- **Pentaband 4G LTE**
- **Triband 3G UMTS/HSPA**
- **Dualband 2G GSM/GPRS/EDGE**
- **SMS**
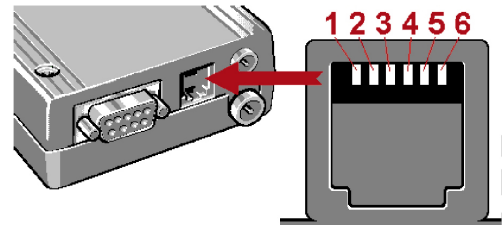- **USB 2.0 high speed interface**
- **GPS**

PLS8-E delivers advanced LTE connectivity offering a smart solution for high speed M2M cellular connectivity now and in the future.

PLS8-E provides true worldwide coverage and reliability even while roaming across different wireless networks. Two antenna pads enable diversity support for improved data speeds.

Air Interface	LTE/UMTS/HSPA/GSM/EDGE
LTE bands	800, 900, 1800, 2100, 2600 MHz
LTE	Cat. 3
LTE data rate	DL: max. 100 Mbps UL: max. 50 Mbps
UMTS bands	900, 1800, 2100 MHz
UMTS	DL Cat.24 / UL Cat. 6
UMTS data rate	DL: max. 42 Mbps UL: max. 5.76 Mbps
GSM/GPRS/EDGE bands	900, 1800 MHz
EDGE	class 12
EDGE data rate	max. 237 kbps (DL & UL)
Power	
Supply Voltage	8 ... 60 V
Electrical connection	6-pole Western jack (use accessory cable)
Interfaces	
USB	USB 2.0 high speed, type B
Control	AT commands
Card reader	Mini SIM
Antennas	
LTE/UMTS antenna interface	SMA
GPS antenna	SMA
Impedance	50 Ω
General	
Operational temperature	-30 °C ... +64°C
Dimensions and weight	65 x 74 x 33 mm / 101 g
Accessories	
Omnidirectional antenna LTE USB cable Supply cable Adapter plug FME/SMA GPS antenna	Article No. M72240 Article No. M01210 Article No. M71041 Article No. M71020 Article No. M72400

PIN assignment of power supply jack

Signal	Plug Pin No.	Ammonit Cable Wire Colour
Power Supply	1	white, green → +V
Ignition	4	
Supply Ground	6	blue
	2, 3, 5	Not connected

Please note: Ammonit offers directional and Yagi antennas as accessories.

LED status information

LED signal	Description
Permanent yellow light	Modem is powered. No USB connection available.
Permanent white light	Modem is powered. USB connection established between modem and PC / data logger (with or without SIM card / with or without PIN entry). White LED light indicates a successfully established data connection. The LED is not an indicator of proper communication behaviour of the modem.
Blinking (50/50) green/white light	Modem is powered. USB connecton is established.
Blinking green light short, white light long	Modem is powered. Call is established.