Cheetah V2.0 Pin Out

B2 B1 A1 A2 **B2 B1 A1 A2** **B2 B1 A1 A2** **B2 B1 A1 A2** **B2 B1 A1 A2**

Cheetah V2.0

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USB-5V   DM   DP   GND

3V3 BOOT0 GND SWCLK SWDIO
DC5V 5V USB5V

RGB
5V   SIG   GND

PWR-PROBE
12V   V-PROBE   5V

24V
GND

EXP1
5V		GND
RST		DET (PC3)
SI (PA7)		EN2 (PC11)
CS (PA4)		EN1 (PC10)
SCK (PA5)		SO (PA6)

EXP2
5V		GND
D7 (PB7)		D6 (PB6)
D5 (PB14)		D4 (PB13)
RS (PB12)		EN (PB15)
ENC (PC12)		BEEP (PC9)

EXP4
| 5V | GND | RXD | TXD |
| 3.3V | GND | SCL | SDA |

EXP3
| GND | RS (PB12) | EN2 (PC11) | EN1 (PC10) | BEEP (PC9) |
| 5V | EN (PB15) | D4 (PB13) | D5 (PB14) | ENC (PB12) |

EXP1 EXP2 EXP4 EXP3

RGB

PROBE FIL-DET

PWR-PROBE

TE
PC4   GND

TB
PC5   GND

PROBE   FIL-DET
V-PROBE	3V3
PROBE(PA0)	FIL-DTE(PB5)
GND	GND

24V GND
PWE-IN   BED   END
24V GND   24V GND   24V GND

FAN0 FAN1 FAN2
5V 12V 24V 5V 12V 24V 5V 12V 24V

FAN0	FAN1	FAN2
VCC	VCC	VCC
PA14	PA13	PA1

DIAG-X X-MIN(PB4) DIAG-Y Y-MIN(PC8) DIAG-Z Y-MIN(PB1)

X-MIN	Y-MIN	Z-MIN
PB4	PC8	PB1
GND	GND	GND

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