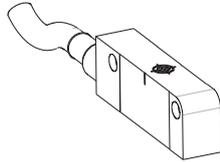


# TRIGGER & INTERFACE BOARD

## TIB F 01

*...the right link*



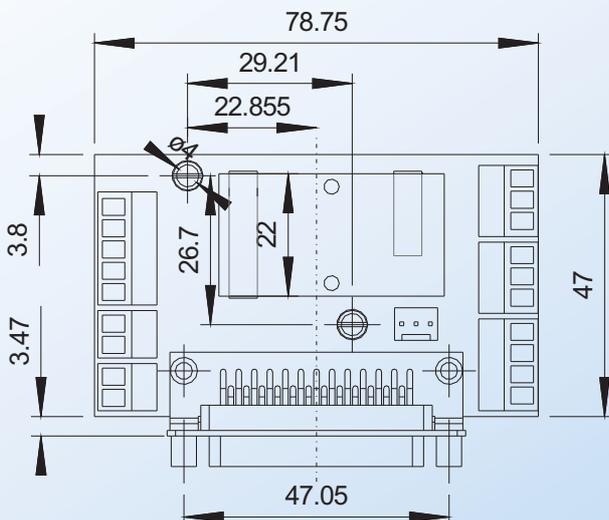
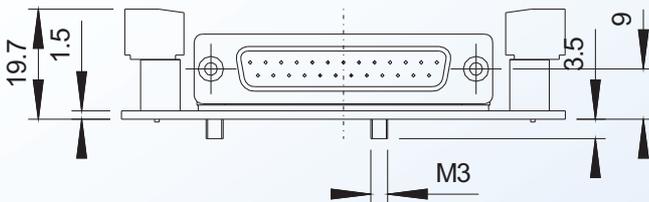
Travel Sensor



Force Cell



Position Sensor



In the ultrasonic welding, the ultrasound is triggered in dependence of the applied force to the parts to be welded. The force is measured by a load cell and then converted into a signal, which can be read by the PLC (in our case, 4-20 mA).

Travel distance and sensor signals may be collected on the board. All inputs have their own connector with an own 24 V DC supply. Communication to a PLC is realized by a 25 pin SUB-D connector.

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