



MXP EXTENSION CABLE

USER'S MANUAL

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1 EXTENSION CABLE OVERVIEW

The REV Robotics MXP Extension Cable is designed to extend the reach of the myRIO Expansion Port (MXP) on the roboRIO. This 18" cable makes it possible to mount expansion boards wherever they are needed.

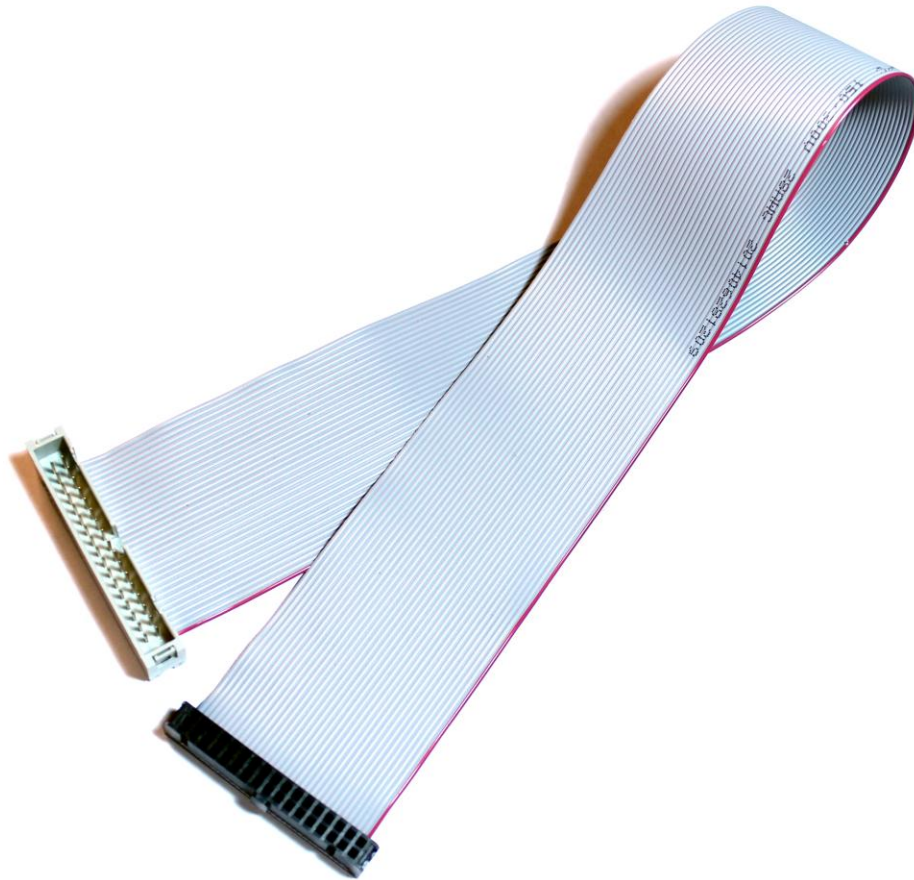


Figure 1-1 MXP Extension Cable

1.1 FEATURES

The REV Robotics MXP Extension Cable includes the following features:

- Keyed male and female 34-pin connectors
- 28 AWG ribbon cable
 - 34 conductor
 - 18" length

2 USING THE EXTENSION CABLE

Using the MXP Extension Cable is straight-forward and easy. Connect the male end of the cable to the roboRIO MXP and the female end to an expansion board. Figure 2-1 shows the REV Robotics Proto Board (REV-11-1103) connected to the roboRIO through the MXP Extension Cable.

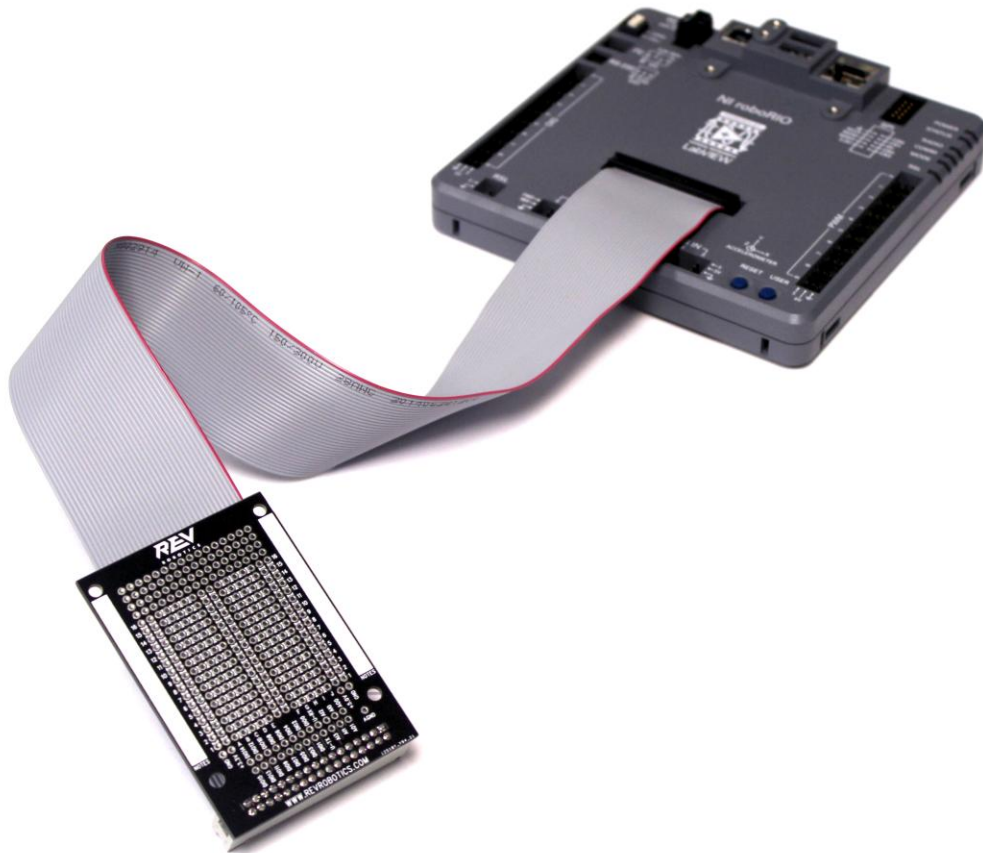


Figure 2-1 Proto Board connected with MXP Extension Cable

2.1 CABLE POLARITY

Each connector on the MXP Extension Cable is keyed to ensure correct polarity between the roboRIO and the expansion board. However, when using a custom expansion board or other means to connect to the cable, care must be taken to ensure the proper polarity. Figure 2-2 shows in detail the polarity identifying features of the cable.

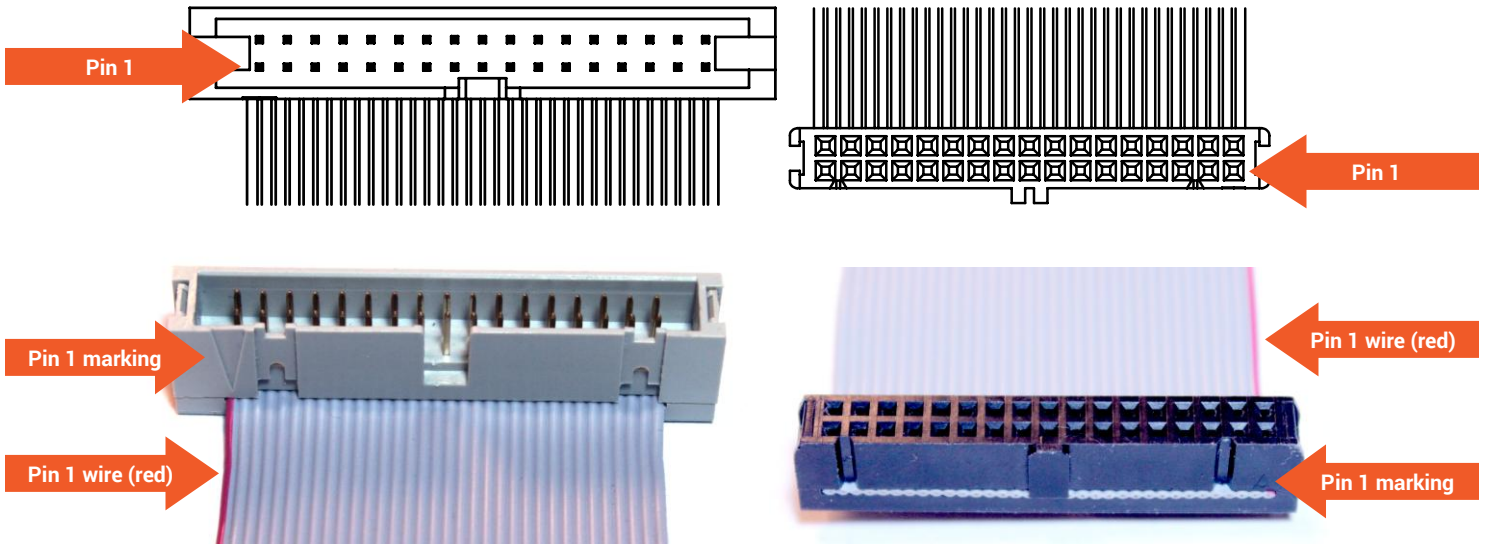


Figure 2-2 Cable Polarity

APPENDIX A DIMENSIONS

Appendix A shows a dimensional drawing of the MXP Extension Cable. All dimensions are in millimeters.

