

SCU

Supervisory Control Unit

EV62314A

Intelligent vehicle auxiliary power controller for SAE L3-L4 levels electric vehicle systems



Multiple Interfaces

CAN, LIN, DI, AI, PWM, HSO, LSO, 5V outputs, etc.

Model-Based Environment

MATLAB/Simulink Model-based development capable

Low Cost Friendly

Unit price friendly for both low & high-volume production

Compatibilities

All-in-one vehicle control HW platform

TECHNICAL CHARACTERISTICS

CAN	Up to 3 CAN bus
LIN	UP to 1 LIN bus
PWM Input	Up to 2 PWM inputs
Digital Input	Up to 10 channels
Analog Input	Up to 8 channels
Frequency	Up to 2 frequency signal input
High-side Output	Up to 4 channels with 2 PWM outputs configurable
Low-side Output	Up to 10 channels with 2 PWM outputs configurable
5V Output	Up to 3 ports
Wake-up	Up to 3 Wake-up signal

INTERFACE

Signal Name	Number	Function	Interface Description
5V Output	3	5V Sensor Voltage	External Sensor 5V Power Supply
AI	8	Analog Input	3 * Analog Signal 0~32V 5 * Analog Signal 0~5V w/ 2 * Resistor type
WAKEUP	3	Power-On Signal	1* KEYON 2 * AC/DC Charging Wake-Up Signal
DI	10	Digital Input	5 * Active Low 5 * Active High with 2 * PWM Output 1Hz-2kHz configurable
DI/SPEED	2	Frequency Input	2 * 0~32V with PWM Input 1Hz-2kHz configurable
HSO	4	High-Side Driver Output	4 * Rated 1A Maximum 3A with 2* PWM Output 1Hz-2kHz configurable
LSO	10	Low-Side Driver Output	4 * Rated 3A Maximum 4A 2 * Rated 1A Maximum 1.5A 4 * Rated 0.5A Maximum 1A with 2 * PWM Output 1Hz-2kHz configurable
CAN	3	CAN	ALL Supports CAN Flashing 1 * Supports Specific Frame Wake-Up
LIN_BUS	1	LIN BUS	Support Wakeup

DIMENSION

