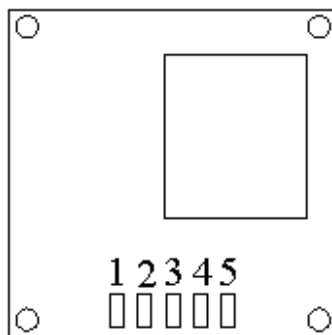


AarLogic GPS 3A

Pin assignment



Bottom view

TTL Version (standard)

Pin #	Name	Type	Description
1	VCC	P	Power input
2	RX	I	Data input (TTL level)
3	TX	O	Data output (TTL level)
4	GND	P	Ground
5	GND	P	Ground

USB Version

Pin #	Name	Type	Description
1	VBUS	P	USB power input
2	D-		D- line
3	D+		D+ line
4	GND	P	Ground
5	Shield	P	Ground

DC & Temperature characteristics

Parameter	Symbol	Product	Min.	Typ.	Max.	Units
Input voltage	VCC	USB version TTL version	4.75 3	5 3.3	5.25 4.2	V
Input current	I _{CC}	USB version TTL version		70 ⁽¹⁾ 62 ⁽²⁾		mA
High Level Input Voltage	V _{IH}	TTL version	0.7*V _{OUT} ⁽³⁾		3.6	V
Low Level Input Voltage	V _{IL}	TTL version	-0.3		0.3*V _{OUT} ⁽³⁾	V
High Level Input Current	I _{IH}	TTL version	-10		60	µA
Low Level Input Current	I _{IL}	TTL version	-10		60	µA
High Level Output Voltage	V _{OH}	TTL version	0.75*V _{OUT} ⁽³⁾			V
Low Level Output Voltage	V _{OL}	TTL version			0.25*V _{OUT} ⁽³⁾	V
High Level Output Current	I _{OH}	TTL version		2		mA
Low Level Output Current	I _{OL}	TTL version		2		mA

1. Measured when position fix is available and input voltage is 5V.
2. Measured when position fix is available and input voltage is 3.3V.
3. $2.79V \leq V_{OUT} \leq 2.91V$.

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Temperature	T _{opr}	-30	-	85	°C
Storage Temperature	T _{stg}	-40	25	85	°C

Mechanical specification

