

ES-6P6E

6-Axis Pulse Type Motion EtherCAT Slave Module



Main Features

- Multi-purpose EtherCAT module
- Support six motor drivers
- Quadrature encoder interface
- Supports EtherCAT Distributed Clock (DC)
- DI with 3,750 Vrms isolation
- DO with 1,500 Vrms isolation
- LED indicators for I/O status

Product Overview

ES-6P6E is a pulse-type EtherCAT slave module, featuring EtherCAT communication and CiA 402 device profile for machine automation applications requiring multi-axis synchronization control. With pulse type commands, ES-6P6E supports 6 sets of pulse output, 6 sets of encoder input, dedicated I/O points for servo control, and mechanism to facilitate building up whole machines.

Specifications

Pulse Output

- 6 sets of High-Speed Pulse output
- Format: CW/CCW, Pulse/Direction

Quadrature Encoder Input

- 6 sets of Quadrature Encoder Input
- Type: Incremental
- Format: AB
- Index input
- Data length: 32 bits

Digital Input and Output

- Input Voltage Range: 10V ~ 30V
- Optical isolated

Power Requirements

- DC input range: DC 24V $\pm$ 2V with over-voltage and reversed-voltage protection

Communication

- Data transfer medium: Ethernet cable (CAT5e), shield type: S/STP or S/UTP
- Ethernet interface: 2x RJ-45
- Data transfer rate: 100Mbps, full duplex
- Protocol: EtherCAT
- Device profile: CiA 402

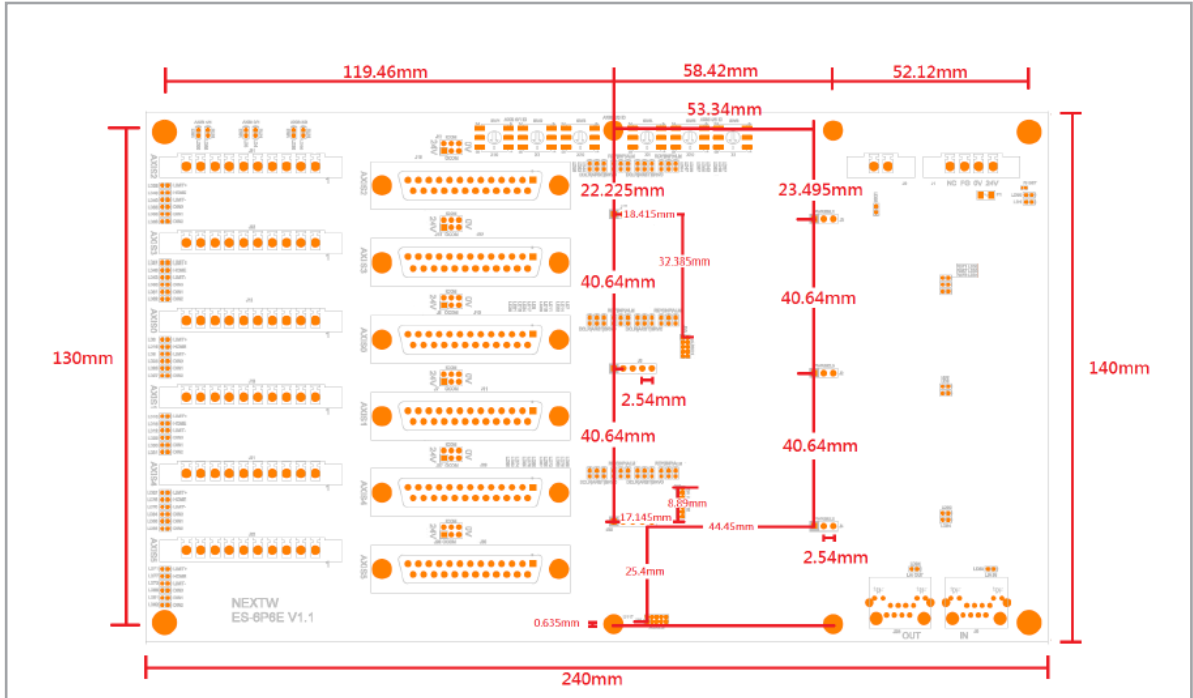
Environment

- Operating Temperature: 0 °C ~ 50 °C
- Relative humidity:
 - 35 ~ 85 %, non-condensation, operating
 - 10 ~ 90 %, non-condensation, non-operating

Mechanical Information

- Dimension (mm): 140 (W) x 240 (L)





Ordering Information

ES-6P6E (P/N: 6879ROBO0009F)

6-axis Pulse Output EtherCAT Slave Module