### VAR-OM35CustomBoard v2.3



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### Disclaimer:

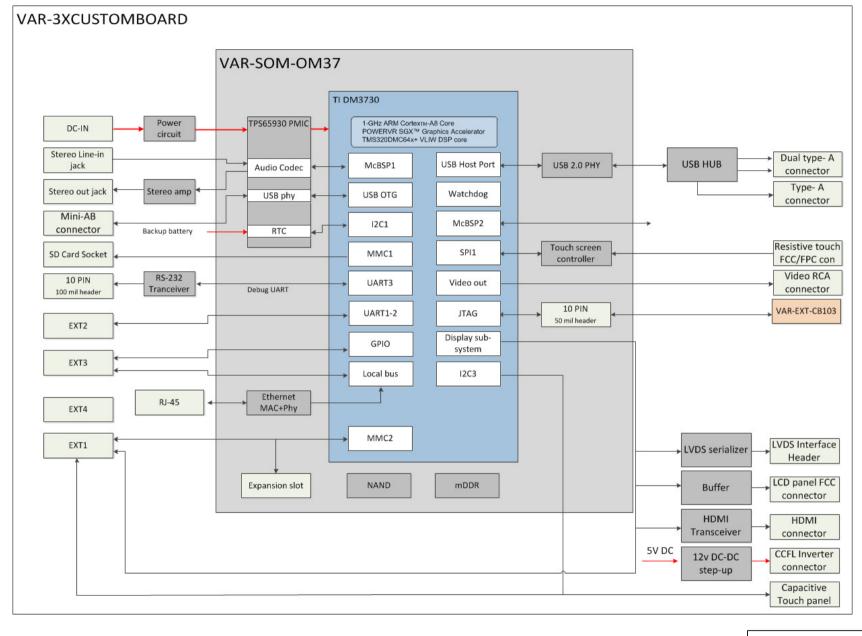
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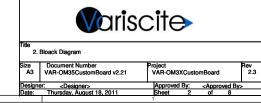
# Revision History

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 change
Rev 2.3	Extension connectors part number change

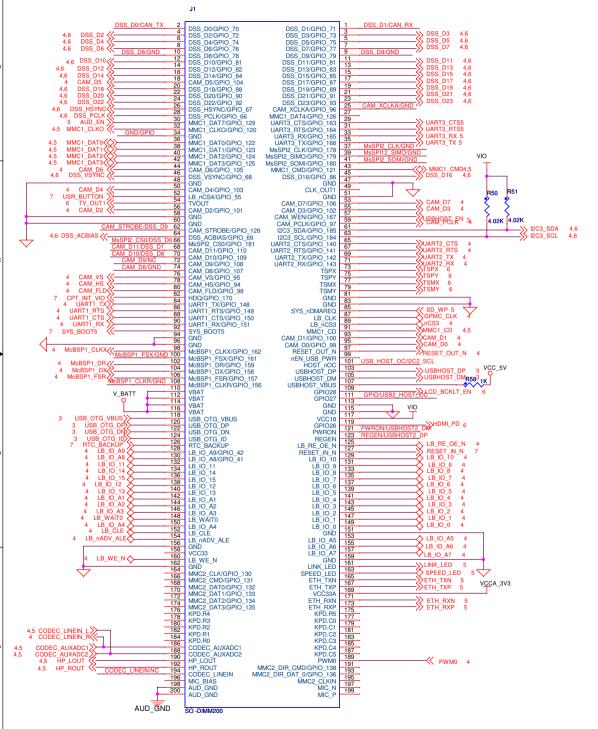


# 02 - Bloack Diagram





## 03 - VAR-SOM-OM3x Connector



VAR-SOM-OM35/37 Assembly option	VAR-SOM-AM35 Assembly option
4.6 DSS_DO ( RIJ3 OB ASSY> DSS_DO/CAN_TX	R117 OR <assy></assy>
4,6 DSS_D1 R114 OR <assy> DSS_D1/CAN_RX</assy>	R118 0R <assy> EXT2 4</assy>
4,6 EXT1 ( R115 OR <assy> DSS D0</assy>	***************************************
4,6 EXT2  R120 OR ASSY- DSS D1	P191 AP ARCV
4,6 DSS_D8 ( R120 OR <assy> DSS D8/GND</assy>	R121 QR <assy></assy>
4,6 DSS_D9 R123.0R <assy> GND/GPIO</assy>	R122 OB <assy></assy>
4 CAM_XCLKAXR125.0B <assy> CAM_XCLKA/GND</assy>	R126 0R <assy></assy>
4 MsSPI12_SIMO ( R127 OR <assy> MsSPI12_SIMO/GND</assy>	R129 0R <assy></assy>
4 MsSPI2_CLK CR128 OR <assy> MsSPI2_CLK/GND</assy>	R130 OR <assy></assy>
4 MsSPI2_SOMI R131 OR <assy> MsSPI2_SOM/GND</assy>	R132 OR <assy></assy>
VIO NO	
V_BATT O CASSY> PWRON/USBHOST2 DM	R134 QR <assy> USBHOST2_DM 4,</assy>
4 CAM_STROBE ( R136 OR <assy> CAM_STROBE/DSS_D9</assy>	R137 OR <assy>DSS D9</assy>
4 MsSPI2_CS0 CR138 OR CASSY> MsSPI2_CS0/DSS_D0	R139 OR <assy>DSS_D0</assy>
4 CAM_D112C R140 OR <assy> CAM_D11/DSS_D1</assy>	R141 QR <assy>DSS_D1</assy>
4 CAM_D10( R142 OR <assy> CAM_D10/DSS_D8</assy>	R143 QR <assy>DSS_D8</assy>
4 CAM_D8 << R144 OR <assy> CAM_D8/GND</assy>	R145 QR <assy></assy>
4 McBSP1_FSX< R146 OR <assy> McBSP1_FSX/GND</assy>	R147 OR <assy></assy>
4 McBSP1_CLKR( <a href="R148-08">R148-08</a> <a href="ASSY">ASSY&gt; McBSP1_CLKR/GND</a>	R149 OR <assy></assy>
4 CODEC_LINEIN_R R150_OR <assy> CODEC_LINEIN/NC</assy>	3 VCC_USB3 <
4 CAM_D9 RIST OR <assy> CAM_D9/NC</assy>	JUSBHOST2_DER135_OR <assy_regen td="" usbhost2_de<=""></assy_regen>

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Title 03	- VAR-SOM-OM3x Connector				
Size	Document Number	Project	Rev		
A3	VAR-OM35CustomBoard v2.21	VAR-OM3XCustomBoard	2.3		
Design		Approved By: <approved b<="" td=""><td>h~</td></approved>	h~		
	Thursday, August 18, 2011				

