EUKREA électromatique

ingénierie des systèmes embarqués

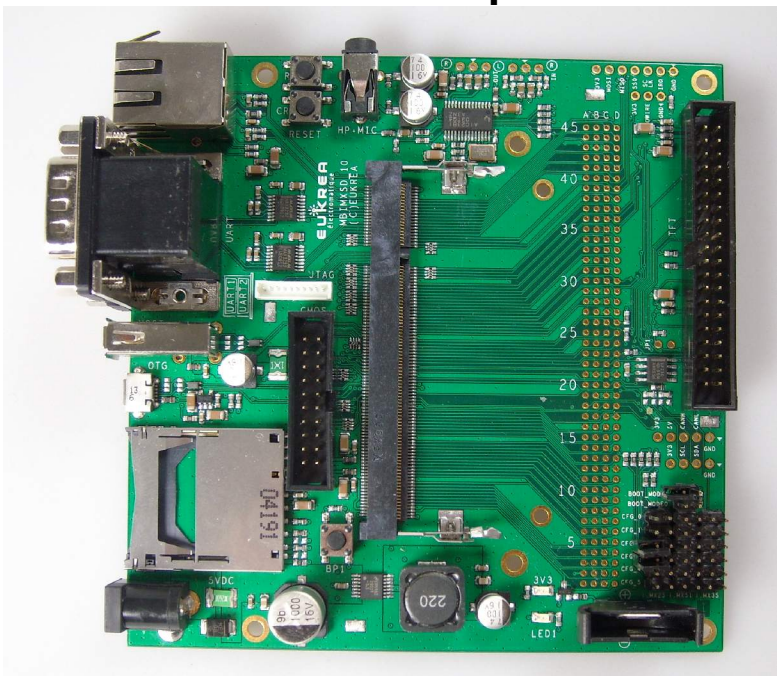
Compatible SODIMM System On Modules

CPUIMX51SD – CPU : Freescale i.MX515 - ARM Cortex A8 800MHz
256 MB DDR2 - 1GB NAND - 1 x USB 2.0 HS - 1 x USB OTG - Ethernet 10/100
RTC I2C (PCF8563) – Touchscreen Controler (TSC2007) – CAN Controler (MCP2515)
67.6 x 35.25 mm – 3.3V power supply – 3.0V backup battery supply for RTC
operational temperature range : -20°C +70°C

CPUIMX35SD – CPU : Freescale i.MX357 – ARM 1136 JF-S 533MHz
128 MB mDDR - 256MB NAND - 1 x USB 2.0 FS - 1 x USB OTG - Ethernet 10/100
RTC I2C (PCF8563) – Touchscreen Controler (TSC2007)
67.6 x 31.75 mm – 3.3V power supply – 3.0V backup battery supply for RTC
operational temperature range : -40°C +85°C

CPUIMX25SD – CPU : Freescale i.MX257 – ARM 926 EJ-S 400MHz
64 MB mDDR - 256MB NAND - 1 x USB 2.0 FS - 1 x USB OTG - Ethernet 10/100
RTC I2C (PCF8563) – Touchscreen Controler (TSC2007)
67.6 x 31.75 mm – 3.3V power supply – 3.0V backup battery supply for RTC
operational temperature range : -40°C +85°C

Development Kit and Display Boards



DVI
display board

QVGA TFT
with touchscreen
display board

Evaluation Motherboard : easy access to all the signals

System On Modules :
reduce the development schedule of your next product

Hardware Engineering
custom optimized hardware development

Enbedded Linux Engineering
BSP creation, drivers development ...

Embedded Linux training
custom training to fully answer your needs

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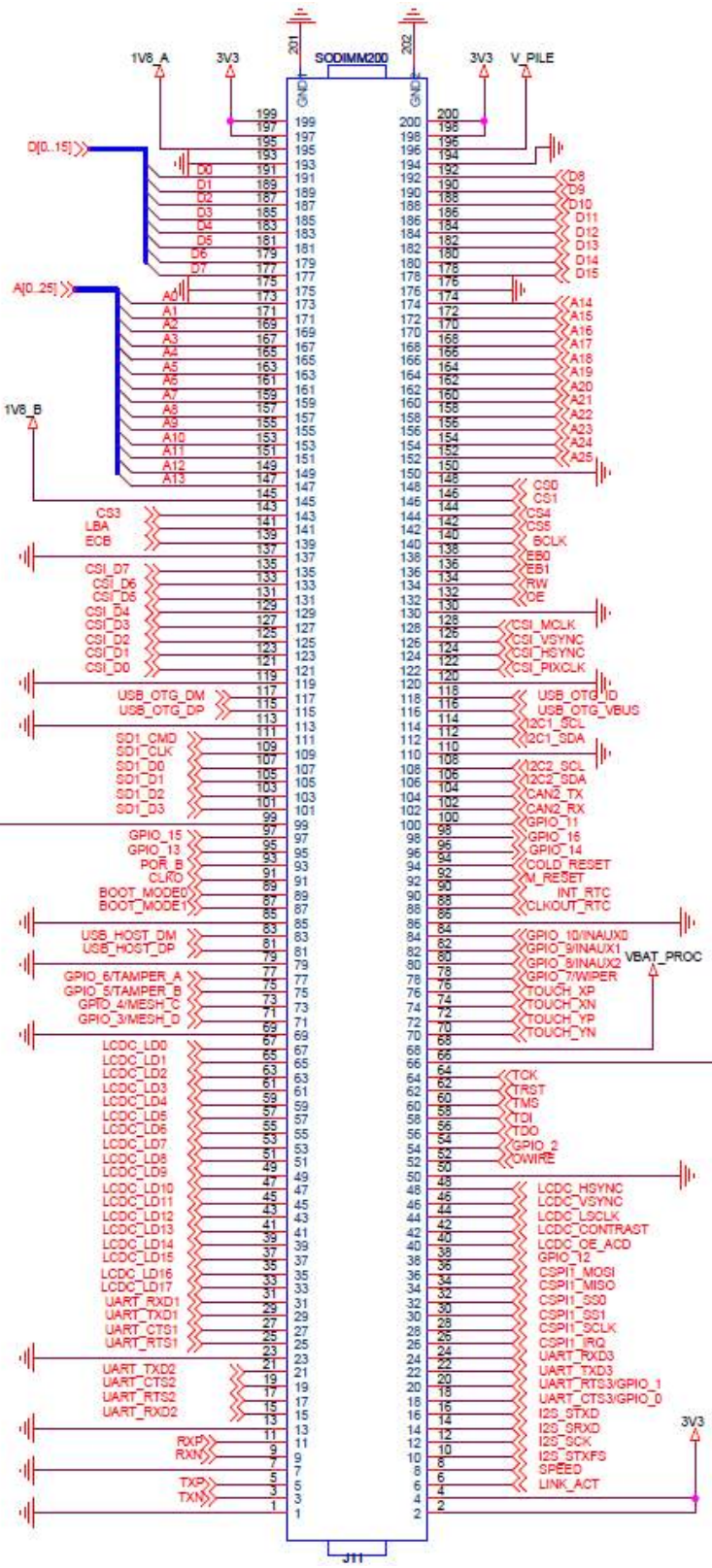
CPUIMXSD Connector Pinout (main functions)



16 bits data

26 bits adresses

Bus control signals

CMOS Sensor Interface

USB OTG
I2C1
I2C1
CAN 2.0B

SDCard

RESET signals
RTC signals

Boot mode selection
USB Host

4 wire touchscreen

JTAG
1-Wire

LCD Controler

UART1

SPI

UART2

UART3

Ethernet 10/100

I2S

most unused functions' signals can be used as plain GPIO (general purpose input / output)
only one power supply is mandatory : 3.3V DC (module provides 1.8V for external components powering)

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