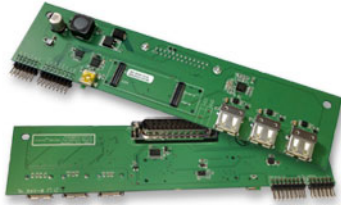




## TurtleCore Product datasheet

PKG30023

USD89.00



### Product Features

Inter-board connector	
<b>Board-To-Board Connector</b>	2 x 70-pin AVX connectors
Robotics	
<b>Connect to iRobot Create®</b>	via the DB-25 connector; the iRobot Create® "cargo bay connector".
Mechanical	
<b>Length</b>	194.0 mm
<b>Width</b>	45.0 mm
Misc	
<b>Power</b>	Powered by iRobot Create®
Product series	
<b>Product Family</b>	Overo
Communications	
<b>USB Console Port</b>	Included
Usb	
<b>USB Device</b>	Included
<b>USB Host</b>	Included

The TurtleCore™ expansion board sits in the cargo bay of the original (Version 1) iRobot Create® Programmable Robot, drawing power over the DB25 connector to power an Overo® COM or Overo STORM series of COMs. Using the COM on the TurtleCore means Linux tools are available, including ROS, for high level programming.

There are 3 USB ports and several male-header pins available with GPIO access, as well as standoffs and screws to support the TurtleCore in the Create cargo bay.

For more information on getting started with the TurtleCore Expansion Board, visit the Gumstix Developer Center.

#### Mating connector

2 × 70-Pin AVX Connectors (Female Overo Expansion)

#### What's included

1 × TurtleCore Expansion Board

#### Key component

1 × DB25 Connector

1 × Texas Instruments TPS62111 Step-Down Converter

1 × FTDI FT232RQ USB UART Interface

#### Product links

- [Schematics and Board Layout](#)
- [2015-02-25/overo/master/MLO](#)
- [2015-02-25/overo/master/u-boot.img](#)
- [2015-02-25/overo/master/README](#)
- [2015-02-25/overo/master/gumstix-xfce-image-overo.tar.bz2](#)
- [2015-02-25/overo/master/gumstix-console-image-overo.ubi](#)
- [2015-02-25/overo/master/gumstix-xfce-image-overo.ubi](#)
- [Geppetto® Workspace](#)

