## M16C/6N0 Group Introduction DFCAN: M306N0MCT-XXXFP, M306N0FGTFP

## DFCAN MCU: added the following functions to M16C/62

- 1. Full CAN...2 channels
- 2. Ring oscillator oscillation circuit (includes oscillation stop detection function)...1 circuit

## FEATURES

- Shortest instruction execution time 62.5 ns (f(XIN)=16M Hz)
  Package 100-pin QFP
  Timer Input: 16-bit x 6 Output: 16-bit x 5
  Serial I/O 4 channels
  Watchdog timer 1 timer
  A-D convertor 10-bit x 8 channels
- (max. 26 channels) • External interrupt sources 9 sources
- Programmable I/O port 87 ports
- Operating temperature range -40°C to 85°C (under examining to correspond to -40°C to 125°C)



## MITSUBISHI FULL-CAN SPECIFICATION

 CAN protocol Ver.2.0B Transfer rates 1M bps max. (f(XIN)=20M Hz) • Bit timing The segment PH2 can be programmed from 2. Message slot 16 slots Acceptance filter 3 circuits Acceptance filter support unit **Built-in** • Time stamp The data received time is registered automatically. •Automatic transfer (remote reception & data transmit) 11 11 **Built-in**  Sleep & Wake up **Built-in**  One-shot transmit Built-in · Listen only mode **Built-in** 

# M16C/6N1 Group Introduction SFCAN: M306N1MCT-XXXFP, M306N1FCTFP;

## SFCAN MCU: added the following functions to M16C/62

- 1. Full CAN...1 channel
- 2. Ring oscillator oscillation circuit (includes oscillation stop detection function)...1 circuit

## FEATURES

- Shortest instruction execution time 62.5 ns (f(XIN)=16M Hz)
- Package
   100-pin QFP
- Timer
  - Input: 16-bit x 6 Output: 16-bit x 5

Serial I/O

4 channelsWatchdog timer

1 timer

- A-D convertor 10-bit x 8 channels (max. 26 channels)
- External interrupt sources 9 sources
- Programmable I/O port
   87 ports
- Operating temperature range

-40°C to 85°C (under examining to correspond to -40°C to 125°C)

### MITSUBISHI FULL-CAN SPECIFICATION

- CAN protocol Ver.2.0B
- Transfer rates 1M bps max. (f(XIN)=20M Hz)
- Bit timing

The segment PH2 can be programmed from 2.

- Message slot
   16 slots
- Acceptance filter
   3 circuits
- Acceptance filter support unit Built-in
- Time stamp

The data received time is registered automatically.

- Automatic transfer (remote reception & data transmit)
   Built-in
- Sleep & Wake up
  Built-in
- One-shot transmit Built-in
- Listen only mode
   Built-in