PYRITE+
MEC1723/MEC1727 Modular EC Card

Mates with Intel RVP MTL Platforms

BLOCK DIAGRAM

Description	Sheet
Title Page	1
MEC1723 or MEC1727	2
MECC Connector, eSPI	3
Keyboard Scan, Trace FIFO, JTAG, SPI Flash	4
TBD	5
TBD	6
TBD	7
TBD	8
TBD	9
TBD	10
TBD	11
TBD	12
TBD	13
TBD	14

Revision History

Rev 1.0:
Initial Release

Rev 1.1:
Fixed Title Blocks incorrect part #
Change Gigadevice 1.8V part #

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EVB Number: 6930
Page Title: MEC172x Modular EC Card

Size:	Engineer:	Assembly Number:	PCB Rev:	Sch. Rev:
	T.T.	6930	B	1.1

Date: Wednesday, June 22, 2022 Sheet 1 of 4

MEC1723-SZ (Windows) / MEC1727-SZ (Chrome)

JP26 1-2 = VTR2 @ 1.8V (Chrome)
JP26 2-3 = VTR2 @ 3.3V (Windows)

NOTE:
VTR3 jumper on pg3

Power LED

Voltage Regulator

PS2 Interface

JTAG Interface

FAN PWM & TACH

BC-LINK

Host Interface

VCI Interface

GPIO & Pass Through

Misc. Interface

SMBus & GPIO

ADC Interface

LED2 / LED1

CMP_STRAP

32 KHz Clock (Default Internal ROSC)

UART_BSTRAP

JP23 IN - Enable UART Crisis Recovery Flash Programming

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Size:	
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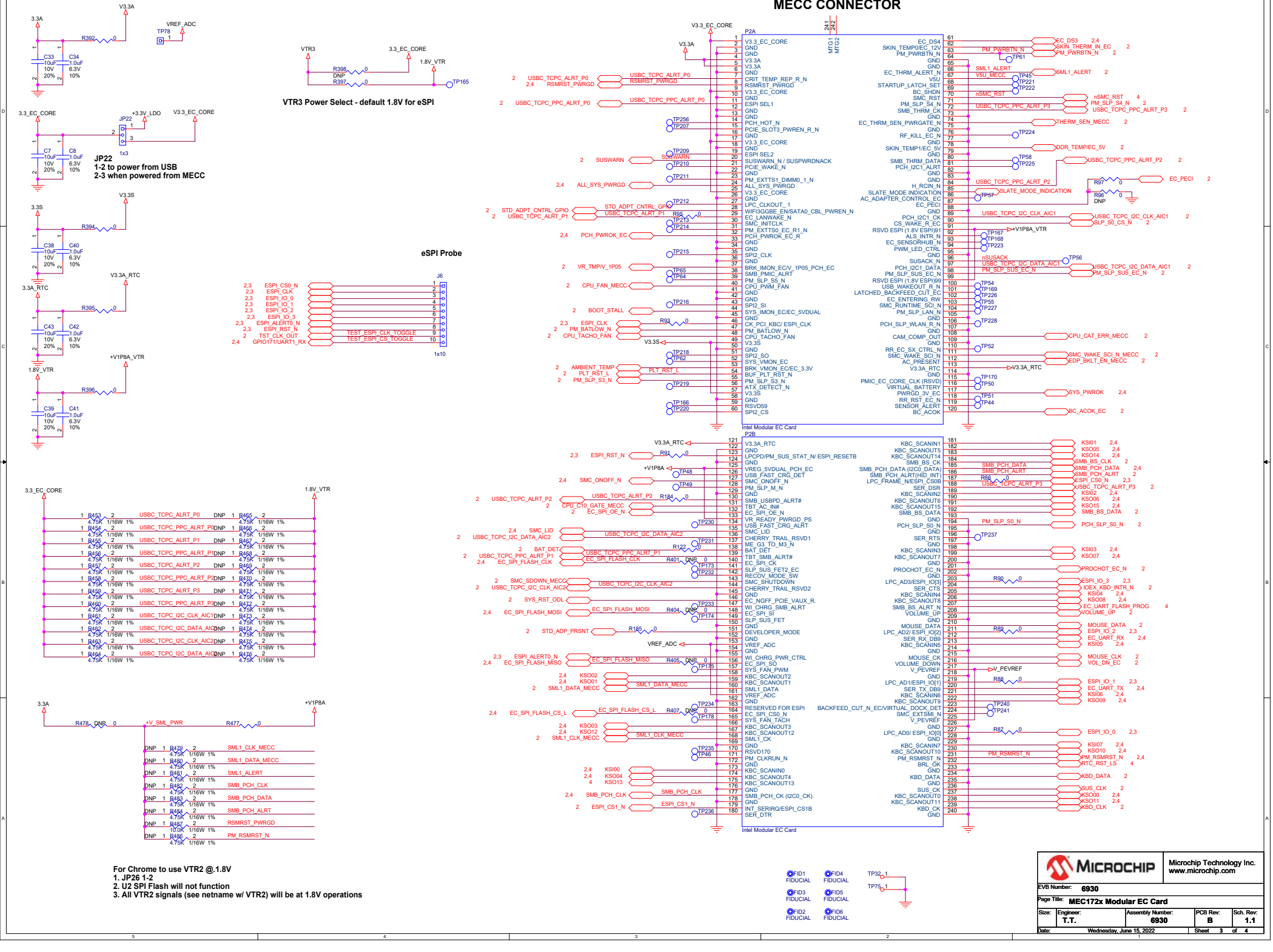
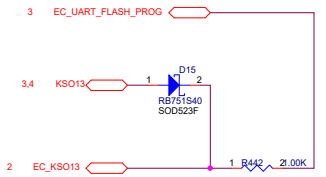
PCB Rev:	B
Sch. Rev:	1.1
Date:	Wednesday, June 15, 2022
Sheet	2 of 4

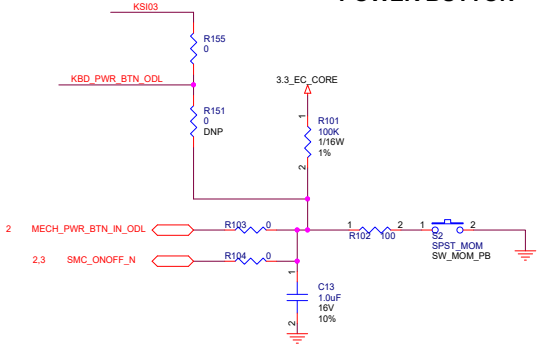
MECC CONNECTOR

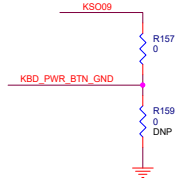


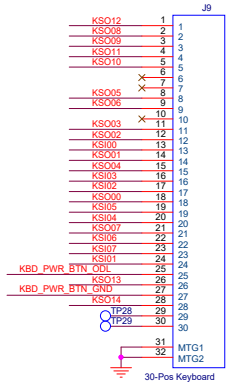
EC UART Flash Programming (MEC1727)



POWER BUTTON



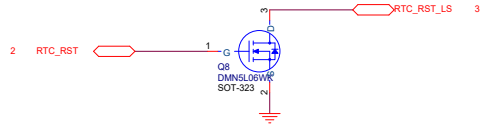




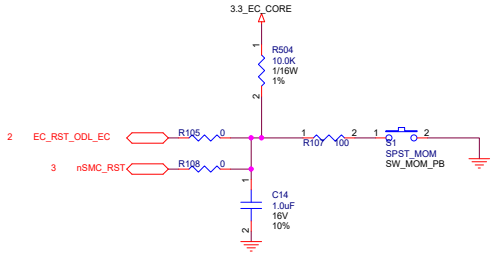
Keyboard Interface

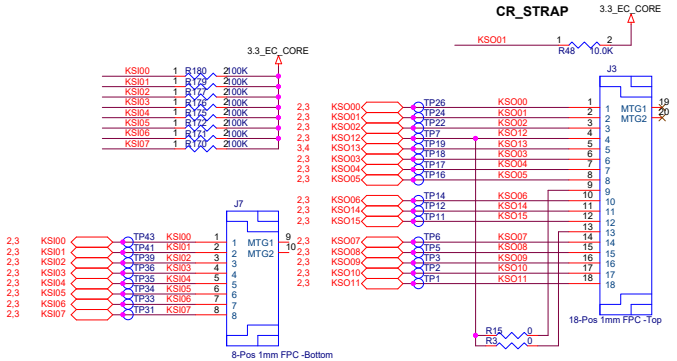
J9 - Chromebook Keyboard (Default)
J3/J7 - Microchip Keyboard (Reserved Test Only)

RTC RST GENERATION

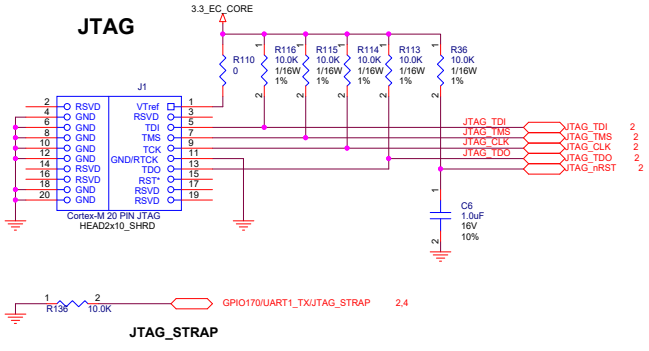


RESET CIRCUIT

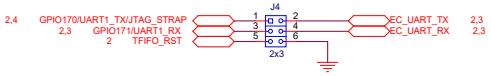




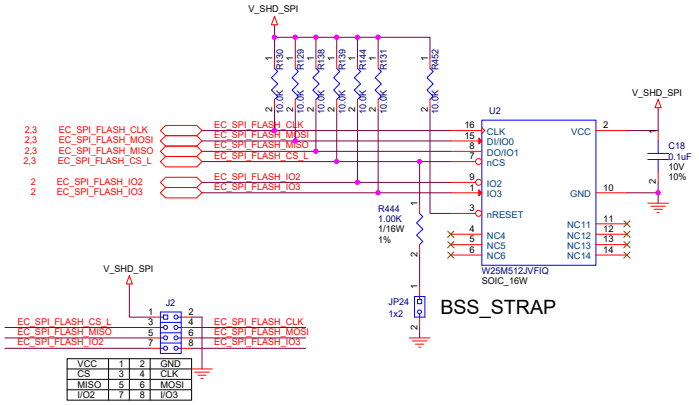
JTAG



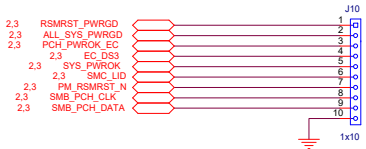
Software Developers Debug Interface



EC SPI FLASH (SOP-16)
3.3V SPI Flash - Winbond W25R512JVFIQ
1.8V SPI Flash - GigaDevice GD25LR256EFIRR



Power Sequences Probe



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Date: Wednesday, June 22, 2022		Sheet 4 of 4	