Connectors Designations

Tiger City IMX Industrial Computer with Linux OS

Principle of designating connector pins

Each pin designation is composed of 2 parts.

Part 1

Choose a letter stating the type and purpose of the connector, chosen individually with ease of use by the user in mind.

General connectors

D - digital input pin
H - digital input/output pin
U - universal input/output pin
G - ground potential

RS485

A - A pin of the connector
B - B pin of the connector

RS232

T - Tx pin of the connector
R - Rx pin of the connector

1-Wire

5V - +5 V voltage
1W - 1-Wire data

Part 2

Choose a digit representing the pin on the connector. In case of more than 10 pins on the connectors, letters should be used.

Connector designations for IMX8

Eagle designation	Documentation designation
Digital inputs connectors	
1	G
2	D1
3	D2
4	D3
5	D4
6	D5
Digital inputs/outputs connectors	
1	H1
2	H2
3	H3
4	G
5	H4
6	H5
7	H6
8	H7

Eagle designation	Documentation designation
Universal inputs/outputs connector	
1	U1
2	U2
3	G
4	U3
5	U4
RS485 1/2 connectors	
1	A1
2	B1
3	G
4	A2
5	B2
RS485 3/4 connectors	
1	A3
2	B3
3	G
4	A4
5	B4
RS232 1/2 & 1-Wire connectors	

Eagle designation	Documentation designation
1	G
2	T1
3	R1
4	T2
5	R2
6	1W
7	5V
8	G

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