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Subject: **Simple 25-Pin Mating Options for I/O Connectors**  
Applies to: Si2035, STAC6 drives, ST-Q and ST-Si drives, and BLu servo drives  
Date: November 27, 2007

## Description

A quick and simple solution is available to “breadboard” your I/O connections on a drive that utilizes 25-pin D connectors. This connector is also suitable for your final assembly if you are not mass producing cabling harnesses. The drives listed above are shipped with solder cup connectors but some users may prefer screw terminals. [Phoenix Contact](#) makes a compact module that integrates screw terminations into the D connectors.

Phoenix Contact part # [2761622](#) is the male version, which connects to the 25 pin IN/OUT connectors of ST-Q, ST-Si, BLuDC4, and BLuDC9 drives, as well as the IN/OUT1 connectors of STAC6 and BLuAC5 drives.

Phoenix Contact part # [2761619](#) is the female version, which connects to the 25 pin IN/OUT connectors of Si2035 drives, as well as the IN/OUT2 connectors of STAC6 and BLuAC5 drives.

These connectors are available from Phoenix Contact distributors such as [Mouser Electronics](#).



Image of 9-pin version taken from [www.phoenixcontact.com](http://www.phoenixcontact.com)

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## 25-pin Extension Cables

Another simple solution is to use a standard 25-pin printer cable to quickly incorporate lead wires into your mating connections. These cables offer both a male mating connector on one end and a female mating connector on the other. By cutting the cable somewhere between the two ends you can create one or two 25-pin mating connectors with extension cables that end in flying leads. [Black Box](#) offers these cables in a variety of lengths, and the wire colors of the cables can be found on their [web site](#).



*Image taken from [www.blackbox.com](http://www.blackbox.com)*