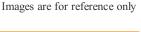


## Safety power system Basis chip, Multi Output

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





Application

Automotive

## **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

# **Recommended For You**

MC33926PNB	MC33886PVW	MC34708VM
NXP Semiconductor	NXP Semiconductor	NXP Semiconductor
PQFN32	HSOP-20	BGA
MC33771BSP1AE	MC34708VMR2	MC33931EK
NXP Semiconductor	MC34708VMR2 NXP Semiconductor	MC33931EK NXP Semiconductor

#### MC33PF8100CCES

NXP Semiconductor

VQFN56

#### **MC33937APEK**

NXP Semiconductor

SSOP54

## MC33932VW

NXP Semiconductor

HSOP44

#### **MC33771BTA1AE**

NXP Semiconductor

LQFP64

## MC34217P

NXP Semiconductor

MCZ33810EK

NXP Semiconductor SOIC32

## MC34931EK

NXP Semiconductor SSOP32

# MC34932EK

NXP Semiconductor HSSOP54

MC32PF8121A0EP

NXP Semiconductor