40 J1 1

1

J3

12

40 J2

View with pins facing upwards.

Magnetics

ECAT IN

ECAT OUT

HX0068ANL

| 31 |
| 32 |
| 33 |
| 34 |

J1*
EtherCAT Connection

| 25 |
| 26 |
| 27 |
| 28 |

+5V OUT

100Ω÷1KΩ   REF   0÷5V
GND
100Ω÷1KΩ   FDBK   0÷5V

| 38 |
| 5 |
| 9 |
| 4 |

J2 Analog Inputs

+V LOG

PNP**

NPN**

GND

IN0 — 13
IN1 — 12
IN2/LSP — 14
IN3/LSN — 15
IN4 — 11
IN5 — 10
GND — 9
+V LOG — 40

J2 Digital Inputs

STO1+ — 40
STO1- — 39
STO2- — 37
STO2+ — 38

18...36V
SELV/ PELV

J1 STO

LOAD   OUT0 — 21
max 1.5 A PNP/ 2A NPN
LOAD   OUT1 — 20
max 0.3 A PNP/ 0.4A NPN
LOAD   OUT2/Error — 17
max 0.3 A PNP/ 0.4A NPN
LOAD   OUT3/Ready — 16
max 0.3 A PNP/ 0.4A NPN
LOAD   OUT4 — 19
max 0.3 A PNP/ 0.4A NPN
LOAD   OUT5 — 18
max 0.3 A PNP/ 0.4A NPN

+V LOG

NPN**

PNP**

GND

J2 Digital Outputs

Logic power supply

Isolated Transformer

DC SELV/ PELV Power Supply
9V/0.4A....36V/0.12A

40

39

J2 Logic Power Supply

PE

J1 USB Connection

USB V+ — 6
USB DATA- — 4
USB DATA + — 5
GND — 36

USB CABLE

PC

Enc A2+ — 32
Enc A2- — 33
Enc B2+ — 31
Enc B2- — 30
Enc Z2+ — 28
Enc Z2- — 29
+5V — 38
GND — 9

J2 Feedback #2 Connector

Feedback #2 *

Transmission

Enc A1+ — 26
Enc A1- — 27
Enc B1+ — 24
Enc B1- — 25
Enc Z1+ — 22
Enc Z1- — 23
+5V — 38
GND — 9

J2 Feedback #1 Connector

Feedback #1 *

H1 — 8
H2 — 7
H3 — 6
+5V — 38
GND — 9

J2 Digital Hall Signals Input

MOTOR HALL SIGNALS*

A — 9,10
B — 7,8
C — 5,6

J3 Motor Connector

BLDC MOTOR*

CHOPPING RESISTOR
typ. 10Ω

3,4
1,2

J3 Motor Power Supply

Motor power supply

DC Power Supply
12-80V, 15A NOM

11,12

1,2

Isolated Transformer
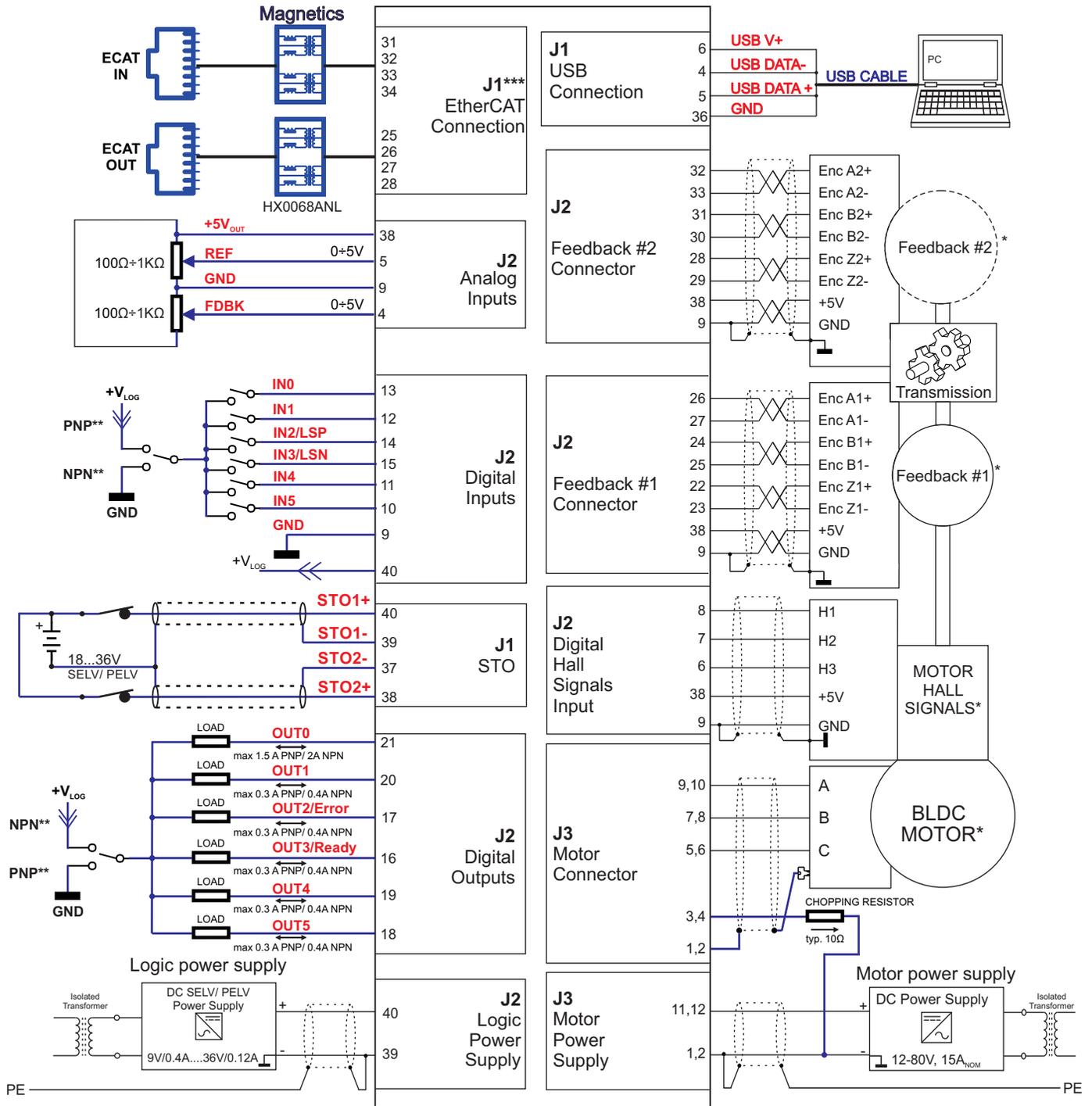
PE

* For all available feedback/ motor options, check the user manual of the drive
** The PNP/NPN connection is configured by software
*** For a detailed EtherCAT bus connection diagram check the user manual or datasheet of the drive

iPOS8015 MZ-CAT	**P/N:P022.036.E122**

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iPOS8015 MZ-CAT - Electrical Connection Diagram
Title

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