

SYS-LRU0000

Die LRU0000 ist der Platzsparer unter den IO-Modulen. Ungeachtet ihrer Größe stehen 29 Ein- und Ausgänge zur Verfügung. Ideal für Tastaturen und beengte Bauräume.

Highlights:

- Slim form factor.
- Combined Power and CAN Bus Connector for simplified module interconnection
- Ideal for space-efficient input device monitoring and digital output control.

CAN Bus Features:

- Message Bit Rates up to 1 Mbps
- Conforms to CAN2.0B Active Specification
- Flexible Protocol Support: CANaerospace, CANopen, User Specified Protocols

Firmware Features:

- Upgradeable in-system
 - Bootloader via CAN Bus
 - No disassembly required
 - Minimal Downtime
- Event and/or Status Driven Message Propagation
- Flexible Protocol Implementation

Peripheral Features:

- 29 General Purpose Inputs/Outputs (GPIOs), including
 - 2 External Interrupts
 - 4 Push-Pull PWM outputs
 - 8-Channel, 10-Bit Analog-Digital-Converter
 - 12 High-Current Sink/Source Outputs (25 mA)
 - 14 Digital Inputs with internal Pull-Up Resistors
- Synchronous Serial Port:
 - 3/4-wire SPI (supports all four SPI modes)
 - I2C Master and Slave modes
- Two Serial Communications Interface Ports (SCI):
 - full-duplex asynchronous operation
 - half-duplex synchronous operation
 - Local Interconnect Network bus (LIN/J2602 bus)
- Two integrated Status LEDs (red/green)
- Integrated Watchdog to detect and recover from System Upsets
- 4pin Micro Match CAN Bus Connector for Power and Bus Connection
- EMC tested according to DINEN55011: 2017-03; Industrial, scientific and medical equipment-Radio-frequency disturbance characteristics - Limits and methods of measurement (CISPR 11:2015, modified +A1:2017).
- Operation / Storage temperature: -10° - 85°C

TYPICAL APPLICATIONS

- Device Monitoring
- Key Matrix Processing
- Simple digital output control