

PowerQuicc™ II COMMUNICATION PROCESSORS (CONT.)

Mfg. Part No.	Case Style	No. of Pins	CPU Speed	Supply Voltage	Stock No.	Price Each
● XPC8255VIFBC	TBGA	480Pins	133MHz	2.4 V to 2.7 V	62K5709	---
● MPC8245LZU266D	TBGA	352Pins	266MHz	1.7 V to 2.1 V	83H1809	---
● MPC8245LV266D	TBGA	352Pins	266MHz	1.7 V to 2.1 V	67H3806	---
● MPC8260ACZUMHBB	TBGA	480Pins	266MHz	1.9 V to 2.2 V	93C3285	---
● MPC8260ACVVMHBB	TBGA	480Pins	266MHz	1.9 V to 2.2 V	62K5386	---
● MPC8247CVRMIBA	BGA	516Pins	266MHz	1.425 V to 1.575 V	53J3344	45.35
● MPC8270CVRMIBA	BGA	516Pins	266MHz	1.45 V to 1.6 V	11J9584	---
● MPC8270VRMIBA	BGA	516Pins	266MHz	1.45 V to 1.6 V	73J1285	75.89
● MPC8260ACUPJDB	TBGA	480Pins	300MHz	1.9 V to 2.2 V	93C3289	---
● MPC8247CVRTEIA	BGA	516Pins	400MHz	1.425 V to 1.575 V	53J3346	---
● MPC8247VTEIA	BGA	516Pins	400MHz	1.425 V to 1.575 V	11J9574	---
● MPC8248CVRTEIA	BGA	516Pins	400MHz	1.425 V to 1.575 V	53J3352	63.65
● MPC8270CVVUPEA	TBGA	480Pins	450MHz	1.45 V to 1.6 V	40K7698	---
● MPC8270CZUPEA	TBGA	480Pins	450MHz	1.45 V to 1.6 V	62K5396	132.09
● MPC8270VVUPEA	TBGA	480Pins	450MHz	1.45 V to 1.6 V	40K7700	136.84
● MPC8270ZUPEA	TBGA	480Pins	450MHz	1.45 V to 1.6 V	62K5398	---
● MPC8280CVVUPEA	TBGA	480Pins	450MHz	1.45 V to 1.6 V	40K7702	---
● MPC8280VVUPEA	TBGA	480Pins	450MHz	1.45 V to 1.6 V	40K7704	219.34
● MPC8280ZUPEA	TBGA	480Pins	450MHz	1.45 V to 1.6 V	62K5406	---

PIM_136919

M683XX SERIES 32-BIT MICROCONTROLLERS

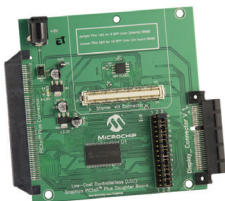


M683xx family highly-integrated 32-bit microcontrollers combine high-performance data manipulation capabilities with powerful peripheral subsystems. This MCU is built up from standard modules that interface through a common intermodule bus (IMB). This family offers SIM product integration and a 5.0V operating voltage.

Mfg. Part No.	Case Style	No. of Pins	CPU Speed	Supply Voltage	Stock No.	Price Each
● MC68LC302AF16CT	LQFP	100Pins	16MHz	3 V to 3.6 V	40K7351	31.09
● MC68332ACEH16	...	132Pins	16MHz	4.75 V to 5.25 V	11J9418	37.31
● MC68331CEH16	...	132Pins	16MHz	4.5 V to 5.5 V	11J9410	26.46
● MC68332AMEH16	...	132Pins	16MHz	4.75 V to 5.25 V	11J9422	---
● MC68332GCEH16	...	132Pins	16MHz	4.75 V to 5.25 V	11J9431	---
● MC68332GMEH16	...	132Pins	16MHz	4.75 V to 5.25 V	11J9434	---
● MC68LK332ACEH16	...	132Pins	16MHz	3.6 V	11J9391	30.87
● MC68331CAG16	...	144Pins	16MHz	4.5 V to 5.5 V	11J9407	---
● MC68332CAG16	...	144Pins	16MHz	4.75 V to 5.25 V	11J9415	---
● MC68LK332ACAG16	...	144Pins	16MHz	3 V to 3.6 V	11J9390	---
● MC68LK332GCAG16	...	144Pins	16MHz	3 V to 3.6 V	11J9392	---
● MC68340AB16E	QFP	144Pins	16MHz	3 V to 3.6 V	11J9451	32.19
● MC68340AG16E	LQFP	144Pins	16MHz	3 V to 3.6 V	11J9453	---
● MC68340AG16VE	LQFP	144Pins	16MHz	3 V to 3.6 V	11J9455	---
● MC68340CAB16E	QFP	144Pins	16MHz	3 V to 3.6 V	11J9457	---
● MC68LC302AF20CT	LQFP	100Pins	20MHz	3 V to 3.6 V	40K7353	37.24
● MC68331CEH20	...	132Pins	20MHz	4.5 V to 5.5 V	11J9411	---
● MC68331CAG20	...	144Pins	20MHz	4.5 V to 5.5 V	11J9408	---
● MC68332CAG20	...	144Pins	20MHz	4.75 V to 5.25 V	11J9416	---
● MC68332GCAG20	...	144Pins	20MHz	4.75 V to 5.25 V	11J9429	---
● MC68331CEH25	...	132Pins	25MHz	4.5 V to 5.5 V	11J9412	---
● MC68332ACEH25	...	132Pins	25MHz	4.75 V to 5.25 V	11J9420	---
● MC68332GCEH25	...	132Pins	25MHz	4.75 V to 5.25 V	11J9433	30.87
● MC68332GVEH25	...	132Pins	25MHz	4.75 V to 5.25 V	11J9439	---
● MC68332GCAG25	...	144Pins	25MHz	4.75 V to 5.25 V	11J9430	---
● MC68331CAG25	...	144Pins	25MHz	4.5 V to 5.5 V	11J9409	---
● MC68340AG25E	LQFP	144Pins	25MHz	3 V to 3.6 V	11J9456	---
● MC68340CAB25E	QFP	144Pins	25MHz	3 V to 3.6 V	11J9458	---

PIM_19435

LOW COST CONTROLLER GRAPHICS PICTAIL PLUS DAUGHTER CARD



▶ CONTINUED ▶

LOW COST CONTROLLER GRAPHICS PICTAIL PLUS DAUGHTER CARD

(CONT.)

Features

- Can drive QVGA 8bpp with PIC32 alone
 - Can drive WQVGA 16bpp with external 256KB SRAM Frame buffer
 - Display connector for interfacing with different display boards
 - PICtail Plus Interface for connecting to Explorer 16 Development Board
 - Starter Kit Connector
- The Low-Cost Controllerless (LCC) Graphics Pictail Plus Daughter Board enables development of graphics solutions without an external graphics controller, thus reducing system BOM cost for many applications. The board is designed to attach to a PIC32 starter kit (DM320001, DM320003-2, DM320004) or an Explorer16 development board (DM240001) and one of Microchip LCD Modules including the Truly 3.2" QVGA board and the 4.3" WQVGA Powertip display panel.

Mfg. Part No.	Stock No.	Price Each
AC164144	55T1443	---

PIM_196694

PIC32 I/O EXPANSION BOARD



The **PIC32 I/O Expansion Board** provides Starter Kit and Starter Board users with full access to MCU signals, additional debug headers, and connection of PICtail Plus daughter cards. MCU signals are available for attaching prototype circuits or monitoring signals with logic probes. Headers are provided for connecting JTAG tools or Microchip tools using the 2-wire (ICSP) interface.

Mfg. Part No.	Stock No.	Price Each
DM320002	03P1607	1+
		63.53

PIM_136200

STM32F4 HIGH-PERFORMANCE DISCOVERY BOARD



Features

- STM32F407VGT6 MCU Featuring 32 Bit ARM Cortex-M4F Core
- On-board ST-LINK/V2 with selection mode switch to use as a standalone ST-LINK/V2
- USB ST-LINK with re-enumeration capability and three different interfaces
- Board power supply: through USB bus or from an external 5 V supply voltage
- LIS302DL or LIS3DSH ST MEMS 3-axis accelerometer
- MP45DT02 ST-MEMS audio sensor omni-directional digital microphone
- CS43L22 audio DAC with integrated class D speaker driver
- Eight LEDs
- Two push-buttons (user and reset)
- USB OTG FS with micro-AB connector
- Extension header for all LQFP100 I/Os
- Comprehensive free software including a variety of examples

STM32F4DISCOVERY helps you to discover the STM32F4 high-performance features and to develop your applications easily. It includes everything required for beginners and experienced users to get started quickly.

Mfg. Part No.	Description	Stock No.	Price Each
YesSTM32F4DIS-BB	Base Board for the STM32F4 Discovery	47W1731	---
YesSTM32F4DIS-CAM	Camera board for the STM32F4 Discovery	47W1732	35.79
YesSTM32F4DIS-LCD	3" LCD board for the STM32F4 Discovery	47W1734	64.19
YesSTM32F4DIS-WIFI	WiFi board for the STM32F4 Discovery	87W8233	30.60

PIM_200546

BEAGLEBONE CAPES



Authorized Distributor

BeagleBone Capes are add on boards that can be connected to the BeagleBone to add functionality. BeagleBone is a bare-bones BeagleBoard that acts as a USB or Ethernet connected expansion companion for your current BeagleBoard and BeagleBoard-xM or works stand-alone. The BeagleBone brings full-featured Linux to places it has never gone before.

Mfg. Part No.	Description	Stock No.	Price Each
● BB-BONE-WTHR-01	Weather Cape	26W8122	---
● BB-BONE-BATT-01	Battery Cape	27W5797	---
● BB-BONE-MOTOR-01	Motor Cape with NXT Connectors	63W3551	---

PIM_207669

PROCESSOR PLUG-IN MODULES



Processor Plug-In Modules are small circuit boards to be used with the various Microchip Development Boards to evaluate PIC and dsPIC devices. These plug into the main processor socket of the development Boards so that different microcontrollers can be used for prototyping, demonstration or development quickly and easily. Microchip development tools such as the MPLAB® REAL ICE™ and MPLAB ICD 2 connect directly to these development boards and provide quick, full-featured hardware/software/firmware development environment using the free MPLAB Integrated Development Environment software.

▶ CONTINUED ▶