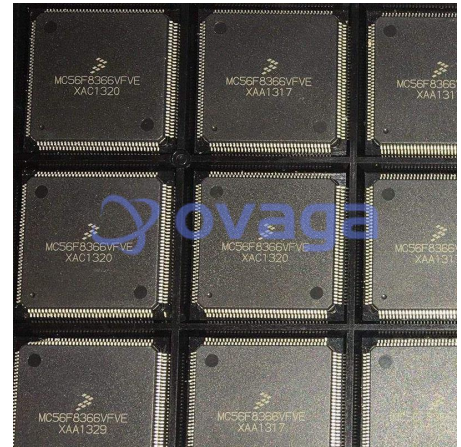


16 BIT HYBRID CONTROLLER, Digitala signalprocessorer och kontrollrar (DSP, DSC) 16 BIT HYBRID CNTRLR

| | |
|---------------|-----------------------------------|
| Manufacturers | NXP Semiconductor |
| Package/Case | LQFP-144 |
| Product Type | Embedded Processors & Controllers |
| RoHS | Rohs |
| Lifecycle | |



Images are for reference only

Please submit RFQ for MC56F8366VFVE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

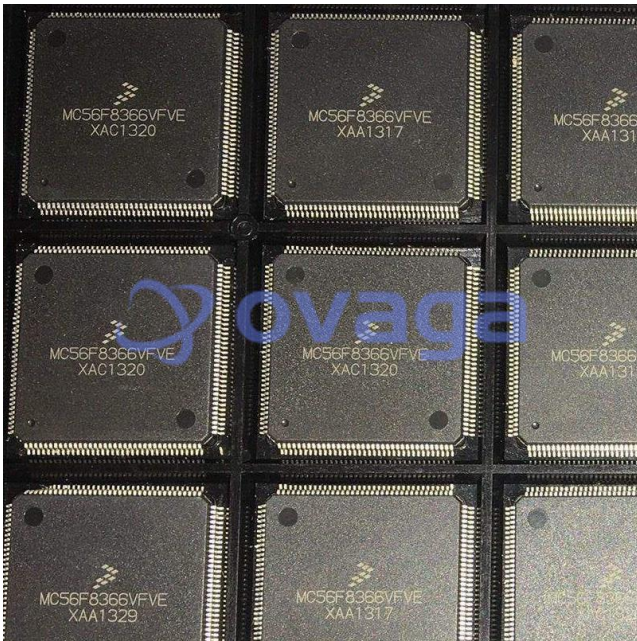
MC56F8366VFVE is a digital signal controller (DSC) produced by NXP Semiconductors. It is a member of the 56800E core-based DSC family and is designed for use in high-performance motor control applications.

Features

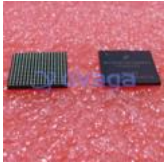
- 32-bit digital signal controller
- 60 MHz CPU frequency
- Up to 512 KB of flash memory and 64 KB of RAM
- Dual 12-bit ADCs and a 12-bit DAC
- Multiple communication interfaces, including CAN, SPI, and I2C
- High-speed PWMs with up to 12 channels
- On-chip temperature sensor
- Built-in security features, including hardware encryption and tamper detection

Application

- Industrial motor control
- Electric vehicle motor control
- Appliance motor control
- Robotics

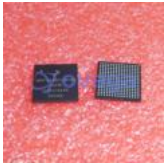


Related Products



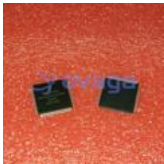
[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[MCF5253CVM140](#)

NXP Semiconductor
BGA-225



[MCF52223CAF80](#)

NXP Semiconductor
100-LQFP



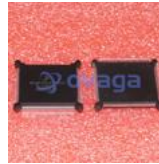
[MC9S12DG128MFUE](#)

NXP Semiconductor
QFP-80



[MC68302CEH20C](#)

NXP Semiconductor
PQFP-132



[MC68332ACEH20](#)

NXP Semiconductor
QFP132



[MC9S12DP512VPVE](#)

NXP Semiconductor
LQFP-112



[MC9S08GT8AMFBE](#)

NXP Semiconductor
QFP-44