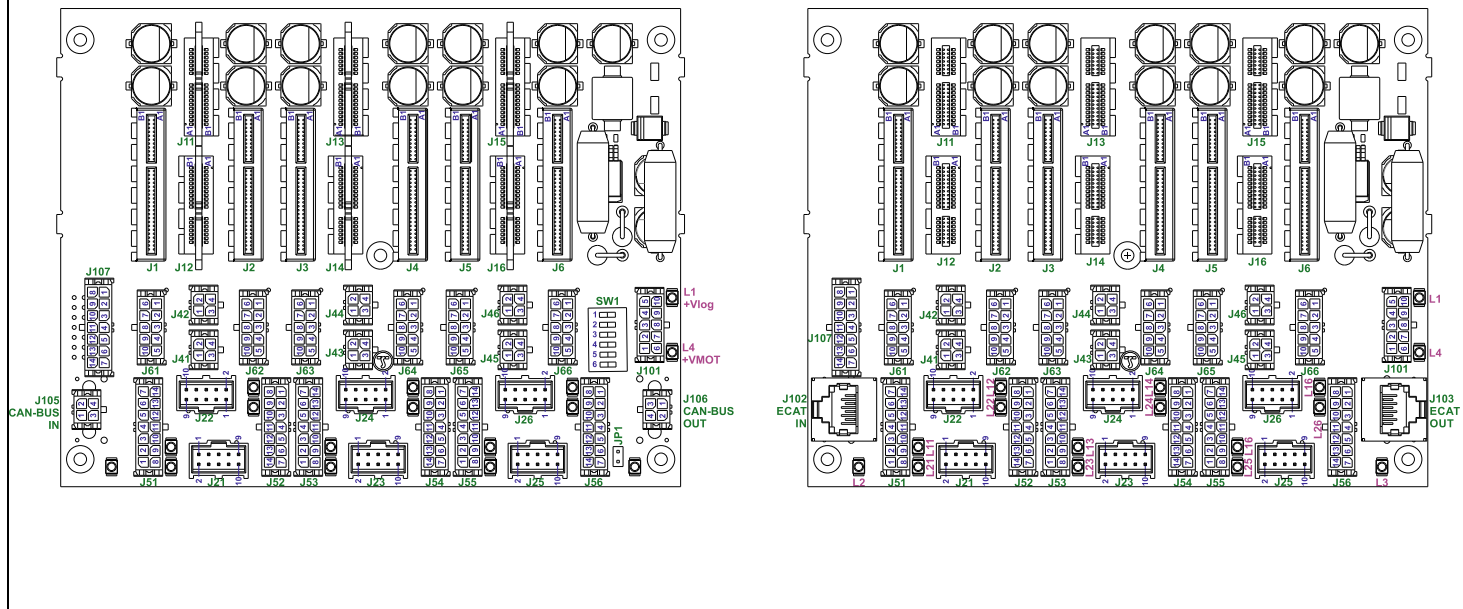


iPOS360X MBX6-CAN and iPOS360X MBX6-CAT connectors and pinout

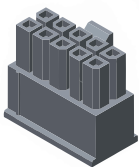
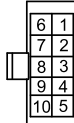
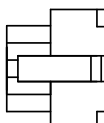
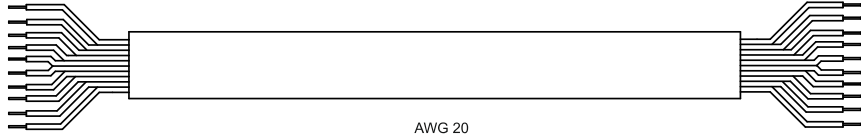
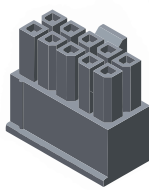
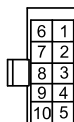
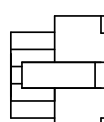
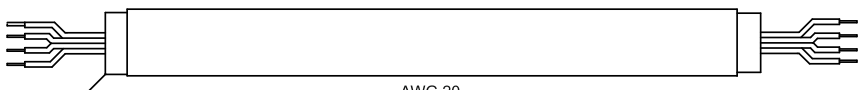
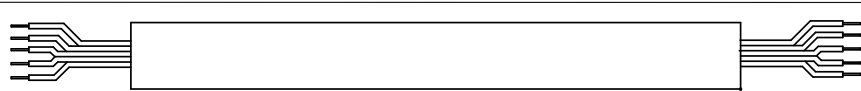
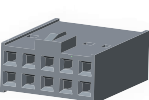
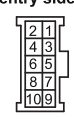
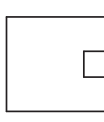
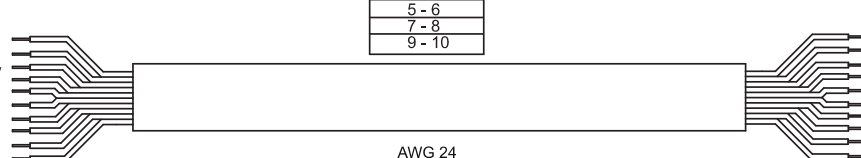
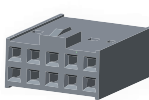
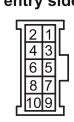
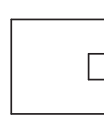
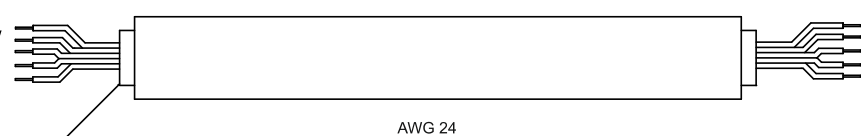
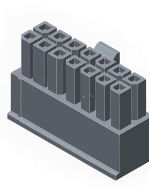
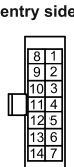
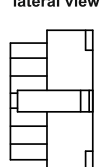
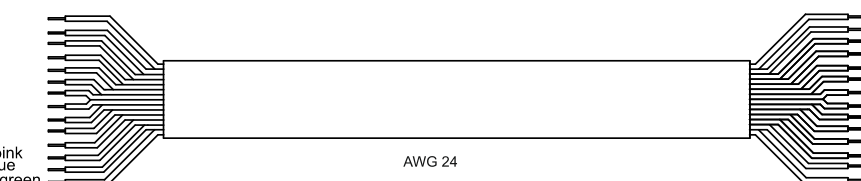
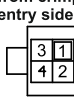
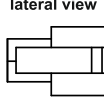
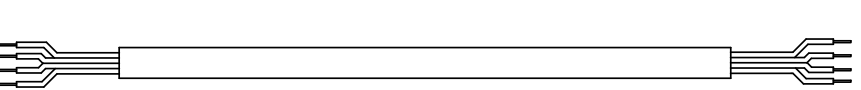


Compatible products		
Part No.	Name	Description
P028.024.E006	iPOS360x MBX6-CAN	Motherboard for 6 axes iPOS360x VX, CAN, G3
P028.023.E000	iPOS360x MBX6-CAT	Motherboard for 6 axes iPOS360x VX, CAN, G3

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.C399	CCS 6xiPOS360x SXD G3 (complete cable set, 100 cm, for the 6-axis motherboard with differential encoder cables)	1 x Power Supply cable	J101
		2 x RS232 cable / CAN cable	J41-46 / J105, J106
		6 x Motor & Hall cable	J61-66
		6 x Differential Encoder & Linear Hall cable	J21-26
		6 x I/O cable	J51-56
P028.040.C398	CCS 6xiPOS360x SXE G3 (complete cable set, 100 cm, for the 6-axis motherboard with single-ended encoder cables)	1 x Power Supply cable	J101
		2 x RS232 cable / CAN cable	J41-46 / J105, J106
		6 x Motor & Hall cable	J61-66
		6 x Single-Ended Encoder cable	J21-26
		6 x I/O cable	J51-56

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J101 - 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						
J61-J66 - 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						
J21-26 - Differential Encoder or Linear Hall 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	<table border="1"><tr><td>Twisted Pairs:</td></tr><tr><td>1 - 2</td></tr><tr><td>3 - 4</td></tr><tr><td>5 - 6</td></tr><tr><td>7 - 8</td></tr><tr><td>9 - 10</td></tr></table>  AWG 24	Twisted Pairs:	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10
Twisted Pairs:										
1 - 2										
3 - 4										
5 - 6										
7 - 8										
9 - 10										
J21-26 - Single-Ended Encoder cable										
	Connector's view from crimp pins entry side 	Connector's lateral view 	2 - brown 4 - yellow 6 - pink 9 - black 10 - violet 7 - blue: connected to shield	 AWG 24						
J51-56 - 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						
J41-46 / J105, J106 - RS232 cable / CAN cable										
	Connector's view from crimp pins entry side 	Connector's lateral view 	1 - white 2 - brown 3 - green 4 - yellow	 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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 TECHNOSOFT		Title of document iPOS360x MBX6-CAN/CAT Cable Set PRODUCT DATA SHEET	N° document P028.040.C39x.MBX6-CAN-CAT.DSH.10B Page : 2 of 2	