

	Document Type: Technical data sheet [page 1 of 3]	Previous version & Author: v1 (13.07.2011) - Shiva
Product Code: GEA4LAN	Product Name: GEA4LAN	Current version & Author: v2 (26.07.2011) - Shiva

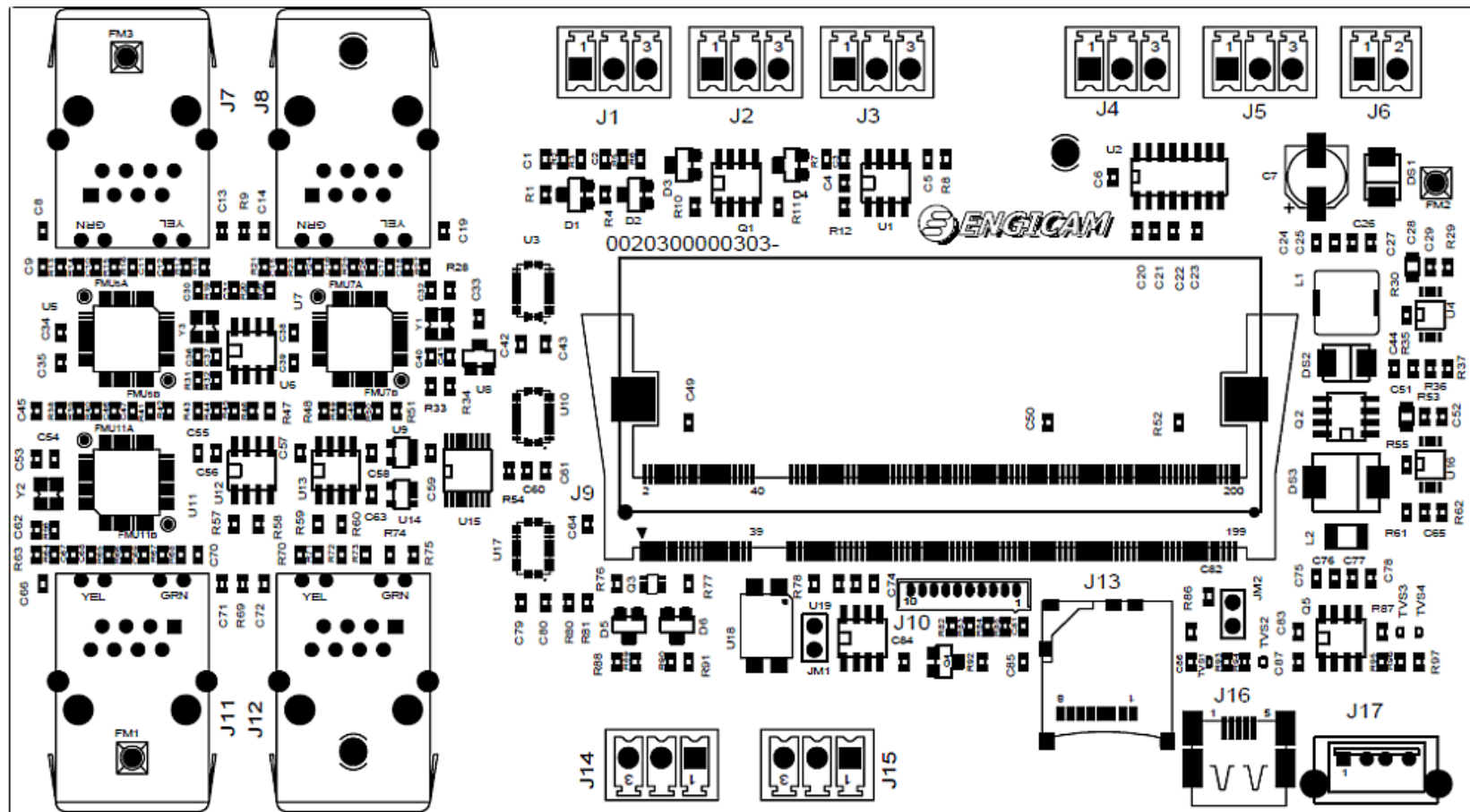


Figure 1: GEA4LAN

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Jumpers	
JM1	CAN Bus Terminator (120 Ohm)
JM2	Boot Mode (ATK NAND flash)

Analog Input [J1]	
Pin 1	ADC_1 (0 - 5.5 V)
Pin 2	ADC_2 (0 - 5.5 V)
Pin 3	GND

Digital Output [J2]	
Pin 1	EXTERNAL CIRCUIT (5 - 15 V)
Pin 2	CSI_D4 (OPEN DRAIN 1)
Pin 3	CSI_D5 (OPEN DRAIN 2)

RS485 BUS [J3]	
Pin 1	RS485 +
Pin 2	RS485 -
Pin 3	GND

RS232 [J4]	
Pin 1	TX
Pin 2	RX
Pin 3	GND

Linux Console [J5]	
Pin 1	TX
Pin 2	RX
Pin 3	GND

Power Supply [J6]	
Pin 1	+ VIN (7 - 15 V)
Pin 2	GND

LAN-1 [J12], LAN-2 [J8], LAN-3 [J11] and LAN-4 [J7] (RJ45)	
Pin 1	TX+
Pin 2	TXC
Pin 3	TX-
Pin 4	RX+
Pin 5	RXC
Pin 6	RX-
Pin 7	-
Pin 8	GND

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MicroSD [J13]	
Pin 1	DAT2
Pin 2	CD/DAT3
Pin 3	CMD
Pin 4	VDD (3.3 V)
Pin 5	CLK
Pin 6	VSS (GND)
Pin 7	DAT0
Pin 8	DAT1

Digital Input [J14]	
Pin 1	CSI_D2 [3.3 - 15 V (ZERO LOGIC) or 0 V (ONE LOGIC)]
Pin 2	CSI_D3 [3.3 - 15 V (ZERO LOGIC) or 0 V (ONE LOGIC)]
Pin 3	GND

CAN BUS [J15]	
Pin 1	CAN H
Pin 2	CAN L
Pin 3	GND

USB OTG [J16] (Mini-AB)	
Pin 1	VBUS
Pin 2	DM
Pin 3	DP
Pin 4	ID
Pin 5	GND

USB HOST [J17] (USB-A)	
Pin 1	VBUS
Pin 2	DM
Pin 3	DP
Pin 4	GND

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GEA4LAN