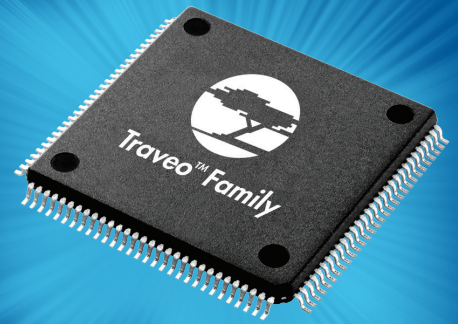


CYPRESS

TRAVEO™ MCU FAMILY S6J3400 SERIES FOR BODY CONTROL



PRODUCT OVERVIEW

INTRODUCTION

Cypress' Traveo™ S6J3400 Series of microcontrollers are designed for automotive body control units. These microcontrollers enable you to add next-generation functionalities such as Controller Area Network with Flexible Data rate (CAN FD) and secure specifications into your automotive design.

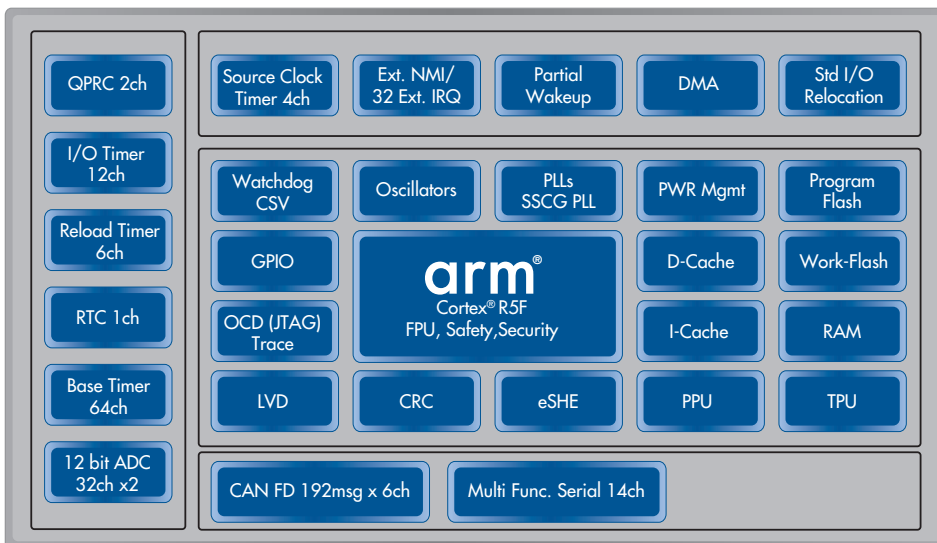
Flexible and High-Speed Data Transfers

CAN FD is a cost-effective, high-speed in-vehicle network. CAN FD supports data fields up to 64 bytes and data transfer rates up to 5 Mbps.

Built-in Security

In addition to conventional flash security that protects data stored in the microcontroller, the S6J3400 Series is equipped with SHE (HIS SHE specification Version 1.1). SHE management within the microcontroller prevents unauthorized access, data modification, and theft.

Block Diagram for S6J3400 Series



FEATURES

- CPU CORE: Arm® CORTEX® R5F
- MAX OPERATING FREQUENCY: 132MHZ
- OPERATING POWER SUPPLY:
 - 2.7V to 5.5V
- FLASH MEMORY: 576KB TO 1,088KB
- A/D CONVERTER: 12-BIT
 - max 64-channels
- CAN FD: 6-CHANNELS
- MFS COMMUNICATION: MAX 14-CHANNELS
- SECURITY: SHE (HIS SHE SPECIFICATION VERSION 1.1)
- PACKAGE:
 - LQFP-100/144 pin
 - TEQFP-176 pin

APPLICATIONS

- BCM (BODY CONTROL MODULE)
- HVAC (HEATING, VENTILATION, AND AIR CONDITIONING)
- GATEWAY
- COLLISION WARNING
- LIGHTING
- KEYLESS ENTRY
- CAR INFORMATION SYSTEM

S6J3400 SERIES PRODUCT LINEUP

Part Number	CPU Freq. (MHz)	Power Supply (V)	Flash (Program+ Work)	RAM (Main + Back up)	12bit ADC (ch)	CAN FD (ch)	MFS (ch)	Package	Notes
S6J3428F	132	2.7 to 5.5	576KB + 112KB	64KB + 12KB	15+20	6	13	LQFP-100	SHE (option)
S6J3428H					24+32			LQFP-144	
S6J3428J					32+32		TEQFP-176		
S6J3429F			832KB + 112KB	80KB + 12KB	15+20		13	LQFP-100	
S6J3429H					24+32			LQFP-144	
S6J3429J					32+32		TEQFP-176		
S6J342AF			1,088KB + 112KB	128KB + 12KB	15+20		13	LQFP-100	
S6J342AH					24+32			LQFP-144	
S6J342AJ					32+32		TEQFP-176		

Please refer to Ordering Information on the datasheet for parts available.

DEVELOPMENT TOOLS

IDE	ICE	Evaluation Board
Green Hills Software (MULTI®)	Green Hills Software (Green Hills Probe™)	S6T3J300411B100A2, S6T3J300411A176A2, S6T3J300411A000A2
IAR Systems (IAR Embedded Workbench)	IAR Systems (I-jet)	

GET STARTED NOW

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