

LAN89303



High-Performance, Three Port, 10/100 Managed Ethernet Switch with MII/RMII™ for Automotive Applications

Features

- Designed, fabricated, tested, characterized and qualified for automotive applications
- TrueAuto™ design, service and support
- Three port switch provides VLAN, QoS packet prioritization, rate limiting, IGMP monitoring and management functions
- IEEE 802.3 and 802.1D/802.1Q-compliant
- 10BASE-T/100BASE-TX and HP Auto-MDIX support
- Up to 200 Mbit/s via Turbo MII
- Serial management
 - I²C™ (slave) access to all internal registers
 - MIIM (MDIO) access to PHY-related registers
 - SMI (extended MIIM) access to all internal registers
- Unique virtual PHY feature simplifies software development by mimicking the multiple switch ports as single port PHY
- Single 3.3 V power supply
- 56-pin (8 x 8 mm²) QFN lead-free, RoHS-compliant package
- Temperature range: -40 °C to +85 °C

Applications

- Diagnostic interface for dealership service bay
- Fast software download interface with an On-board Diagnostic (OBD) connector
- Gateway service interface for dealership, aftermarket and repair shop
- In-vehicle engineering development interface
- Vehicle manufacturing test interface for production plant assembly line
- Legislated emissions check and/or safety inspections



Ordering Information:

LAN89303AM Tray

Order No. B10281

LAN89303AMR Tape & Reel

Order No. B10280

