



DM320003-2 MICROCHIP - PIC32 USB Starter Kit II

Overview:

The PIC32 USB Starter Kit II provides the easiest and lowest cost method to experience the USB and CAN functionality of the PIC32 microcontrollers. Users can develop CAN applications using PIC32 expansion boards. The board contains everything need to develop USB embedded host/device/OTG applications by combining this board with Microchip's free USB software (On-The-Go support provided in a future software release).

The USB Starter Kit II has the same form factor and expansion connector as other PIC32 Starter Kits.



Kit Content:

- PIC32 USB Starter Kit II development board
- USB Mini-B to full-sized A cable – USB debug cable to debug and power the board
- USB Micro-B to full-sized A cable – PIC32 USB cable to communicate with the PIC32 USB port

Key Features:

- PIC32MX795F512L 32-bit microcontroller.
- Green power-indicator LED.
- On-board crystal for precision microcontroller clocking (8 MHz).
- USB connectivity for on-board debugger communications.
- Orange debug indicator LED.
- Three push button switches for user-defined inputs.
- Three user-defined indicator LEDs.
- USB Type A receptacle connectivity for PIC32 Host-based applications.
- HOST mode power jumper.

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
DM320003-2	Microchip	1778060	51R8563

Associated Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
PIC32MX795F512L-80I/PF	Microchip	MCU, 32BIT, 512K FLASH, USB, 100TQFP	PIC32MX795F512L	1778491	53R0338
TC1262-2.5VDB	Microchip	Voltage Regulator	TC1262	NA	69K0481
MCP1253-33X50I/MS	Microchip	DC/DC Charge Pump Converter IC	MCP1253	1332067	03H5060

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
DM320001	Microchip	PIC32MX STARTER KIT	PIC32	1523317	71M0037
DM320002	Microchip	PIC32 I/O Expansion Board	PIC32	1621784	03P1607
DM320003	Microchip	BOARD, DEMO, USB OTG, PIC32	PIC32	1621787	03P1608
DM320004	Microchip	KIT, STARTER, ENET, PIC32	PIC32	1778059	51R8564
DM330011	Microchip	KIT, STARTER, MPLAB FOR DSPIC	PIC32	1621788	NA
MA320002	Microchip	KIT, PIC32 USB PLUG IN MODULE	PIC32	1558601	88M9291
PIC-P32MX	Olimex	KIT, DEV, PIC32MX340F512 BOARD	PIC32	1701531	25R4926
MA320001	Microchip	PIC32MX360F512L PLUG-IN MODULE	PIC32	1523316	73M8723
AC320002	Microchip	Development Tools & Eval/Demo Boards	PIC32	1621785	07P8858

Document List:

Datasheets:

Part Number	Description	Size
PIC32MX795F512L	Datasheet	2.08MB
TC1262	TC1262 Datasheet	463KB
MCP1253	MCP1252/53 Datasheet	440KB

Application Notes:

File Name	Size
AN1108 - Microchip TCP/IP Stack with BSD Socket API for PIC32MX	430KB
AN1109 - SNMP Agent using BSD Socket API for PIC32MX	682KB
AN1111 - FTP Server using BSD Socket API for the PIC32MX	417KB
AN1140 - USB Embedded Host Stack	467KB
AN1141 - USB Embedded Host Stack Programmer's Guide	543KB
AN1142 - USB Mass Storage Class on an Embedded Host	360KB
AN1143 - Generic Client Driver for a USB Embedded Host	263KB
AN833 - Microchip TCP/IP Stack Application Note	430KB

Hardware & Software:

File Name	Size
PIC32 Ethernet Starter Kit Schematics & Gerbers	425 KB
PIC32 TCP/IP BSD Stack Installer	4862 KB
Help File for 128/196/256 bit AES Software for PIC32	117 KB