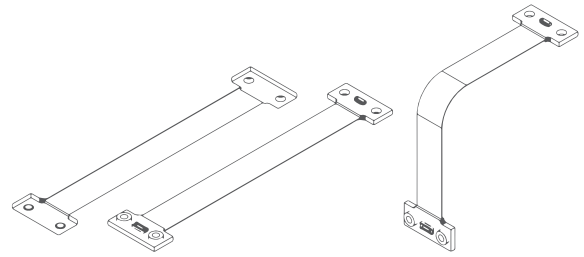# AMS-90-FLEX

Flexible stack extender for the AMS modules and accessories

FEATURES

- Compatible with the AMS modules series (p. 86) and accessories
- Flexible connection between the module and other PCBs
- 5 mm minimal bending radius

APPLICATIONS

- Embedded systems
- Rapid prototyping

GENERAL DESCRIPTION

The AMS-90-FLEX is a 90 mm semi-flex board for the AMS modules and accessories. It is designed to be an easy tool for rapid prototyping, proof-of-concept work, and final devices.

CONNECTIVITY

Two connectors are available. They are interconnected in a way that allows transparent work without modification of any signals. The AMS-90-FLEX board can be used between any two analog boards of the AMS family. A generic electrical diagram is presented in FIGURE 1.
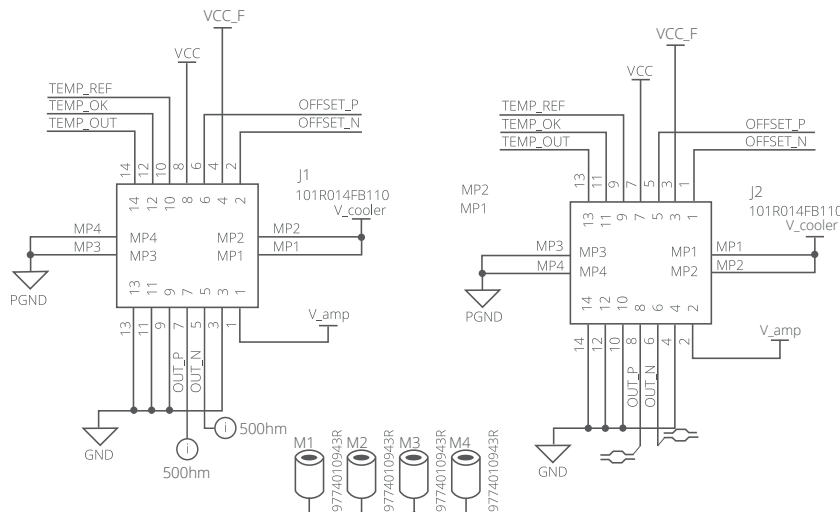
ELECTRICAL DIAGRAM

FIGURE 1. Schematic diagram of the AMS-90-FLEX

MECHANICAL REQUIREMENTS

The connectors are very sensitive to mechanical stress. The boards have to be fixed to each other with screws and nuts.
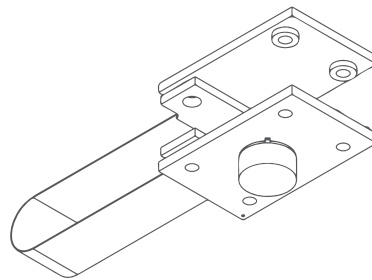
EXAMPLE APPLICATION

Figure 2 Example application of the AMS-90-FLEX between the AMS3140 module and the AMS-x10-AMP or AMS-x10-ACAMP external amplifier
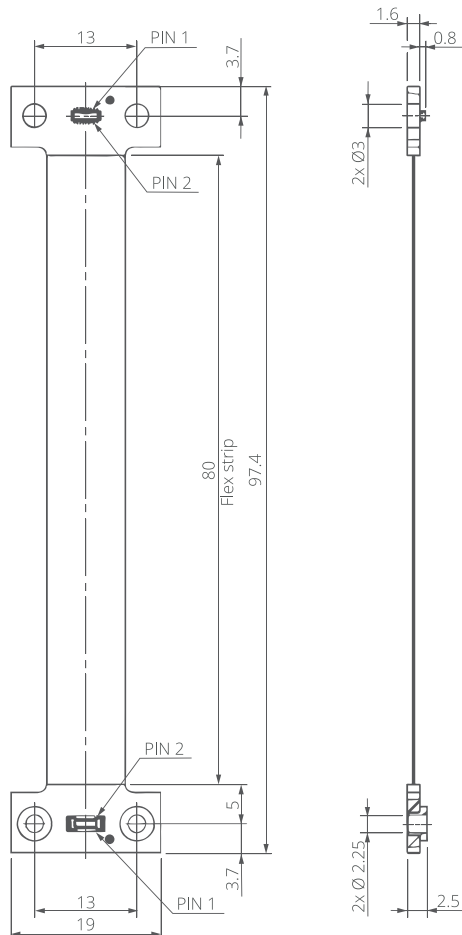
MECHANICAL LAYOUT

FIGURE 3. Dimensions of the AMS-90-FLEX (given in mm)