



Top side:

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|---|------------------------------|
| 1. 5V DC In Jack (J19) | 16. Miscellaneous Header |
| 2. Boot select switch (SW6) | 17. USB1 Host |
| 3. LVDS0 Header (Secondary Display) | 18. I2C/SPI Header |
| 4. RS232 Header | 19. 10/100/1000Mbps Ethernet |
| 5. LVDS1 Header (Primary Display) (J15) | 20. USER Button1 |
| 6. MIPI CSI-2 Camera | 21. USER Button2 |
| 7. JTAG Header | 22. USER Button3 |
| 8. Capacitive Touch (J7) | 23. Reset Button |
| 9. VAR-SOM-SOLO/DUAL Connection | 24. OFF/ON Switch (SW5) |
| 10. Headphones Out | |
| 11. Line In | |
| 12. Parallel Camera Header | |
| 13. HDMI | |
| 14. CAN Bus Header | |
| 15. USB0 Host | |

Bottom side:

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| 25. USB Debug (J103) |
| 26. micro SD Card slot (J102) |
| 27. RTC Battery Holder |
| 28. USB0 OTG |
| 29. Resistive Touch |

DVK initial Setup

- Carefully remove the 7" LCD and VAR-SOLOCustomBoard board from the package.
- Connect the 7" LCD Touch and Display cables to the DVK connectors J7, J15 respectively as shown in the upper left picture.
Note: Display cable connector pins 1,2 (colored in red) should be connected to J15 pins 1, 2 respectively.
Touch cable – connect cable with metal contacts facing down.
- Plug the USB type A to micro B cable between the USB debug connector (J103) and a PC USB port.
- Plug the wall adapter's pin into the VAR-SOLOCustomBoard 5V power jack (J19).

Setting the Host PC for Debug

1. Download any PC terminal program. Variscite suggests using [Putty](#)
2. Set PC terminal software parameters as follows:
 - Baud Rate: 115200
 - Data bits: 8
 - Stop bits: 1
 - Parity: None
 - Flow Control: None

Using Default file System

1. Set Boot select switch (SW6) left to boot from VAR-SOM-SOLO/DUAL NAND.
2. Switch ON (upwards) the SW5 switch.
3. Boot messages are printed within PC's terminal window.

Bootting from micro SD Card

The microSD card is supplied within the package. The image can be also downloaded from Variscite FTP site. Please contact Variscite's sales for details: sales@variscite.com

1. Verify Switch SW5 is OFF (downwards).
2. Set Boot select switch (SW6) right to boot from microSD Card.
3. Push microSD card into the microSD card slot (J102) of the VAR-SOLOCustomBoard.
4. Switch ON (upwards) the SW5 switch.
5. Boot messages are printed within PC's terminal window.

Burning Recovery File System

Please refer to Variscite's wiki pages at:
http://variwiki.com/index.php?title=VAR-SOM-MX6_Yocto_NAND_Recovery

Additional Support Links

1. Wiki pages:
www.variwiki.com
2. Support Forum:
<http://variscite.com/support-forum>
3. VAR-DVK-SOLO / DUAL:
<http://www.variscite.com/products/evaluation-kits/var-som-solo-kits>
4. VAR-SOM-SOLO / DUAL:
<http://www.variscite.com/products/system-on-module-som/cortex-a9/var-som-solo-cpu-freescale-imx6>
5. VAR-SOLOCustomBoard:
<http://www.variscite.com/products/single-board-computers/var-mx6customboard>

Thank you for purchasing Variscite's product.

For additional assistance please contact:
support@variscite.com