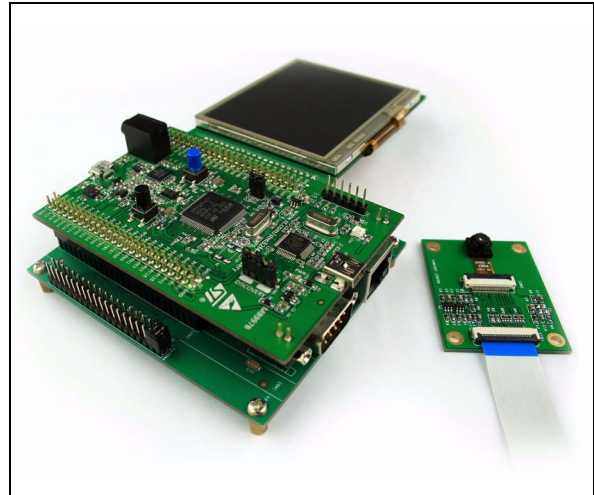


STM32F4 Discovery kit expansion boards

Data brief

Features

- Base board
 - Micro SD Card TM slot
 - 10/100 Ethernet with IEEE 1588v2 (RJ45 connector)
 - Connector for camera board
 - Connector for LCD board
 - Connector with UART, I2C, SPI, CAN, PWM and GPIOs
- 3"5 LCD board
 - Driving IC: SSD2119
 - Display format: 320 * 240
 - Color: 262K colors
 - Backlight: PWM control
 - Interface: 16-bit 8080 parallel system interface
 - Touch screen: 4-wire resistive touch screen
- Camera board
 - Signal system: CMOS 1.3 Megapixel
 - Resolution: Up to 1280 * 1024
 - Supports still photos
 - Frame rate: 15 fps for SXGA, 30 fps for VGA and CIF.



Description

This set of 3 boards expands the functionality of the STM32F4 Discovery kit.

A base board, connected to the STM32 F4 Discovery provides Ethernet connectivity, a micro SD Card TM slot and extension connectors for the 2 other boards, and provides easy access to features such as UART, SPI, CAN and so on.

A digital camera board featuring a 1.3 Megapixel CMOS sensor, and a 3"5 LCD board with touch screen capability connect to the base board to form a complete system.

For more information, visit
www.element14.com/stm32f4-expansion

Ordering information

Table 1. Order codes

Order code	Reference
STM32F4DIS-BB	Base Board for the STM32F4 Discovery
STM32F4DIS-CAM	Camera board for the STM32F4 Discovery
STM32F4DIS-LCD	3"5 LCD board for the STM32F4 Discovery

For more information, documentation and downloads, refer to STMicroelectronics microcontroller support site, www.st.com.

Revision history

Table 2. Document revision history

Date	Revision	Changes
14-Dec-2012	1	Initial release.

Please Read Carefully:

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST's terms and conditions of sale.

Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

UNLESS OTHERWISE SET FORTH IN ST'S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND/OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

UNLESS EXPRESSLY APPROVED IN WRITING BY TWO AUTHORIZED ST REPRESENTATIVES, ST PRODUCTS ARE NOT RECOMMENDED, AUTHORIZED OR WARRANTED FOR USE IN MILITARY, AIR CRAFT, SPACE, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS, NOR IN PRODUCTS OR SYSTEMS WHERE FAILURE OR MALFUNCTION MAY RESULT IN PERSONAL INJURY, DEATH, OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. ST PRODUCTS WHICH ARE NOT SPECIFIED AS "AUTOMOTIVE GRADE" MAY ONLY BE USED IN AUTOMOTIVE APPLICATIONS AT USER'S OWN RISK.

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

ST and the ST logo are trademarks or registered trademarks of ST in various countries.

Information in this document supersedes and replaces all information previously supplied.

The ST logo is a registered trademark of STMicroelectronics. All other names are the property of their respective owners.

© 2012 STMicroelectronics - All rights reserved

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

www.st.com

