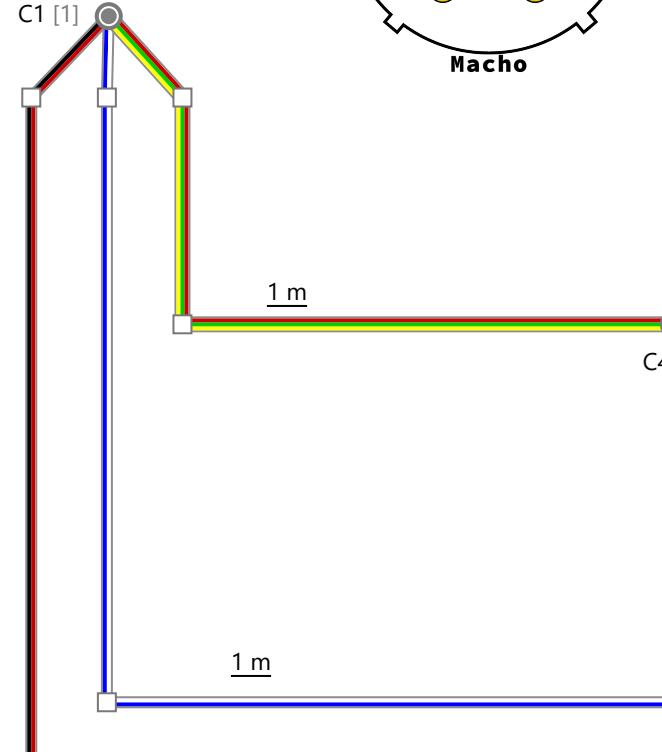
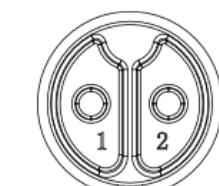


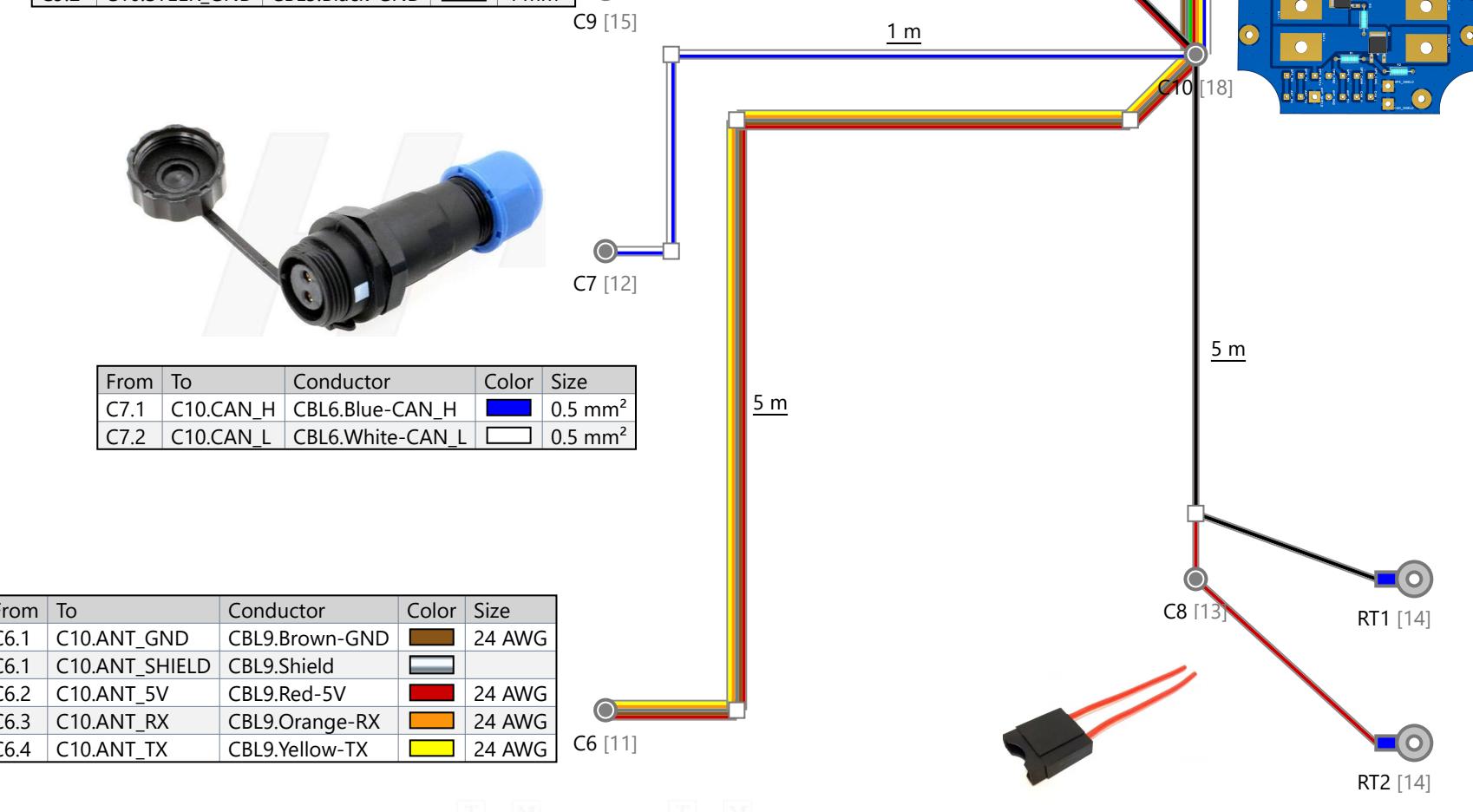
From	To	Conductor	Color	Size
C1.1	C2.1	CBL1.Red-VCC	Red	4 mm <sup>2</sup>
C1.2	C2.2	CBL1.Black-GND	Black	4 mm <sup>2</sup>
C1.3	C4.2	CBL3.Red-TX	Red	0.5 mm <sup>2</sup>
C1.4	C4.3	CBL3.Green-RX	Green	0.5 mm <sup>2</sup>
C1.5	C4.5	CBL3.Yellow-GND	Yellow	0.5 mm <sup>2</sup>
C1.6	C3.1	CBL2.Blue-CAN_H	Blue	0.5 mm <sup>2</sup>
C1.7	C3.2	CBL2.White-CAN_L	White	0.5 mm <sup>2</sup>

**Macho**

From	To	Conductor	Color	Size
C2.1	C1.1	CBL1.Red-VCC	Red	4 mm <sup>2</sup>
C2.2	C1.2	CBL1.Black-GND	Black	4 mm <sup>2</sup>

**Fêmea**

From	To	Conductor	Color	Size
C9.1	C10.STEER_VCC	CBL5.Red-VCC	Red	4 mm <sup>2</sup>
C9.2	C10.STEER_GND	CBL5.Black-GND	Black	4 mm <sup>2</sup>



GPS Piloto

From	To	Conductor	Color	Size
C8.1	C10.BAT+	CBL7.Red-VCC	Red	4 mm <sup>2</sup>
C8.2	RT2	CBL8.Red-VCC	Red	4 mm <sup>2</sup>

	Name	Date	rapidHARNESS
Drawn By	----	----	
Eng Approved	----	----	
Mfg Approved	----	----	
QA	----	----	

GPS Steering

Description

GPS Piloto

Revision

3

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<b>Title:</b>	----
<b>Part Number:</b>	GPS Piloto
<b>Description:</b>	

**rapidHARNESS**

Rev.	Date	Author	Description

<b>Title:</b>	----
<b>Part Number:</b>	GPS Piloto
<b>Description:</b>	

**rapidHARNESS**

Flag	Quantity	Note

<b>Title:</b>	----
<b>Part Number:</b>	GPS Piloto
<b>Description:</b>	

Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
1	Connector		SteeringMale		1	C1
2	Connector		YM-20 Male		1	C2
3	Cable		Power 2x4 mm		$\geq 7 \text{ m}$	CBL1, CBL5, CBL7
4	Cable		CAN Bus		2 m	CBL2, CBL6
5	Connector		SD13-2 Male		1	C3
6	Cable		Steering RS232		1 m	CBL3
7	Connector		DB9		1	C4
8	Connector		SP20 90		1	C5
10	Cable		GPS Steering		1 m	CBL4
11	Connector		SP21 Female		1	C6
12	Connector		SD13-2 Female		1	C7
13	Connector		Portafusivel		1	C8
14	Ring Terminal		Ring Terminal		2	RT1, RT2
15	Connector		YM-20 Female		1	C9
16	Cable		4mm Red			CBL8
17	Cable		Antenna		5 m	CBL9
18	Connector		Steering Joint		1	C10

<b>Title:</b>	----
<b>Part Number:</b>	GPS Piloto
<b>Description:</b>	

From	To	Conductor	Conductor PN	Twisted With	Size	Length	From Contact PN	Notes
C1.1	C2.1	CBL1.Red-VCC	Power 2x4 mm		4 mm <sup>2</sup>	1 m		
C1.2	C2.2	CBL1.Black-GND	Power 2x4 mm		4 mm <sup>2</sup>	1 m		
C1.3	C4.2	CBL3.Red-TX	Steering RS232		0.5 mm <sup>2</sup>	1 m		
C1.4	C4.3	CBL3.Green-RX	Steering RS232		0.5 mm <sup>2</sup>	1 m		
C1.5	C4.5	CBL3.Yellow-GND	Steering RS232		0.5 mm <sup>2</sup>	1 m		
C1.6	C3.1	CBL2.Blue-CAN_H	CAN Bus	White-CAN_L	0.5 mm <sup>2</sup>	1 m		
C1.7	C3.2	CBL2.White-CAN_L	CAN Bus	Blue-CAN_H	0.5 mm <sup>2</sup>	1 m		
C5.1	C10.GPS_5V	CBL4.Red-5V	GPS Steering		0.5 mm <sup>2</sup>	1 m		
C5.2	C10.GPS_RX	CBL4.Orange-RX	GPS Steering		0.5 mm <sup>2</sup>	1 m		
C5.3	C10.GPS_TX	CBL4.Yellow-TX	GPS Steering		0.5 mm <sup>2</sup>	1 m		
C5.4	C10.GPS_CANH	CBL4.Blue-CAN_H	GPS Steering		0.5 mm <sup>2</sup>	1 m		
C5.5	C10.GPS_GND	CBL4.Brown-GND	GPS Steering		0.5 mm <sup>2</sup>	1 m		
C5.5	C10.GPS_SHIELD	CBL4.Shield	GPS Steering			1 m		
C5.6	C10.GPS_CANL	CBL4.White-CAN_L	GPS Steering		0.5 mm <sup>2</sup>	1 m		
C5.7	C10.GPS_BAT+	CBL4.Green-VCC	GPS Steering		0.5 mm <sup>2</sup>	1 m		
C6.1	C10.ANT_GND	CBL9.Brown-GND	Antenna		24 AWG	5 m		
C6.1	C10.ANT_SHIELD	CBL9.Shield	Antenna			5 m		
C6.2	C10.ANT_5V	CBL9.Red-5V	Antenna		24 AWG	5 m		
C6.3	C10.ANT_RX	CBL9.Orange-RX	Antenna		24 AWG	5 m		
C6.4	C10.ANT_TX	CBL9.Yellow-TX	Antenna		24 AWG	5 m		
C7.1	C10.CAN_H	CBL6.Blue-CAN_H	CAN Bus	White-CAN_L	0.5 mm <sup>2</sup>	1 m		
C7.2	C10.CAN_L	CBL6.White-CAN_L	CAN Bus	Blue-CAN_H	0.5 mm <sup>2</sup>	1 m		
C8.1	C10.BAT+	CBL7.Red-VCC	Power 2x4 mm		4 mm <sup>2</sup>			
C8.2	RT2	CBL8.Red-VCC	4mm Red		4 mm <sup>2</sup>			
C9.1	C10.STEER_VCC	CBL5.Red-VCC	Power 2x4 mm		4 mm <sup>2</sup>	1 m		
C9.2	C10.STEER_GND	CBL5.Black-GND	Power 2x4 mm		4 mm <sup>2</sup>	1 m		
C10.CAN_SHIELD	C10.N/C	CBL6.Shield	CAN Bus			0 in		
RT1	C10.BAT-	CBL7.Black-GND	Power 2x4 mm		4 mm <sup>2</sup>	5 m		

<b>Title:</b>	----
<b>Part Number:</b>	GPS Piloto
<b>Description:</b>	

#	Type	Reference Designator	Manufacturer	Part Number	Color	Size	From Strip	To Strip	Length	Twisted With	Notes
1	Cable	CBL1		Power 2x4 mm	 Black	4 mm <sup>2</sup>			1 m	N/A	
2	Cable	CBL2		CAN Bus	 Black	0.5 mm <sup>2</sup>			1 m	N/A	
3	Cable	CBL3		Steering RS232	 Unspecified	0.5 mm <sup>2</sup>			1 m	N/A	
4	Cable	CBL4		GPS Steering	 Black	0.5 mm <sup>2</sup>			1 m	N/A	
5	Cable	CBL5		Power 2x4 mm	 Black	4 mm <sup>2</sup>			1 m	N/A	
6	Cable	CBL6		CAN Bus	 Black	0.5 mm <sup>2</sup>			1 m	N/A	
7	Cable	CBL7		Power 2x4 mm	 Black	4 mm <sup>2</sup>			≥ 5 m	N/A	
8	Cable	CBL8		4mm Red	 Red	4 mm <sup>2</sup>				N/A	
9	Cable	CBL9		Antenna	 White	24 AWG			5 m	N/A	

<b>Title:</b>	----
<b>Part Number:</b>	GPS Piloto
<b>Description:</b>	

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#	Manufacturer	Part Number	Description	Label Text