | Modification | Date | Name | | | | | Provided for: | Provided by: | |

PERIPHERAL HEADER





Filename: 3001372x-01_A.scm

JumpStart Board for ConnectCore Wi-i.MX 53

USB HOST, USB HUB

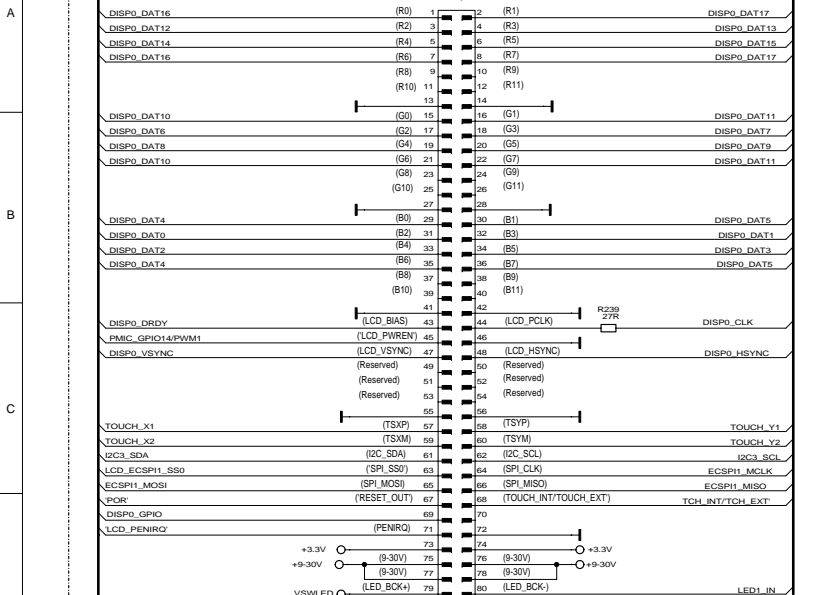
55001662-01

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| Sheet |
| 11 |

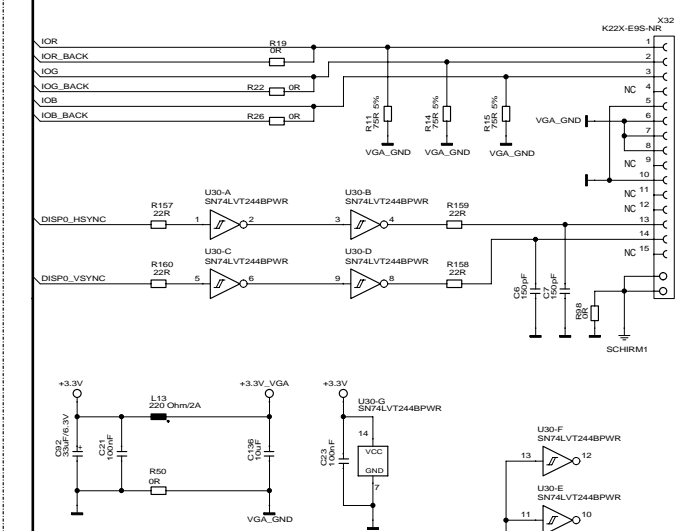
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| Rev. | Modification | Date | Name |
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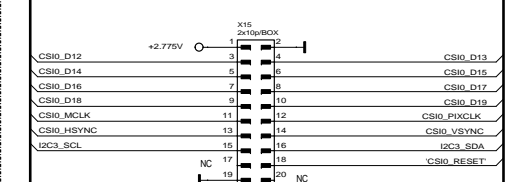




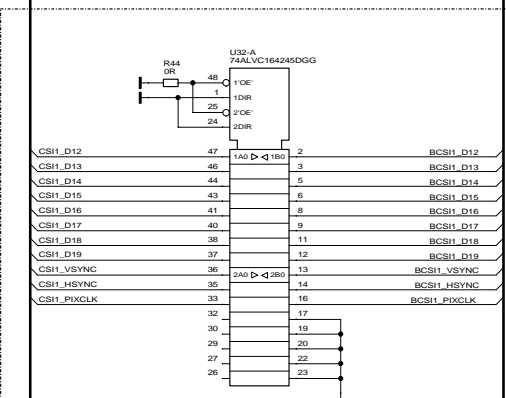
PARALLEL LCD



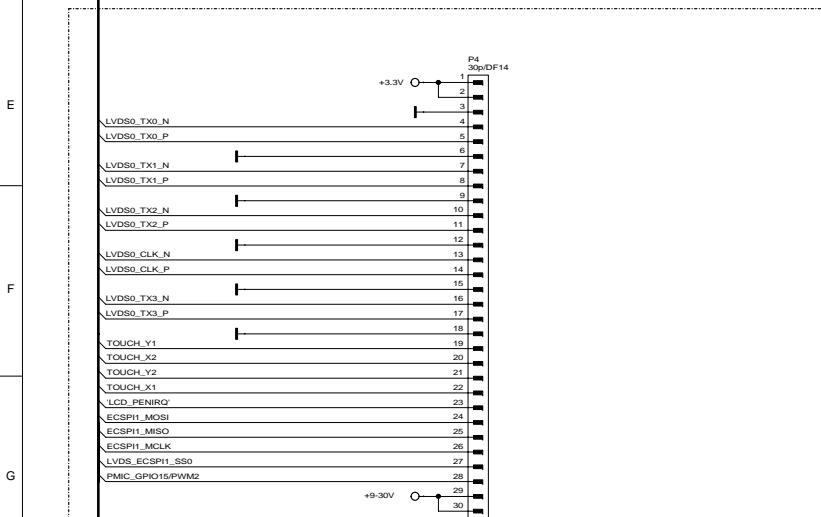
ANALOG VIDEO INTERFACE



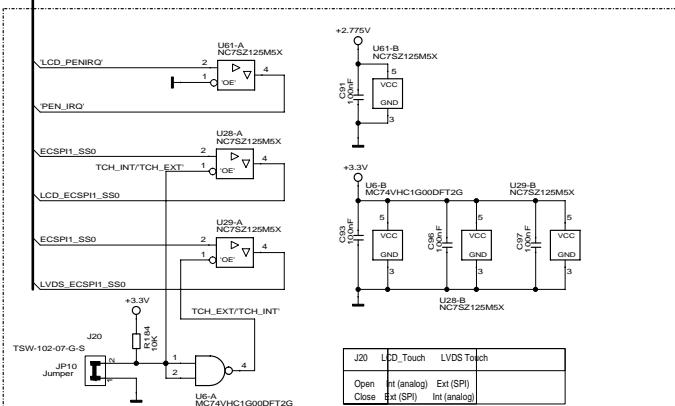
CAMERA 1



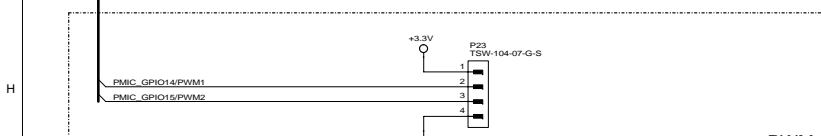
CAMERA 2




LVDS LCD

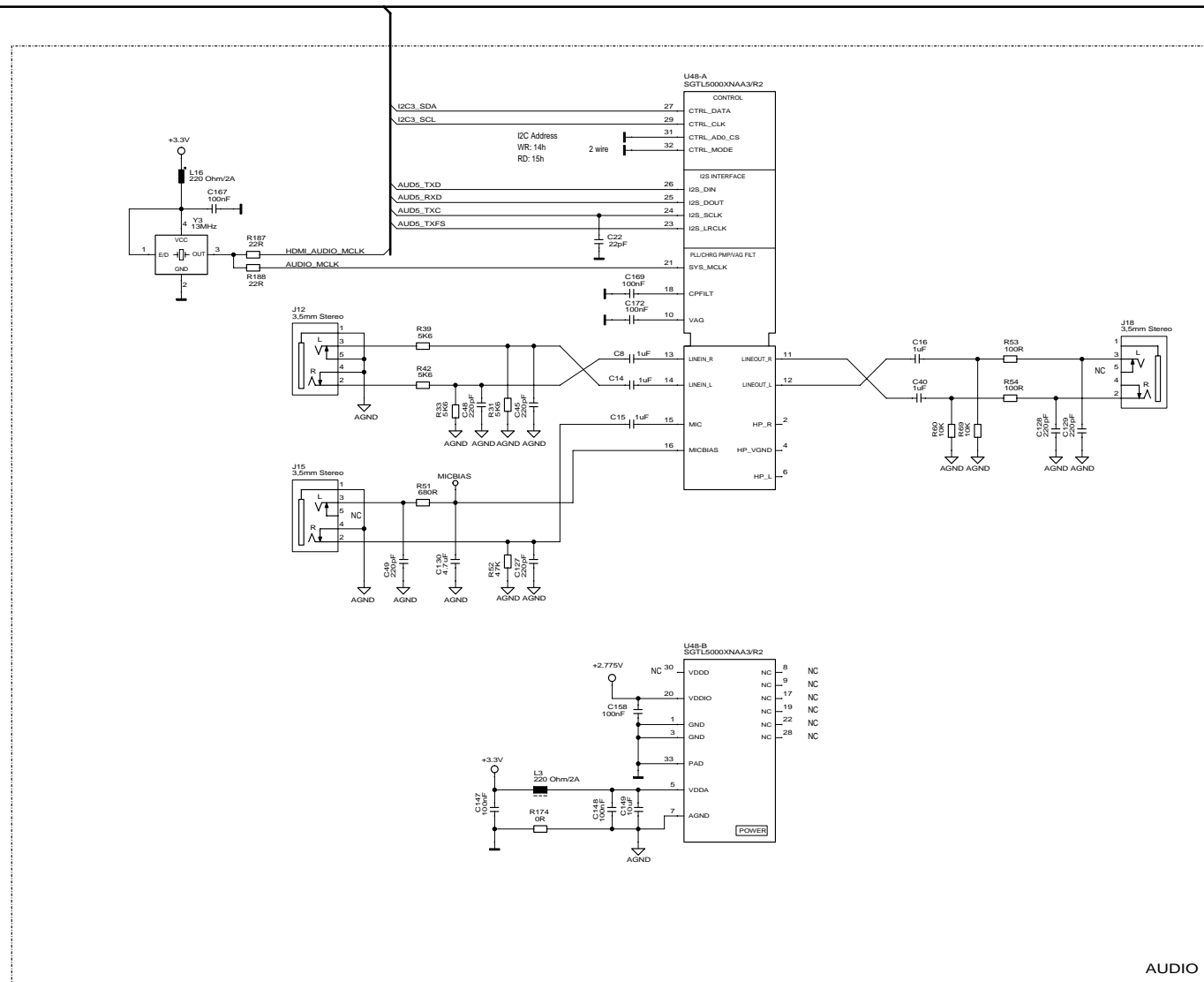


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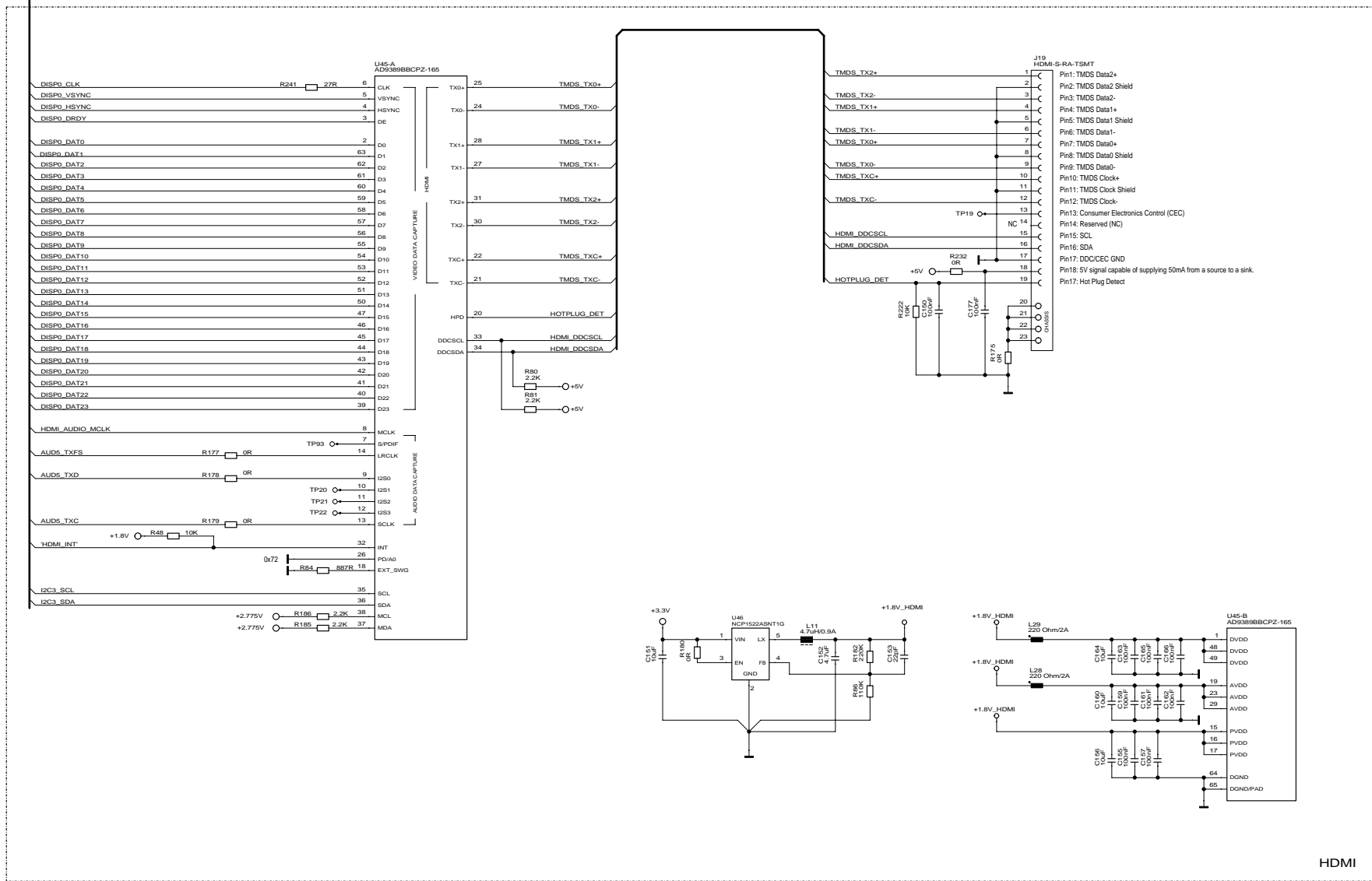
PWM

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| | | | | JSCCW-i.MX53 | | | |
| | | | | JumpStart Board for ConnectCore Wi-i.MX 53 | | | |
| | | | | Date | Name | Title: | |
| | | | | Designer | 26.07.2011 | DA | Camera, Display |
| | | | | Approved | | | |
| | | | | ISO | | | |
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| 01 | Initial Design | 26.07.2011 | DA |  | | Partnumber: | Sheet |
| | | | | | | 55001662-01 | 12 |
| Rev. | Modification | Date | Name | | | Provided for: | of 15 |
| | | | | | | Provided by: | |



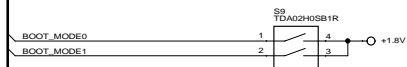
AUDIO

| | | | | | | | | | | |
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| Usable for: | | | | | | | | Filename: 3001372x-01_A_scm | | |
| | | | | | | | | JSCCW-i.MX53 JumpStart Board for ConnectCore Wi-i.MX53 | | |
| | | | | Date | Name | Title: AUDIO | | | | |
| | | | | Designer | 26.07.2011 | | | | | DA |
| | | | | Approved | | | | | | |
| | | | | ISO | | | | | | |
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| | | | |  | | Partnumber: | | | Sheet | |
| | | | | | | 55001662-01 | | | 13 | |
| 01 | Initial Design | 26.07.2011 | DA | | | | of 15 | | | |
| Rev. | Modification | Date | Name | | | | Provided for: | | Provided by: | |
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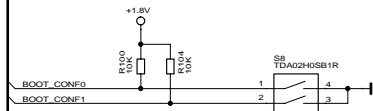


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| | | | | <div> <div>Name</div> <div>DA</div> </div> | |
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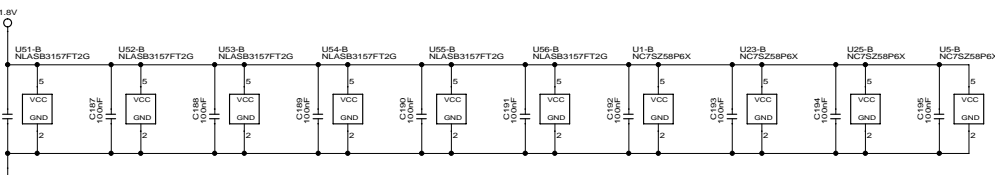
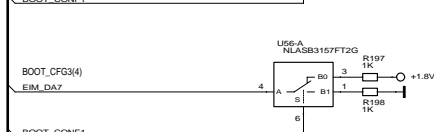
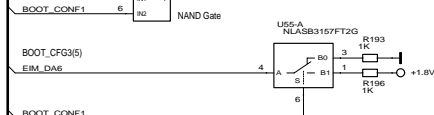
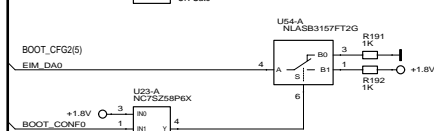
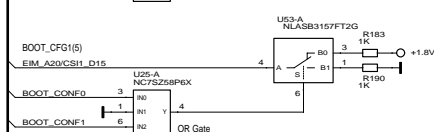
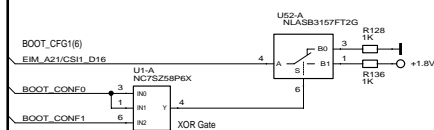
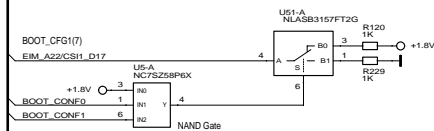




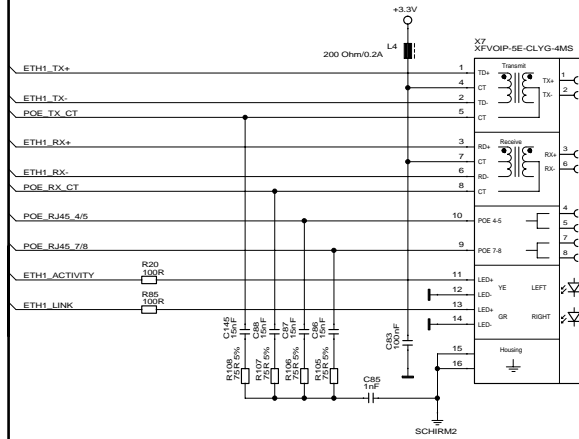
| BOOT_MODE1 | BOOT_MODE0 | Description |
|------------|------------|-------------------|
| Open | Open | Internal Boot |
| Open | Close | Reserved |
| Close | Open | Boot From Fuses |
| Close | Close | Serial Downloader |



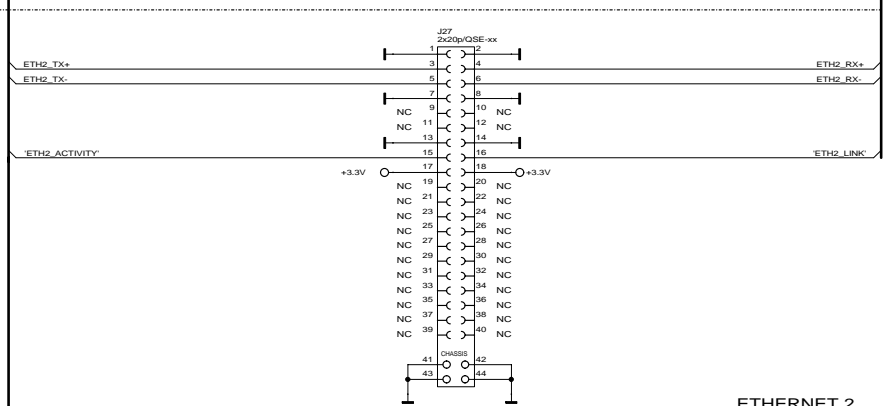
| BOOT_CONF1 | BOOT_CONF0 | Description |
|------------|------------|-----------------|
| Open | Open | Boot From Flash |
| Open | Close | Boot From uSD |
| Close | Open | Boot From SD |
| Close | Close | Boot From SATA |



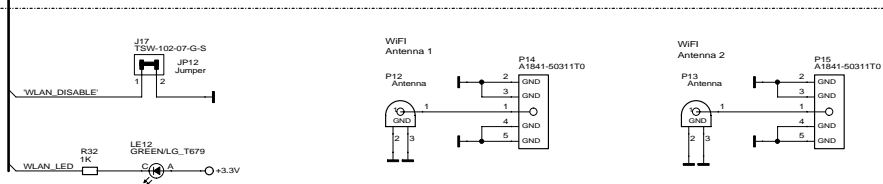
BOOTSTRAP



ETHERNET 1



ETHERNET 2



WLAN

| | | | | | |
|--------------------------------------|--|--|--|---|--|
| Usable for: | | | | Filename: 3001372-01_A.scm | |
| | | | | JSCCWi-i.MX53 JumpStart Board for ConnectCore Wi-MX 53 | |
| | | | | Title: BOOTSTRAP, ETHERNET, WLAN | |
| | | | | Partnumber: 55001662-01 | |
| | | | | Sheet 15 of 15 | |
| Rev. 01 Initial Design 26.07.2011 DA | | | | Provided for: Provided by: | |