

Technical Data Sheet IO-PD4-C-01

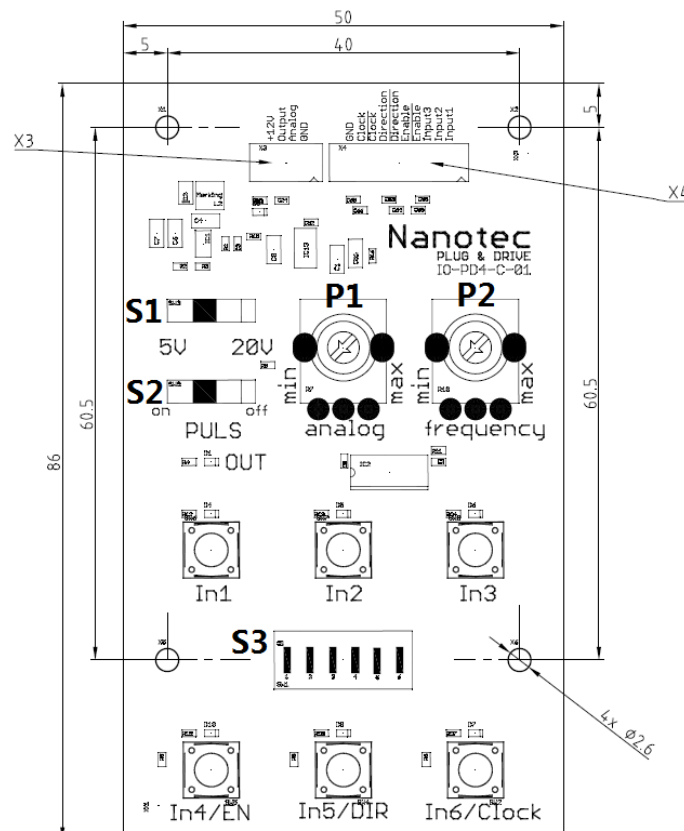
Technical data:

Operating voltage: 12 V DC +/-5% (12 V DC output of the PD4-Cxx-01 motor).
 Current consumption: Max. 100 mA RMS.
 Input voltage: 20 V DC signal for input 1 to input 3, 5 V/20 V DC signal, switchable for input 4 to input 6. Analog voltage: 0 V to 9.57 V.
 Clock frequency: 225 Hz to 1120 Hz (5 V DC input voltage)
 170 Hz to 950 Hz (20 V DC input voltage)
 LED: 6x green LEDs for input 1 to input 6
 1x green LED for 12 V DC
 1x blue LED for output

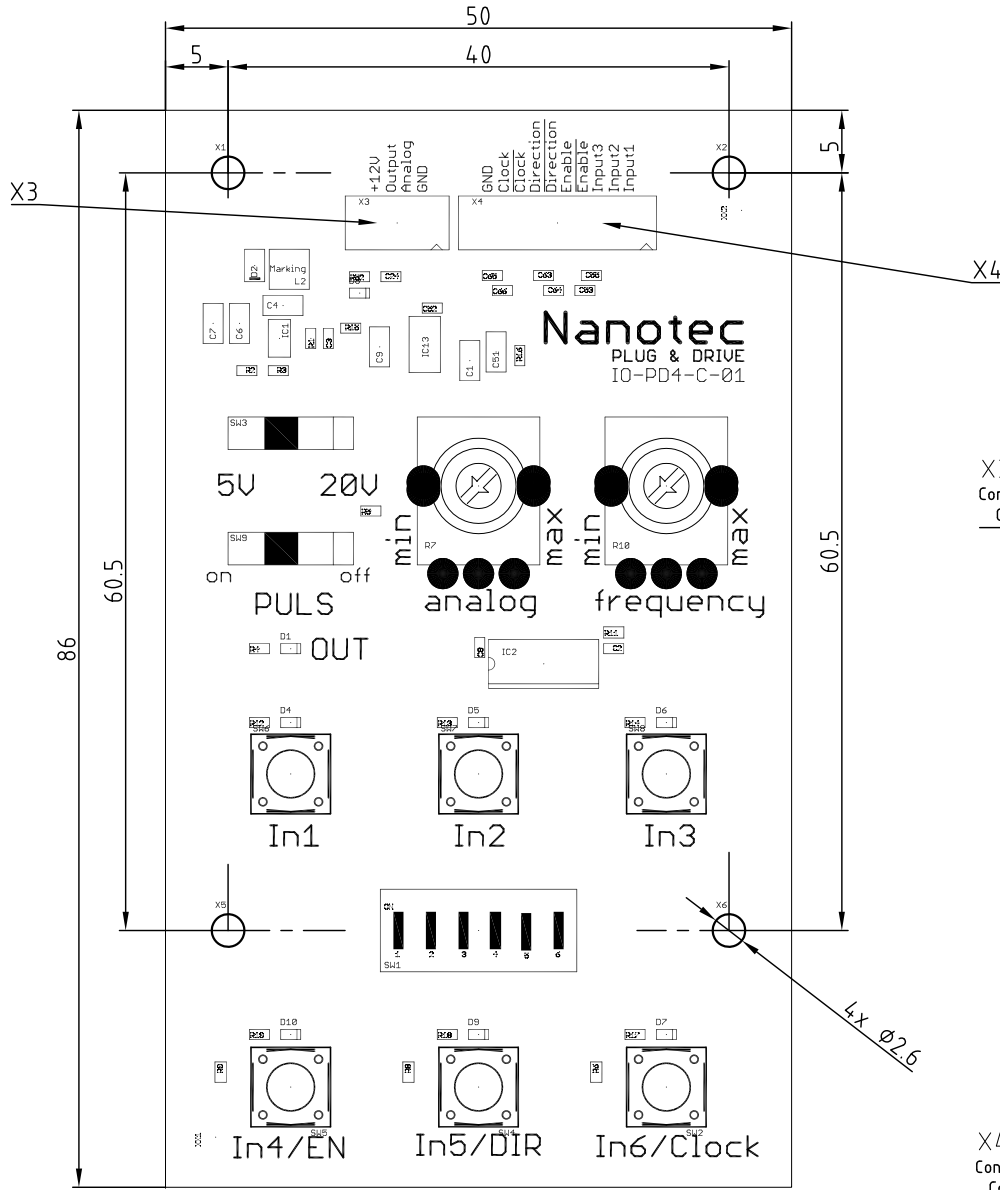
Hardware overview:

Name	Function (as seen from connected PD4-Cxx-01 motor)
X3	Connection to PD4-C via IO-PD4-C-01 cable set
X4	Connection to PD4-C via IO-PD4-C-01 cable set
S1 5 V/20 V	Switching between 5 V/20 V DC signal for input 4 to input 6
S2 PULSE on/off	Switching on/off the internal clock generator at input 6
S3 (pos. 1 to 6)	Switch for input 1 to input 6
In1 to In6	Button for input 1 to input 6
P1 Analog	Potentiometer for adjusting the analog signal
P2 Frequency	Potentiometer for adjusting the internal clock signal at input 6

Dimension [mm]:



DIMENSION (UNIT : mm)



Board- Version W01

X3

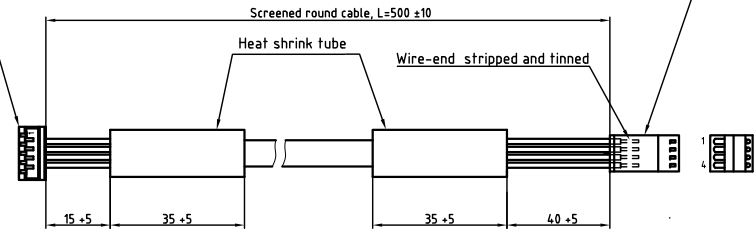
PIN ASSIGNMENT: JST-GHR-04V-S / FK-MC0.5/4		
PIN NO.	COLOR	FUNCTION
1	BK	GND
2	BU	Analog
3	WH	Output
4	BN	+12V

X4

PIN ASSIGNMENT: JST-GHR-10V-S / FK-MC0.5/10		
PIN NO.	COLOR	FUNCTION
1	VT	In 1
2	GN	In2
3	BN	In 3
4	GY	En
5	WH	En
6	YE	Dir
7	OG	Dir
8	BU	CLK
9	PK	Clk
10	BK	GND

X3

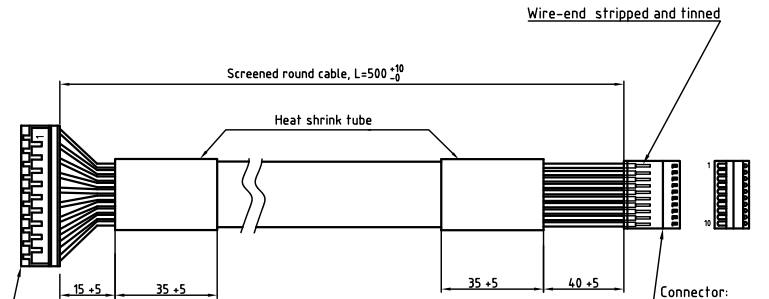
Connector: JST-GHR-04V-S
Contact: SSSL-002T-P0.2



Connector:
Phoenix FK-MC0.5/4-ST-2.5
or equivalent

X4

Connector: JST-GHR-10V-S
Contact: SSSL-002T-P0.2



Connector:
Phoenix FK-MC0.5/10-ST-2.5
or equivalent

all wires : AWG 28

				 Nanotec [®] PLUG & DRIVE	SCALE FREE	APVD	M.S.	09.10.14	CABLE
					X ±0.5	CHKD			
					1PL ±0.2	DRN	A.S.	09.10.14	10-PD4-C-01
REV	DESCRIPTION	DATE	APVD	10-PD4-C-01	2PL ±0.1	SIGNATURE	DATE		
					ANGLE ±30'				