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TMP89FS28LFG

nata sheet

► English/PDF:97KB

Description

Properties

■ Development Systems

Purchase and Sample

Document

Related Links

Notes

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TMP89FS28LFG

Description

Description	8-bit microcontroller with 2560 dot matrix LCD driver (built-in voltage booster circuit)
RoHS Compatible Product(s) (#)	Available

Flash memory uses SuperFlash® technology licensed from Silicon Storage Technology (SST), Inc. SuperFlash® is a registered trademark of SST, Inc.

Properties

Package Information

Toshiba Package Name	LQFP176-P-2020-0.40D
Package Image	
Pins	176
Mounting	Surface Mount
Package Dimensions	View

Please refer to the link destination to check the detailed size.

Description

Property	Value	Unit
number of bits	8	bit
ROM size	60	Kbyte
ROM type	Flash	-
RAM size	3	Kbyte
internal data bus width	8	bit
LCD drive capability	80	ch
SEI	2	ch
UART	1	ch
UART/SIO	1	ch
l ² C	1	ch
A/D converters(10bit)	8	ch
Timer/counter(16bit)	2	ch
Timer/counter(8bit)	4	ch
watchdog timer	Available	-
dual clock operation Available		-
Clock gear function	Available	-

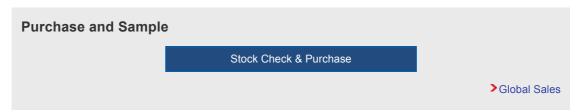
Power-on reset circuit	Available	-
Voltage detecting circuit	Available	-
On-chip debug function	Available	-
Internal Oscillator	Not Available	-
I/O Port	53	port

The minimum instruction execution time in low-speed dual clock operation mode is 122µs (at 32.768kHz). Configurable as UART or SIO. Also, selectable from I2C and SIO. One SIO channel can be used simultaneously. Two ports are reserved for high-speed oscillator pins and cannot be used as I/O ports.

Supply Voltage (V)	Operation Frequency (MHz)	Operating Temp (degC)	Minimum instruction execution time (µsec)
3.2 to 3.6	2 to 6	-40 to 85	0.167
2.7 to 3.6	2 to 4	-40 to 85	0.25

Development Systems

> TLCS-870/C1 Series Development System TMP89FS28LFG



Document

Data sheet	TMP89FS28LFG Data sheet/English (PDF: 97KB)
Environment Information	Certificate Regarding EU RoHS(2011/65/EU)Controlled Substances [Jun,2017] (PDF: 55KB)
Environment Information	Certificate on Content of SVHC of REACH [Jun,2017] (PDF: 44KB)

Related Links

- > Evaluation Kits and Reference Boards
- > Application Notes / Sample Program
- > Partner Information

Notes

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