

16 & 32-Bit Microprocessor Support ICs - continued

R8C/Tiny Series Microcomputer



The R8C/XX Group of Single-Chip 16-BIT CMOS MCU is built using the high-performance silicon gate CMOS process with the R8C/Tiny Series CPU core. This MCU operates using sophisticated instructions featuring a high level of instruction efficiency. With 1M bytes of address space, it is capable of executing instructions at high speed. Applications include electric household appliance, office equipment, housing equipment (sensor, security), general industrial equipment, audio, etc.



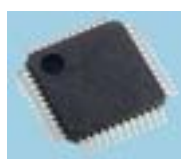
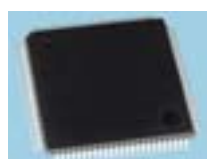
Standard on-chip features include:

- 8/16 Bit Multifunction Timers
- 10-bit A/D Converter
- Watchdog Timer
- UART/Clock Synchronous Serial Interface
- Input Capture Timer
- Oscillation Stop Detection Function

386783

Pins/Package Description	Memory Size	Mftrs. List No.	Order Code	1+	Price Each	10+	100+
21102 32/LQFP 16-Bit single-chip, 8Kb Flash CMOS, 512 bytes RAM	8 Kb	R5F21102FP	882-9950	303.00	253.00	204.00	
21103 32/LQFP 16-Bit single-chip, 12Kb Flash CMOS, 768 bytes RAM	12 Kb	R5F21103FP	882-9969	327.00	273.00	220.00	
21104 32/LQFP 16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	16 Kb	R5F21104FP	882-9977	353.00	295.00	245.00	
21113 32/LQFP 16-Bit single-chip, 12Kb Flash CMOS, 768bytes RAM	12 Kb	R5F21113FP	882-9993	353.00	295.00	239.00	
21122 32/LQFP 16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	8 Kb	R5F21122FP	883-0010	327.00	273.00	220.00	
21123 32/LQFP 16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	12 Kb	R5F21123FP	883-0029	353.00	295.00	252.00	
21124 32/LQFP 16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	16 Kb	R5F21124FP	883-0037	380.00	317.00	264.00	
21132 32/LQFP 16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	8 Kb	R5F21132FP	883-0045	353.00	295.00	252.00	
21133 32/LQFP 16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	12 Kb	R5F21133FP	883-0053	380.00	317.00	257.00	
21142 32/LQFP 16-Bit single-chip, 8Kb Flash CMOS, 512bytes RAM	8 Kb	R5F21142SP	883-0070	252.00	211.00	170.00	
21143 32/LQFP 16-Bit single-chip, 12Kb Flash CMOS, 768bytes RAM	12 Kb	R5F21143SP	883-0088	278.00	232.00	198.00	
21144 32/LQFP 16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	16 Kb	R5F21144SP	883-0096	303.00	253.00	204.00	

M16C/62P Group Microcomputers



The M16C/62P Group (M16C/62P, M16C/62PT) of single-chip microcomputers are built using the high performance silicon gate CMOS process with a M16C/60 Series CPU core. These single-chip microcomputers operate using sophisticated instructions featuring a high level of instruction efficiency. With 1M bytes of address space, they are capable of executing instructions at high speed. In addition, the microcomputer contains a multiplier and DMAC which combined with fast instruction processing capability, makes it suitable for control of various OA, communication, and industrial equipment which requires high-speed arithmetic/logic operations.

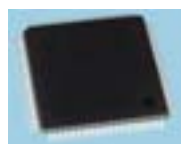


Typical applications will include Audio, cameras, television, home appliance, office/communications/portable/industrial equipment, automobile, etc

386578

Pins/Package Description	ROM Size	Mftrs. List No.	Order Code	1+	Price Each	10+	100+
30620 100/QFP 16-Bit Single-Chip 10K RAM CMOS Flash MCU	128 K	M30620FCFP#U5	882-9896	1,525.00	1,271.00	1,086.00	
30620 100/LQFP 16-Bit Single-Chip 10K ROMless CMOS MCU		M30620SPGP#U5	882-9900	658.00	549.00	469.00	

M32C/80 Group Microcomputers



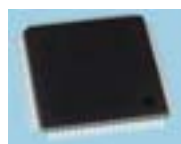
The M32C/80 group microcomputer is a single-chip control unit that utilizes high-performance silicon gate CMOS technology with the M32C/80 series CPU core. With a 16-Mbyte address space, this microcomputer combines advanced instruction manipulation capabilities to process complex instructions by less bytes and execute instructions at higher speed. It incorporates a multiplier and DMAC adequate for office automation, communication devices and industrial equipments and other high-speed processing applications..



386609

Pins/Package Description	ROM Size	Mftrs. List No.	Order Code	1+	Price Each	10+	100+
30800 100/LQFP 16-Bit Single-Chip 8K RAM ROMless CMOS MCU		M30800SAGP#U5	882-9942	996.00	832.00	710.00	
30833 100/LQFP 16-Bit Single-Chip 31K RAM CMOS Flash MCU	512 K	M30833FJGP#U5	882-9934	3,216.00	2,679.00	2,290.00	

SH7014/47 Group Microcomputers



The SH7014/47 group single-chip RISC (Reduced Instruction Set Computer) microprocessors integrate a Renesas-original RISC CPU core with peripheral functions required for system configuration. The group CPU has a RISC-type instruction set. Most instructions can be executed in one state (one system clock cycle), which greatly improves instruction execution speed. In addition, the 32-bit internal-bus architecture enhances data processing power. With this CPU, it has become possible to assemble low cost, high performance/high-functioning systems, even for applications that were previously impossible with microprocessors, such as real-time control, which demands high speeds.



386640

Pins/Package Description	ROM Size	Mftrs. List No.	Order Code	1+	Price Each	10+	100+
64F7047 100/QFP 32-Bit SuperH RISC engine 12 K RAM MCU	256 K	HD64F7047F50V	883-0177	4,262.00	3,553.00	2,870.00	
64F7014 112/QFP 32-Bit SuperH RISC engine 3 K RAM ROMless MCU		HD6417014RF28V	883-0185	1,356.00	1,131.00	966.00	

Semiconductors - Integrated Circuits

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