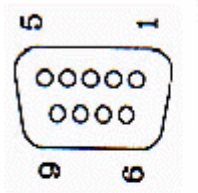


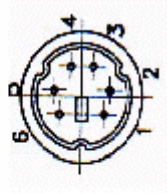
Mini GPS Locator

Model: GM-158

DB09 Female



DIN-6PIN



pin1=n/c	pin1=n/c
pin2=TXA	pin2=GND
pin3=RXA	pin3=n/c
pin4=n/c	pin4=n/c
pin5=GND	pin5=+5VDC
pin6=n/c	pin6=n/c
pin7=n/c	
pin8=n/c	
pin9=n/c	

DB-9 Pin assignment



DB-9 interface with RS-232 protocol



USB interface

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Specifications:

PHYSICAL CONSTRUCTION	
Dimension	L46.2mm*W38mm*H16.1mm
Weight	214 gram(with cable)
Enclosure	Highly impact; corrosion-proof
Mounting	Magnetic mount
Construction	Ultrasonic welded, fully waterproof
ENVIRONMENTAL CONDITIONS	
Temperature	Operating: -0 ~ +70 °C
	Storage: -20 ~ +85 °C
COMMUNICATION	
Protocol	NMEA V3.01
Signal level	EIA/TIA-232 or USB 1.1
INTERFACE CAPABILITY	

Output Sentences	Standard Sentences: GGA, RMC, GSV*5, VTG, GSA*5	
	Option: GLL, ZDA	
PERFORMANCE		
Sensitivity	-158dBm	
SBAS	1 channel (Support WAAS, EGNOS, MSAS)	
Receiver architecture	32 parallel channels	
Start-up time	3 sec. typical (hot start)	
	35 sec. typical (warm start)	
	41 sec. typical (cold start)	
Position accuracy	Without aid	3.3 m CEP
	With SBAS	2.6 m
Velocity	0.1 Knot RMS steady state	
Update Rate	1 Hz(Standard);5Hz optional	
Power Supply	RS-232 @ 3~5V	
	USB @ 5V	
Current Consumption	Acquisition	60mA (RS-232) (USB)
	Tracking	50mA (RS-232) (USB) (first 5 minutes)
		42mA (RS-232) (USB) (after 5 minutes)
		36mA (RS-232) (USB) (after 20 minutes)
Baud Rate	4800 bps (default)	
	Optional:9600/19200/38400/115200 bps are adjustable	

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Application Diagram:

