STMicroelectronics - ST90R158Q6 Datasheet

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What is "Embedded - Microcontrollers"?

"Embedded - Microcontrollers" refer to small, integrated circuits designed to perform specific tasks within larger systems. These microcontrollers are essentially compact computers on a single chip, containing a processor core, memory, and programmable input/output peripherals. They are called "embedded" because they are embedded within electronic devices to control various functions, rather than serving as standalone computers. Microcontrollers are crucial in modern electronics, providing the intelligence and control needed for a wide range of applications.

Applications of "Embedded - Microcontrollers"

Details	
Product Status	Obsolete
Core Processor	ST9
Core Size	8/16-Bit
Speed	24MHz
Connectivity	EBI/EMI, I²C, SCI, SPI
Peripherals	DMA, POR, PWM, WDT
Number of I/O	67
Program Memory Size	-
Program Memory Type	ROMless
EEPROM Size	-
RAM Size	2K x 8
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V
Data Converters	A/D 8x8b
Oscillator Type	External
Operating Temperature	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount
Package / Case	80-BQFP
Supplier Device Package	80-PQFP (14x20)
Purchase URL	https://www.e-xfl.com/product-detail/stmicroelectronics/st90r158q6

Obsolete Product(s) - Obsolete Product(s)

P9.0

All ports useable
for general pur-
pose I/O (input,

Note 1) Not present on ST90135

ST90135/158 OPTION LIST (ROM DEVICE)

Please copy this page (enlarge if possible) and complete ALL sections. Send the form, with the ROM code image required, to your local STMicroelectronics sales office.

Customer: . . . . . .

Address: . . . . . .

. . . . . .

Phone No: . . . . . .

Fax: . . . . . .

Contact: . . . . . .

Please confirm the characteristics of the ST9 device:

[ ] ST90135M5 24K ROM
[ ] ST90135M6 32KROM
[ ] ST90158M7 48KROM
[ ] ST90158M9 64KROM
[ ] ST90135M5LV 24KROM
[ ] ST90135M6LV 32KROM
[ ] ST90158M7LV 48KROM
[ ] ST90158M9LV 64K ROM

Package: [ ] PQFP80
[ ] TQFP80

Tape and Reel [ ] No [ ] Yes

Temperature Range [ ] -40 C to +85 C

Mask Charge MASKST9

Sales Code

Special Marking: [ ] No [ ] Yes "_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ "

For marking, one line is possible with maximum 14 characters.

Authorized characters are letters, digits, '.', '-', '/' and spaces only. Please contact your local STMicroelectronics for other marking details if required.

Code file name:

Customer Signature . . . . . .

Date . . . . . .