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Product Change Notification

Product Part Number	ES-U-1101-M	
Description of Change	New USB-UART chipset and associated PCB changes.	Revision B will begin shipping once current inventory is depleted
Reason for Change	Updated to use new version of the USB-Serial Interface chip.	
Detailed Description	The following changes have been made: • The USB-UART chip FT232BL is replaced with FT231XQ. The updated version supports a 512 byte receive buffer and 512 byte transmit buffer utilizing buffer smoothing technology to allow for high data throughput. • The schematic and layout of the internal PCB is accordingly changed for the FT231XQ.	
Impact to Data sheet	The ES-U-1101-M section of the datasheet is unchanged as the function of the updated version remains the same as the original. The datasheet has been updated to include the considerations detailed in the Others section of this PCN. https://www.connectiveperipherals.com/es-u-1101-m.html	
Benefit of Change	Updated USB-UART chipset.	
Markings to distinguish revised from:	There are no external changes to the enclosure. The updated version can be identified by the part number: The ES-U-1101-M is replaced by the ES-U-1101-MB	
Sample Availability	Q2 2018	
Risk Assessment, Fit Form and Function & reliability	Not applicable	
PDF Download	https://www.connectiveperipherals.com/product-discontinuance-notices	

Others:

USB Virtual COM Port Driver Requirements

Windows - The updated model has the same compatibility from Windows 7 up to Windows 10 as the original model.

- For Windows 7 up to Windows 10, use the latest FTDI drivers for both models. These are available on Windows Update or from the *Currently Supported Drivers* table at FTDI VCP Drivers

- Additionally, for legacy Windows XP/Vista, use driver 2.08.24 for both models. This is available from the *No Longer Supported* drivers table at FTDI VCP Drivers

Linux – Many distributions include a sio driver for FTDI chipsets.

- For distributions containing the ftdi_sio and using Kernel 3.0.27 onwards, both models are supported by the sio driver.

- For legacy distributions which include ftdi_sio but have a Kernel older than 3.0.27, only the original model is supported by the OS by default as this pre-dates the FT231X.
  However, an udev rule is provided on the Downloads tab of the product page (see Connective Peripherals website) which adds the Product ID of the FT231X (0x6015) to the sio driver. This allows the updated version of the product to work on some legacy Linux versions.

Mac OS X – OS X versions from Mavericks onwards include an Apple-provided driver for FTDI chipsets.

- For OS X Sierra and OS X High Sierra, the driver included with the OS supports both models

- Some older OS X versions post-Mavericks include an FTDI driver supporting the FT232B and FT232R but not supporting the FT231X chipset. In these cases the FTDI-provided VCP driver can be used with the updated product. These are available from the *Currently Supported Drivers* table at FTDI VCP Drivers and can be installed using the procedure explained in the Mac OS X Installation guide