Embest - LM3S8962-EB - EKK8962 Arm Evaluation Board

Product Overview:

EKK8962 arm evaluation board produced by Embest is a Stellaris LM3S8962 (ARM®Cortex -M3 core) microcontroller based simple and general purpose evaluation platform. This platform features various hardware resources: 10/100 MB Ethernet interface, CAN, 128×96 OLED LCD, speaker, MicroSD card socket, USB, standard 20-pin JTAG interface. The outstanding feature of this board is that the board integrates debugger, you just need an USB cable, then you can easily implement debug and download flash with the MDK software in your host pc.

Key Features:

- LM3S8962, ARM® Cortex™-M3 32bit RISC Processor, 50MHz
- 256KB flash memory, 64KB SRAM
- 100/10MB Ethernet interface
- Via a standard USB connector
- OLED graphics display with 128 x 96 pixel resolution
- USB host interface & connector
- One CAN interfaces & connectors
- SD card memory interface
- Standard ARM® 20-pin JTAG debug interface
- User LED
- Navigation switches
- Select pushbuttons
- Magnetic speaker
- Standalone CAN device board using Stellaris LM3S2110 microcontroller
- 4.55"x2.45"x0.7" (L x W x H)

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
LM3S8962-EB	Embest	NA	64R5922

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
LM3S8962-IQC50-A2	TI	32Bit ARM Cortex	1736183	45P3725
EMLINK-AH	Embest	Emlink for ARM		63R5721
SW_LICA	Embest	Emlink for ARM License	1788113	63R5737
SPC19944	SPC Technology	Shielded Serial Cable Assembly	1702771	83K3689
SPC15457	SPC Technology	Standard 9 Pin D-Subminiature Connector	1653954	79K5032
SPC21961	SPC Technology	Category 5e Cable Assembly	1363809	21M5875
555052-1	Tyco Electronics	RJ45 JACK	1557068	66F3284
897-43-004-90-000000	Mill Max	USB Connector	1621546	84K7068

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
EKC-LM3S8962	TI	LM3S8962 Ethernet+CAN Eval Kit w/ CodeSourcery G++ GNU	LM3S8962	1712245	45P3401
EKI-LM3S8962	TI	LM3S8962 Ethernet+CAN Eval Kit w/ IAR Systems Embedded Workbench	LM3S8962	1712249	45P3407
EKK-LM3S8962	TI	LM3S8962 Ethernet+CAN Eval Kit w/ Keil Real View MDK-ARM	LM3S8962	1551844	45P3413
EKS-LM3S8962	TI	LM3S8962 Ethernet+CAN Eval Kit w/ Code Composer Studio IDE	LM3S8962	1789402	63R9906

EKT-LM3S8962	TI	LM3S8962 Ethernet+CAN Eval Kit w/ Code Red Technologies Code Suite	LM3S8962	1712255	45P3419

Document List:

Datasheets:

Part Number	Description	Size
MAX3232	RS-232 Transceivers	752KB
LM1117DT-ADJ	800mA Low-Dropout Linear Regulator	647KB
LM3S8962	32-bit ARM Cortex processor	7.89MB

Application Notes:

File Name	Size
Using Stellaris Microcontrollers Internal Flash Memory to Emulate EEPROM	419KB
Programming the On-Chip Flash Memory in a Stellaris Microcontroller	95KB
Using the Stellaris Serial Flash Loader	118KB
Using the Stellaris Microcontroller Analog-to-Digital Converter	170KB