

**L4973D5.1**

In 8-55V DC  
Out: 5V1

**RTC DS1338Z-33**

In 3V3, CR1220  
Bus: I2C2

**LEDs**

- 5V1
- EMBEE Ready (EMBDIO8)
- GSM PwrOn (GSM\_ACT)
- LED0 (USR0)
- LED1 (USR1)\*
- EMBEE RX/TX\*

**RESET**

Reset config button  
(GPIO1\_15)

**BOOT**

Boot select button\* (holes)

**NAND eMMC**

4GB

**TPS65217C**

In 5V {5V1 or/and USB}  
Out: 1V8, 3V3a, SYS\_5V

**TL5209**

In SYS\_5V  
Out: 3V3b

**DDR3**

512MB or 1GB

**EEPROM**

24LC32A - 256Kx8

**mirco SD header**

MMC0

**USB2534 Hub**

In 5V1  
1 external type A  
1 for GSM  
2 internal headers

**EMBEE**

In 3V3  
Bus: UART1  
HW reset: GPIO0\_27  
Antenna, EMBEE Ready

**AM3358**

USB: type A, miniUSB OTG

Ethernet: 100 Mbit

I2C2, I2C0

SPI1 (internal header)

UART0 (RX/TX)

UART1 (RX/TX)

UART4 (RX / TX / RTS - LCD\_DATA13 / CTS - LCD\_DATA12)

UART5 (RX – LCD\_DATA8, TX – LCD\_DATA9)

AIN1 – connect to pwm EMBEE

AIN2, AIN3, AIN4, AIN5 – internal header

LED0: USR0

LED1: USR1

MMC0: (header 9pins)

eMMC:

other (internal header): TIMER4, TIMER5, GPIO1\_13, TIMER7, TIMER6, GPIO1\_12,  
GPIO0\_26, GPIO1\_14, GPIO2\_1

**LD1085 (For GSM )**

In 5V1  
Out: 4V2

**GSM HL8518**

In 4V2  
Bus: USB  
HW reset: GPIO1\_29  
Antenna, GSM PwrOn

**ICs**

**UC v1 (уснд)**

**beaglebone black schema**

undefined

**OSD3358-SM-RED**