# PicoZed FMC Carrier

**Title:** PicoZed FMC Carrier  
**Date:** 10 FEB 2015  
**Time:** 9:28:40 AM

## JX3 Interfaxes
- Interfacing, HDMI, SW, Switches, LEDs

## JX2 Interfaxes
- Interfacing, HDMI, SW, Switches, LEDS

## JX1 Interfaxes
- Interfacing, HDMI, SW, Switches, LEDS

## Block Diagram

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Peripherals - 1

Operational Note:
PL PMOD data rates:
Open Drained: 2 Mbps
Push-Pull: 60 Mbps
JX2 - HDMI Video Encoder

ADV7511 POWER SUPPLY FILTERS

CEC OSC - 12MHz
Default: DNP

AVNET Engineering Services
08 - JX2 - HDMI Interface SchDoc
PicoZed FMC Carrier
POWER SEQUENCE:
Vccio_En -> 1V -> 1.2V & 1.8V -> VADJ & 3.3V

VADJ SELECTION (1.8, 2.5V, 3.3V)

WARNING:
- VADJ MUST HAVE VADJ_SET TO 1.8V ONLY

VADJ VOLTAGE SELECTION:
- 1.8V (no jumper)
- 2.5V (with jumper)
- 3.3V (via jumper)

SilkScreen:
- Short 5-6

NOT ATX COMPATIBLE

BOARD POWER
VIN TO 5V POWER SUPPLY

SOM POWER CONTROL

VOLTAGE MONITOR HEADER

USE CON2 TO MEASURE VADJ AND GROUND

1.2V_AVTT

1.8V

3.3V

1.2V_AVTT

1.6_AVCC
Revision Notes:
Revision A:
1) Initial design

Revision B:
1) Updated BOM
2) Updated power circuit for 12V input
3) Added U15, USB CPEN control

Revision C:
1) Production 1st run
2) Updated Clock Capable pins
3) Added PL PMOD translators
4) Updated JT1 position
6) Updated GA 0:1 note
7) Updated BOM
8) Added Frequency tables
9) Reorganized pages
10) Added USB OTG control translator

Mechanicals:

PCB Mounting Holes

Bumper Standoffs

7.9mm Bumper