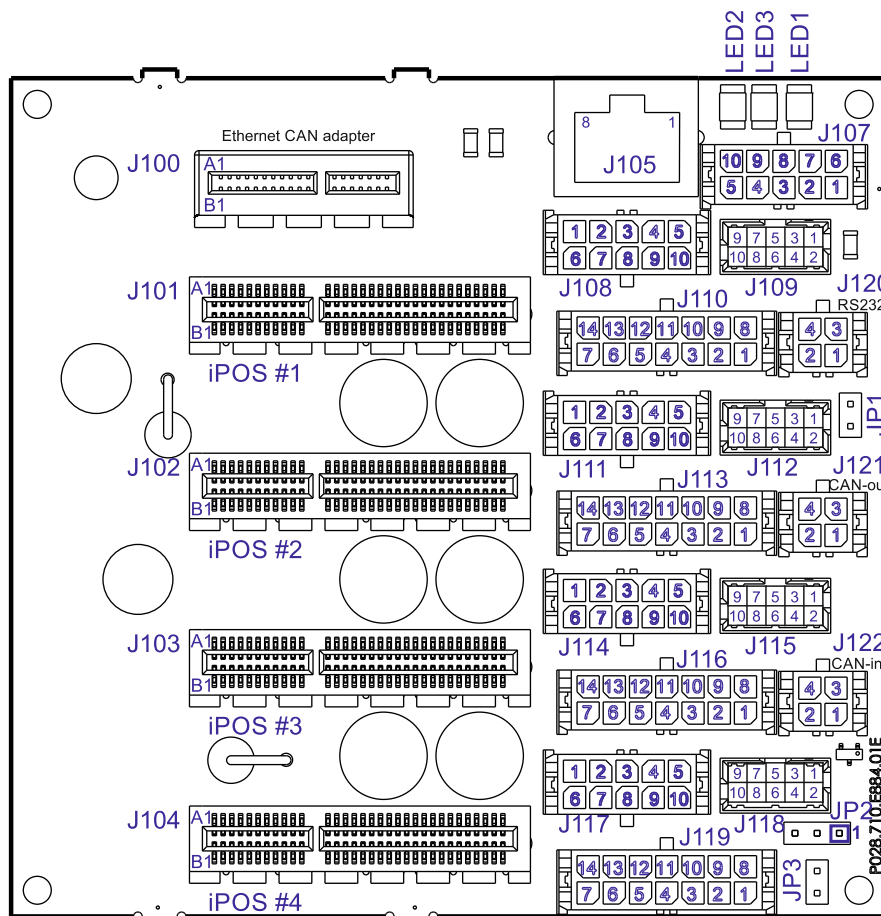


iPOS360X MBX4-CAN/NET connectors and pinout

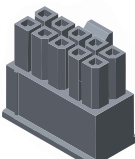
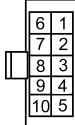
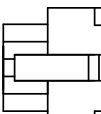
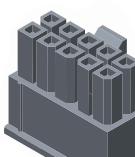
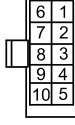
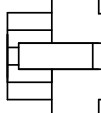
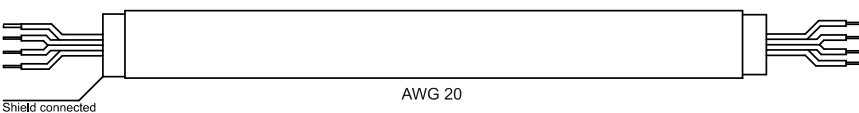
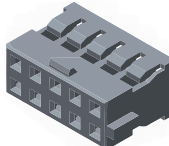
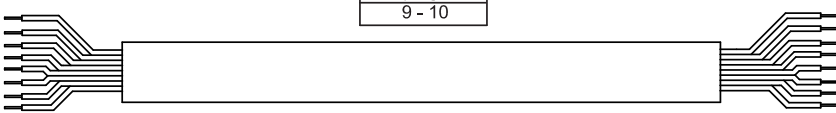
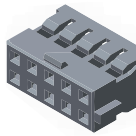
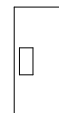
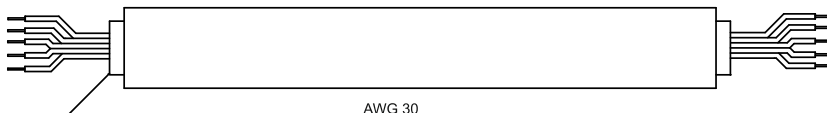
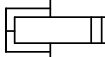
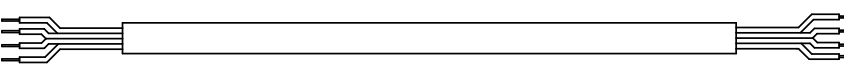
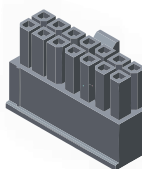
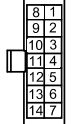
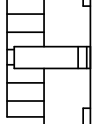


Compatible products		
Part No.	Name	Description
P028.002.E884	iPOS360x MBX4-CAN	Motherboard for 4 axe iPOS360x VX, CAN
P028.002.E894	iPOS360x MBX4-NET	Motherboard for 4 axes iPOS360x VX, Ethernet

Accessories		
Part No.	Name	Description
P038.002.E306	CAN terminator	Molex MFIT 2x2 connector with 120 Ohms terminal resistor
P028.040.C232	CA RS232 cable	Molex 2x2 M-Fit to DB9 cable
P028.040.C030	CAN interconnection	CAN2CAN Cable 10cm Molex 2x2 M-Fit drive to drive
P038.001.E136	RS232 - USB adapter	Standard USB to RS232 adapter with FTDI chipset

Ordering information			
Part No.	Description	Package components	Connectors
P028.040.C199	CCS 4xiPOS360x SXD (complete cable set, 100 cm, for the 4-axis motherboard with differential encoder cables)	1 x Power Supply cable	J107
		2 x RS232 cable / CAN cable	J120 / J121, J122
		4 x Motor & Hall cable	J108, J111, J114, J117
		4 x Differential Encoder or Linear Hall cable	J109, J112, J115, J118
		4 x I/O cable	J110, J113, J116, J119
P028.040.C198	CCS 4xiPOS360x SXE (complete cable set, 100 cm, for the 4-axis motherboard with single-ended encoder cables)	1 x Power Supply cable	J107
		2 x RS232 cable / CAN cable	J120 / J121, J122
		4 x Motor & Hall cable	J108, J111, J114, J117
		4 x Single-Ended Encoder cable	J109, J112, J115, J118
		4 x I/O cable	J110, J113, J116, J119

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J107 - Power Supply cable									
	Connector's view from crimp pins entry side 	Connector's lateral view 	1 - white 2 - brown 3 - green 4 - yellow 5 - gray 6 - pink 7 - blue 8 - red 9 - black 10 - violet	 AWG 20					
J108, J111, J114, J117 - Motor and Hall Inputs cables V2*									
	Connector's view from crimp pins entry side 	Connector's lateral view 	Motor cable 1 - red 2 - yellow 6 - blue 7 - yellow/green 9 - black Shield connected to housing pin 9	 AWG 20					
			Hall Inputs cable 3 - red 4 - yellow 5 - brown 8 - green 10 - orange	 AWG 24					
J109, J112, J115, J118 - Differential Encoder or Linear Hall cable									
	Connector's view from crimp pins entry side 	Connector's lateral view 	1 - white 2 - brown 5 - green 6 - yellow 7 - gray 8 - pink 9 - blue 10 - red	<table border="1"><thead><tr><th>Twisted Pairs</th></tr></thead><tbody><tr><td>1 - 2</td></tr><tr><td>5 - 6</td></tr><tr><td>7 - 8</td></tr><tr><td>9 - 10</td></tr></tbody></table>  AWG 30	Twisted Pairs	1 - 2	5 - 6	7 - 8	9 - 10
Twisted Pairs									
1 - 2									
5 - 6									
7 - 8									
9 - 10									
J109, J112, J115, J118 - Single-Ended Encoder cable									
	Connector's view from crimp pins entry side 	Connector's lateral view 	1 - white 2 - brown 6 - green 8 - yellow 10 - gray Shield connected to housing pin 3	 AWG 30					
J120 / J121, J122 - RS232 / CAN cable									
	Connector's view from crimp pins entry side 	Connector's lateral view 	1 - white 2 - brown 3 - green 4 - yellow	 AWG 24					
J110, J113, J116, J119 - I/O cable									
	Connector's view from crimp pins entry side 	Connector's lateral view 	1 - white 2 - brown 3 - green 4 - yellow 5 - gray 6 - pink 7 - blue 8 - red 9 - black 10 - violet 11 - gray-pink 12 - red-blue 13 - white-green 14 - brown-green	 AWG 24					
Cables description - Cables length 1000 mm; - Stripped wires 5 mm; - One end with flying leads (20mm).									
* The color scheme shown applies to the V2 version of the cables, which will be commercially available starting May 2025. For documentation on the previous color scheme, please contact Technosoft.									

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