## VAR-AM35CustomBoard v2.3B



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#### Disclaimer:

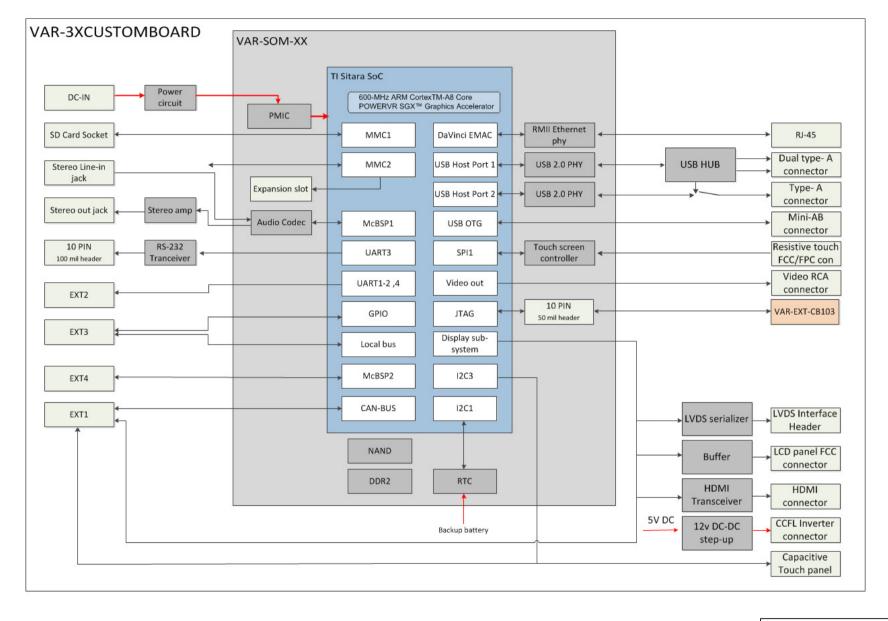
SchematicS are for reference only. Variscite LTD provides no warranty for the use of these schematics. Schematics are subject to change without notice.

## Revision History

Rev 2.0	Added Features: 3 Port USB Composite Video Out VAR-SOM-37xx Support
Rev 2.0 A	VAR-SOM-37xx Assembly
Rev 2.0 B	VAR-SOM-35xx Assembly
Rev 2.1	VAR-SOM-AM35xx Assembly option
Rev 2.1 A	VAR-SOM-37xx Assembly
Rev 2.1 B	VAR-SOM-35xx Assembly
Rev 2.2	Adding GPIO level translator , Line in improvments
Rev 2.2 A	VAR-SOM-37xx Assembly
Rev 2.2 B	VAR-SOM-35xx Assembly
Rev 2.21	SD Card Connector Replace J1.123 switched with J1.121 (USBHOST2_DM /USBHOST2_DP)
Rev 2.3	Extension connectors part number change J1.158 changed to GPIO64
Rev 2.3A	TV OUT Filter- C89 NC
Rev 2.3B	VAR-SOM-AM35 Symbol- pin 185 changed to GPIO157



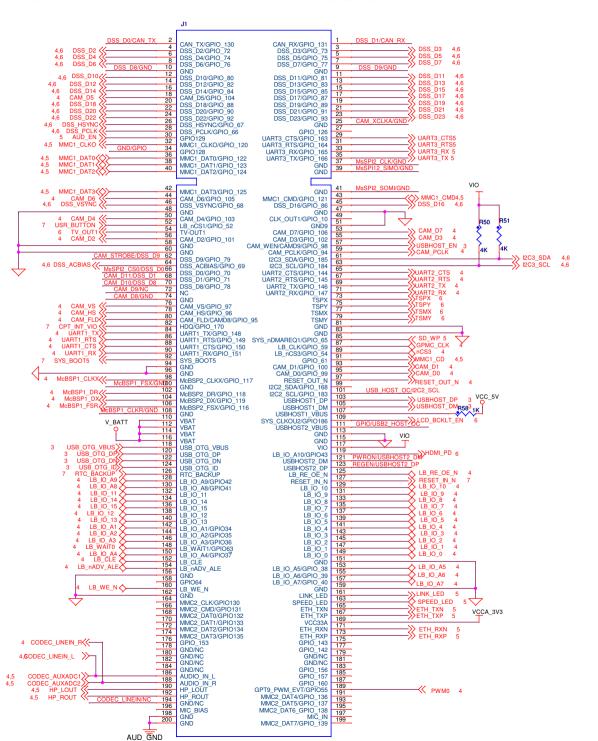
# 02 - Bloack Diagram





### 03 - VAR-SOM-AM35 Connector

SO -DIMM200



VAR-SOM-OM35/37 Assembly option VAR-SOM-AM35 Assembly option 4,6 DSS\_D0 (R113 OR <ASSY> DSS\_D0/CAN TX R117 OR -ASSYS ->> EXT1 4.6 B118 0B 4,6 DSS\_D1 ( R114 OR <ASSY> DSS\_D1/CAN\_RX ->> EXT2 4.6 4.6 EXT1 ( R115 OR <ASSY> DSS DO 4,6 EXT2 ( R116 OR < ASSY> DSS D1 4,6 DSS\_D8 ( R120 OR <ASSY> DSS\_D8/GNE R121 OR <ASSY> 4,6 DSS\_D9 (R119 OR <ASSY> DSS D9/GND R122 OR <ASSY> R123 OR <ASSY> GND/GPIO 4 CAM\_XCLKAK R125 OR KASSY> CAM\_XCLKA/GND R126 OR <ASSY> 4 MsSPI12\_SIMO ( R127 OR <ASSY> MsSPI12\_SIMO/GNE R129 OR <ASSY> 4 MsSPI2 CLK / R128 OR < ASSY> MsSPI2 CLK/GN R130 OR <ASSY> 4 MsSPI2 SOMICE R131 OR <ASSY> MsSPI2 SOMIGND R132 OR <ASSY> R54 100K ASSY> USB\_HOST\_OC/I2C2\_S V\_BATT O ASSY> PWRON/USBHOST2\_DM R134 OR <ASSY>>> USBHOST2\_DM 4,6 4 CAM STROBE ( R136 OR < ASSY > CAM STROBE/DSS DS R137 OR <ASSY>DSS D9 MsSPI2 CS0 ( R138 OR <ASSY> MsSPI2 CS0/DSS\_D R139 OR <ASSY>DSS\_D0 CAM\_D11 R140 OR <ASSY> CAM\_D11/DSS\_D1 R141 OR <ASSY>DSS\_D1 4 CAM D10 ( R142 OR <ASSY> CAM\_D10/DSS\_D8 R143 OR <ASSY>DSS\_D8 4 CAM\_D8 CAM\_D8 CAM\_D8/GND R145 OR <ASSY> 4 McBSP1 FSX( R146 OR <ASSY> McBSP1\_FSX/GND R147 OR <ASSY> 4 McBSP1\_CLKRX\_R148 QR <ASSY> McBSP1\_CLKR/GND R149 OR <ASSY> R56 1K 4 CODEC\_LINEIN\_RC R150 OR <ASSY> CODEC\_LINEIN/NC USBHOST2\_DEX\_\_R135\_0R\_<ASSY\_REGEN/USBHOST2\_DP ( R151 OR <ASSY> CAM D9/NC 4 CAM D9

<b>V</b> ariscit⇔						
Title 03 - VAR-SOM-AM35 Connector						
Size	Document Number	Project Rev				
A3	VAR-AM35CustomBoard v2.21	VAR-AM35CustomBoard 2.3	зв			
Designer: <designer></designer>		Approved By: <approved by=""></approved>				
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