Pulse electronics
J0011D01BNL

ECAT
IN

ECAT
OUT

J5

J6

EtherCAT
Connection **

J1
RS232
Connection

12 — 232Tx
11 — 232Rx
1 — GND

PC
RS232

+5V$_{OUT}$

100Ω÷1KΩ

Ref/ Fdbk   0÷5V

GND

12

11

14

J3
Analog
Input

J3
Digital
Encoder
Feedback

2 — Enc A+
3 — Enc A-
4 — Enc B+
5 — Enc B-
6 — Enc Z+
7 — Enc Z-
12 — +5V
14 — GND

DIGITAL
ENCODER*

IN0
IN1
IN2/LSP
IN3/LSN
IN4/Enable

GND

6
7
8
9
10

1

J1
Digital
Inputs

J3
Digital
Hall
Signals
Input

8 — H1
9 — H2
10 — H3
12 — +5V
14 — GND

MOTOR
HALL
SIGNALS*

LOAD   OUT0
0.5 A max

LOAD   OUT1
0.5 A max

4

5

J1
Digital
Outputs

J3
Motor
Connector

2 — A
1 — B
4 — C

BLDC
MOTOR*

+V$_{LOG}$
or
50V max

5

CHOPPING RESISTOR

typ. 27Ω

Logic power supply

DC Power Supply

Isolated
Transformer

+

-

3

1

J1
Logic
Power
Supply

J1
Motor
Power
Supply

2

1

Motor power supply

DC Power Supply

+

-

Isolated
Transformer

7V/0.35A....40V/0.1A

7-30V, 1A$_{NOM}$

* FOR ALL AVAILABLE OPTIONS CHECK THE USER MANUAL OF THE DRIVE

** For a detailed EtherCAT bus connection diagram check the user manual or datasheet of the drive

iPOS2401 MX-CAT

iPOS2401 MX-CAN - Electrical Connection Diagram
Title

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