AVAQ

Safety power system Basis chip, Multi Output

Manufacturer:	NXP Semiconductor
Package/Case:	QFP48
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active

Images are for reference only

Inquiry

General Description

The FS45 system basis chip (SBC) provides power to MCUs and optimizes energy consumption through a DC/DC pre-regulator and linear regulators and ultra-low-power saving modes. Featuring: Advanced functional safety measures to target ASIL B or D applications A serial peripheral interface (SPI) to allow control and diagnostics with the MCU Integration of CAN FD and LIN physical interfaces compliant with the ISO 11898-2,-5, LIN 2.2, 2.1 /J2602-2 standards along with the latest automotive OEM standards for EMC and ESD A range of integrated safety features such as monitoring of critical analog parameters, a fail-safe state machine and an advanced watchdog reduce software complexity with dual-core lock-step MCUs High-temperature capability up to TA = 150 °C and TJ = 175 °C, compliant with AEC-Q100 Grade 0 automotive qualification

Key Features

System Basis Chip, linear 0.5A Vcore, CAN, LQFP48EP

Application

Automotive

Recommended For You

MC33926PNB	MC33886PVW	MC34708VM
NXP Semiconductor	NXP Semiconductor	NXP Semiconductor
PQFN32	HSOP-20	BGA

MC33771BSP1AE	MC34708VMR2	MC33931EK
NXP Semiconductor	NXP Semiconductor	NXP Semiconductor
LQFP64	BGA	SSOP32

MC33PF8100CCES

NXP Semiconductor

VQFN56

MC33771BTA1AE

NXP Semiconductor

LQFP64

MC34931EK

NXP Semiconductor

SSOP32

MC33937APEK

NXP Semiconductor

SSOP54

MC34217P

NXP Semiconductor

DIP8

MC34932EK

NXP Semiconductor

HSSOP54

MC33932VW

NXP Semiconductor

HSOP44

MCZ33810EK

NXP Semiconductor

SOIC32

MC32PF8121A0EP

NXP Semiconductor

QFN

MC33PF8100CCES

NXP Semiconductor

MC33771BTA1AE

NXP Semiconductor

MC34931EK

NXP Semiconductor

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