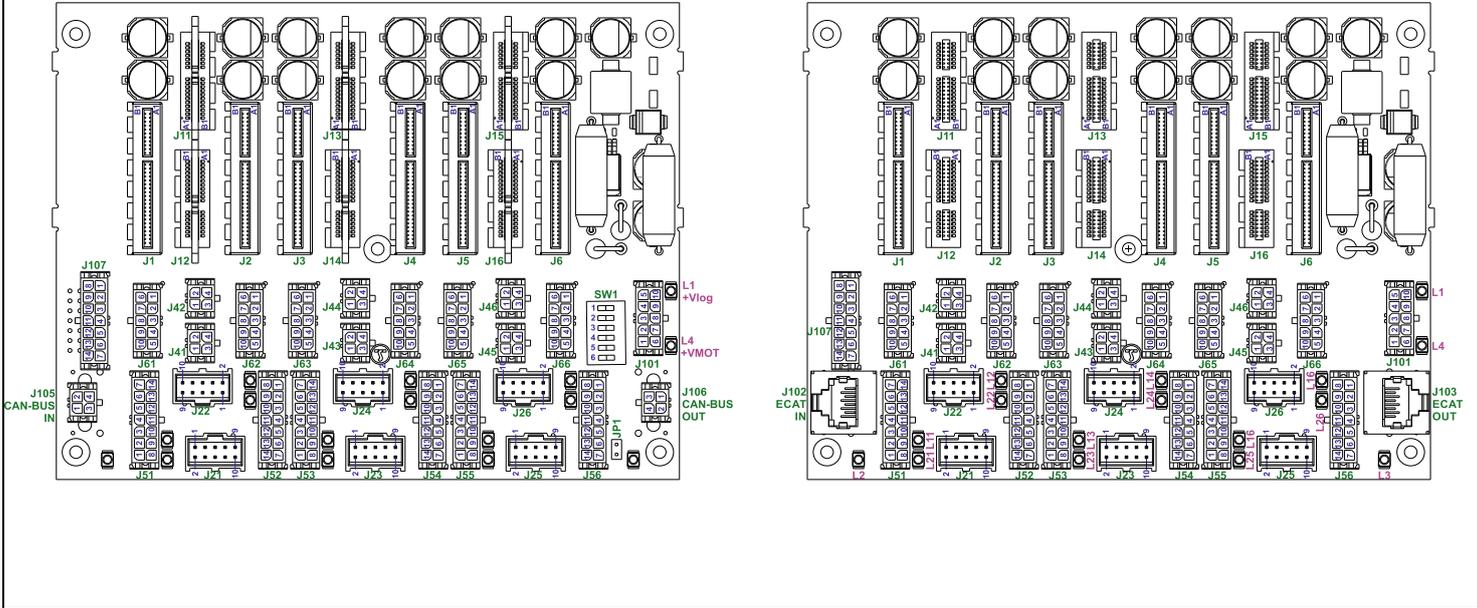


iPOS360X MBX6-CAN and iPOS360X MBX6-CAT connectors and pinout



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

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
P028.040.C398	CCS 6xiPOS360x SXE G3 (complete cable set, 100 cm, for the 6-axis motherboard with single-ended encoder cables)	6 x I/O cable	J51-56
		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

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

J101 - Power Supply cable																
	<p>Connector's view from crimp pins entry side</p>	<p>Connector's lateral view</p>	<p>1 - white 2 - brown 3 - green 4 - yellow 5 - gray 6 - pink 7 - blue 8 - red 9 - black 10 - violet</p> <p>AWG 20</p>													
J61-J66 - Motor and Hall Inputs cables																
	<p>Connector's view from crimp pins entry side</p>	<p>Connector's lateral view</p>	<p>Motor cable</p> <p>1 - white 2 - brown 6 - green 7 - yellow</p> <p>AWG 20</p> <p>9 - yellow Shield connected to housing pin 9</p>													
			<p>Hall Inputs cable</p> <p>3 - white 4 - brown 5 - green 8 - black 10 - gray</p> <p>AWG 24</p>													
J21-26 - Differential Encoder or Linear Hall cable																
	<p>Connector's view from crimp pins entry side</p>	<p>Connector's lateral view</p>	<p>1 - white 2 - brown 3 - green 4 - yellow 5 - gray 6 - pink 7 - blue 8 - red 9 - black 10 - violet</p> <p>AWG 24</p> <table border="1"> <tr><th colspan="2">Twisted Pairs:</th></tr> <tr><td>1 - 2</td><td></td></tr> <tr><td>3 - 4</td><td></td></tr> <tr><td>5 - 6</td><td></td></tr> <tr><td>7 - 8</td><td></td></tr> <tr><td>9 - 10</td><td></td></tr> </table>	Twisted Pairs:		1 - 2		3 - 4		5 - 6		7 - 8		9 - 10		
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9 - 10																
J21-26 - Single-Ended Encoder cable																
	<p>Connector's view from crimp pins entry side</p>	<p>Connector's lateral view</p>	<p>2 - brown 4 - yellow 6 - pink 9 - black 10 - violet</p> <p>AWG 24</p> <p>7 - blue: connected to shield</p>													
J51-56 - I/O cable																
	<p>Connector's view from crimp pins entry side</p>	<p>Connector's lateral view</p>	<p>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</p> <p>AWG 24</p>													
J41-46 / J105, J106 - RS232 cable / CAN cable																
	<p>Connector's view from crimp pins entry side</p>	<p>Connector's lateral view</p>	<p>1 - white 2 - brown 3 - green 4 - yellow</p> <p>AWG 24</p>													
<p>Cables description</p> <ul style="list-style-type: none"> - Cables length 1000 mm; - Stripped wires 5 mm; - One end with flying leads (20mm). 																

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		Title of document iPOS360x MBX6-CAN/CAT Cable Set PRODUCT DATA SHEET	N° document P028.040.C39x.MBX6-CAN-CAT.DSH.10A Page : 2 of 2	