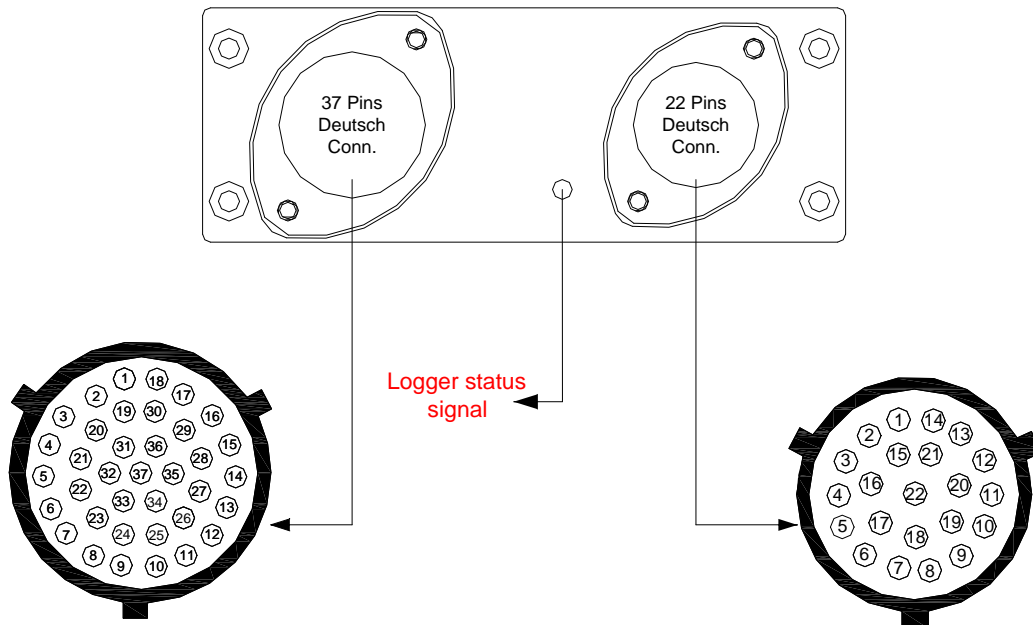


N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by
------------------	---------------------------	-------------	--------------	---------------------

## EVO3 Pro pinout




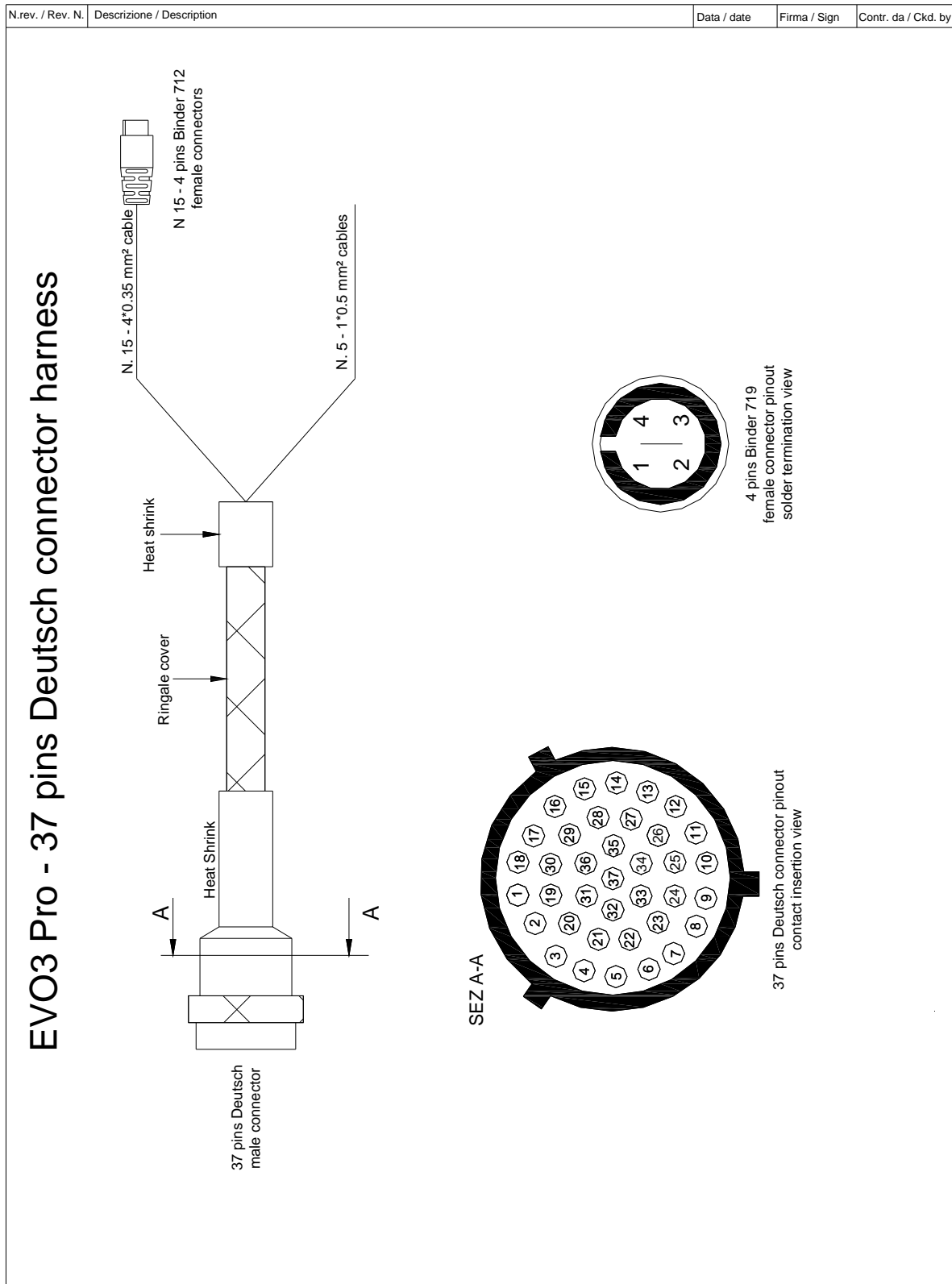

PIN	CONNECTION
1	+Vb ext
2	+Analog Input 1
3	+Analog Input 2
4	Analog GND
5	Analog GND
6	V reference 3
7	V reference 2
8	+Analog Input 3
9	+Analog Input 4
10	+Analog Input 6
11	Analog GND
12	RPM 4-8 V
13	Rpm in
14	+Vb
15	GND
16	+Vb
17	+Vb
18	GND
19	+Analog Input 11
20	+Analog Input 12
21	V reference 5
22	V reference 1
23	+Analog Input 10
24	V reference 6
25	+Analog Input 9
26	+Analog Input 8
27	Analog GND
28	GND
29	+Vb
30	Speed 1
31	Analog GND
32	+Analog Input 5
33	+Analog Input 7
34	V reference 3
35	Analog GND
36	Speed
37	Lap in


PIN	CONNECTION
1	+Vb
2	GND
3	CAN 0-
4	CAN 0+
5	Speed 2
6	Speed 3
7	D+
8	D-
9	GND
10	+Vb
11	GND
12	GND
13	+Vb CAN
14	Ext. Gear Flash
15	Not used
16	Not used
17	232 RX
18	232 TX
19	GND
20	CAN 1+
21	CAN 1-
22	Vb Ext.


### Logger state signalling

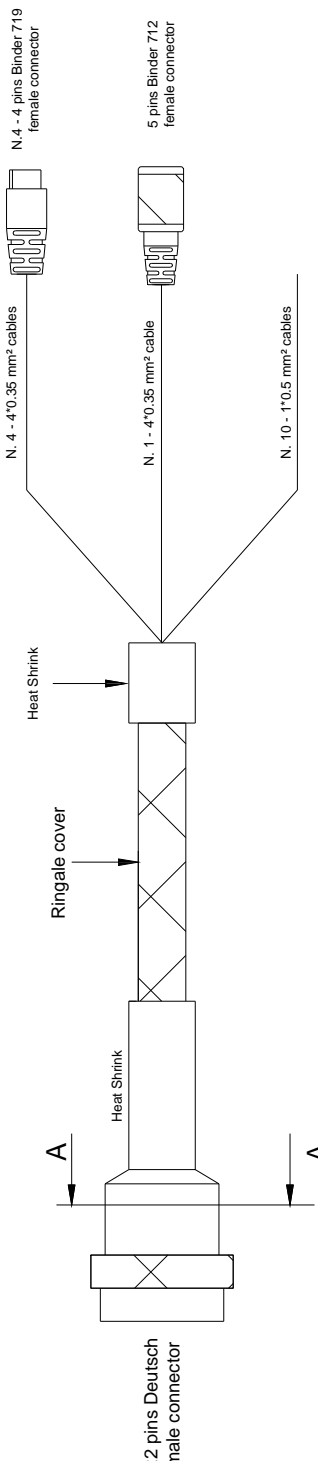

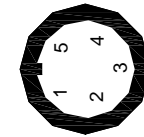
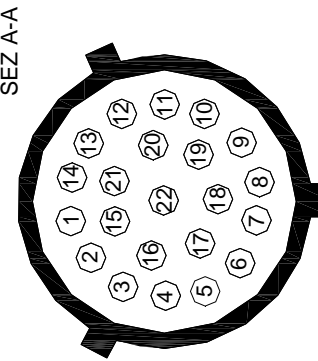

Led Status	Logger Status
Blinking 1 Hz	Waiting to record
On (not blinking)	Recording
Blinking 3 Hz	Logger status non ok

Rif. / Ref.	Q.tà / Q.ty	Materiale / Material	N. articolo / Item N.			
Progettato da / Designed by LI		Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale
		Titolo / Title Pinout EVO3 Pro				
		N. disegno / Drawing N.		Rev. / Rev.	Foglio / Sheet	
Racing Data Power				1	1 of 1	

N.rev. / Rev. N.		Descrizione / Description		Data / date	Firma / Sign	Contr. da / Ckd. by	
<h1 style="writing-mode: vertical-rl; transform: rotate(180deg);">EVO3 Pro - 37 pins Deutsch connector harness</h1>							
							
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material			N. articolo / Item N.		
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale		
LI							
		Titolo / Title					
		Cavo EVO3 Pro - Connettore Deutsch 37 pin					
N. disegno / Drawing N.		04.549.50		Rev. / Rev.	Foglio / Sheet		
				2	1 of 3		

N.rev. / Rev. N.		Descrizione / Description			Data / date	Firma / Sign	Contr. da / Ckd. by
<b>Table 1 - channels cabled with connectors</b>							
37 pins Deutsch connector pin	Cable colour	Destination connector	Destination Connector pin	Cable type	Lenght	Channel	
2 4 21	white black red bleu	Binder Channel 1	1 2 3 4	4x0.35 mm <sup>2</sup>	340 mm	Analog Input 1 GND  V Reference	
3 4 21	white black red bleu	Binder Channel 2	1 2 3 4	4x0.35 mm <sup>2</sup>	340 mm	Analog Input 2 GND  V Reference	
8 5 6	white black red bleu	Binder Channel 3	1 2 3 4	4x0.35 mm <sup>2</sup>	360 mm	Analog Input 3 GND  V Reference	
9 5 6	white black red bleu	Binder Channel 4	1 2 3 4	4x0.35 mm <sup>2</sup>	360 mm	Analog Input 4 GND  V Reference	
32 31 7	white black red bleu	Binder Channel 5	1 2 3 4	4x0.35 mm <sup>2</sup>	380 mm	Analog Input 5 GND  V Reference	
10 31 7	white black red bleu	Binder Channel 6	1 2 3 4	4x0.35 mm <sup>2</sup>	380 mm	Analog Input 6 GND  V Reference	
33 35 34	white black red bleu	Binder Channel 7	1 2 3 4	4x0.35 mm <sup>2</sup>	400 mm	Analog Input 7 GND  V Reference	
26 35 16 34	white black red bleu	Binder Channel 8	1 2 3 4	4x0.35 mm <sup>2</sup>	400 mm	Analog Input 8 GND V Battery V Reference	
25 11 16 24	white black red bleu	Binder Channel 9	1 2 3 4	4x0.35 mm <sup>2</sup>	420 mm	Analog Input 9 GND V Battery V Reference	
23 11 29 24	white black red bleu	Binder Channel 10	1 2 3 4	4x0.35 mm <sup>2</sup>	420 mm	Analog Input 10 GND V Battery V Reference	
19 27 29 22	white black red bleu	Binder Channel 11	1 2 3 4	4x0.35 mm <sup>2</sup>	440 mm	Analog Input 11 GND V Battery V Reference	
20 27 17 22	white black red bleu	Binder Channel 12	1 2 3 4	4x0.35 mm <sup>2</sup>	440 mm	Analog Input 12 GND V Battery V Reference	
37 28 14 37	white black red bleu	Binder Optic Lap	1 2 3 4	4x0.35 mm <sup>2</sup>	320 mm	Lap GND V Battery Lap	
36 28 14	white black red bleu	Binder Speed 1	1 2 3 4	4x0.35 mm <sup>2</sup>	320 mm	Speed 1 GND V Battery	
30 28 14	white black red bleu	Binder Speed 2	1 2 3 4	4x0.35 mm <sup>2</sup>	320 mm	Speed 2 GND V Battery	
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material			N. articolo / Item N.		
Progettato da / Designed by <b>LI</b>		Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale	
		Titolo / Title Cavo EVO3 Pro - connettore Deutsch 37 pin				N. disegno / Drawing N.	
		04.549.50		Rev. / Rev.	Foglio / Sheet		
Racing Data Power				<b>2</b>	<b>2 of 3</b>		


N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by																								
<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="6">Table of channels cabled without connector</th> </tr> <tr> <th>37 pin Deutsch connector</th> <th>Cable colour</th> <th>Not cabled channel</th> <th>Cable Type</th> <th>Lenght</th> <th>Channel</th> </tr> </thead> <tbody> <tr> <td>13 18 12</td> <td>white black bleu</td> <td>RPM</td> <td>1x0.5 mm<sup>2</sup> 1x0.5 mm<sup>2</sup> 1x0.5 mm<sup>2</sup></td> <td>520 mm</td> <td>RPM input GND RPM +8V</td> </tr> <tr> <td>15 1</td> <td>black red</td> <td>Power</td> <td>1x0.5 mm<sup>2</sup> 1x0.5 mm<sup>2</sup></td> <td>520 mm</td> <td>GND 9-15V power input</td> </tr> </tbody> </table>					Table of channels cabled without connector						37 pin Deutsch connector	Cable colour	Not cabled channel	Cable Type	Lenght	Channel	13 18 12	white black bleu	RPM	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	520 mm	RPM input GND RPM +8V	15 1	black red	Power	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	520 mm	GND 9-15V power input
Table of channels cabled without connector																												
37 pin Deutsch connector	Cable colour	Not cabled channel	Cable Type	Lenght	Channel																							
13 18 12	white black bleu	RPM	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	520 mm	RPM input GND RPM +8V																							
15 1	black red	Power	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	520 mm	GND 9-15V power input																							
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.																								
Progettato da / Designed by LI		Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale																						
		Titolo / Title Cavo EVO3 Pro - connettore Deutsch 37 pin																										
		N. disegno / Drawing N. 04.549.50		Rev. / Rev. 2	Foglio / Sheet 3 of 3																							

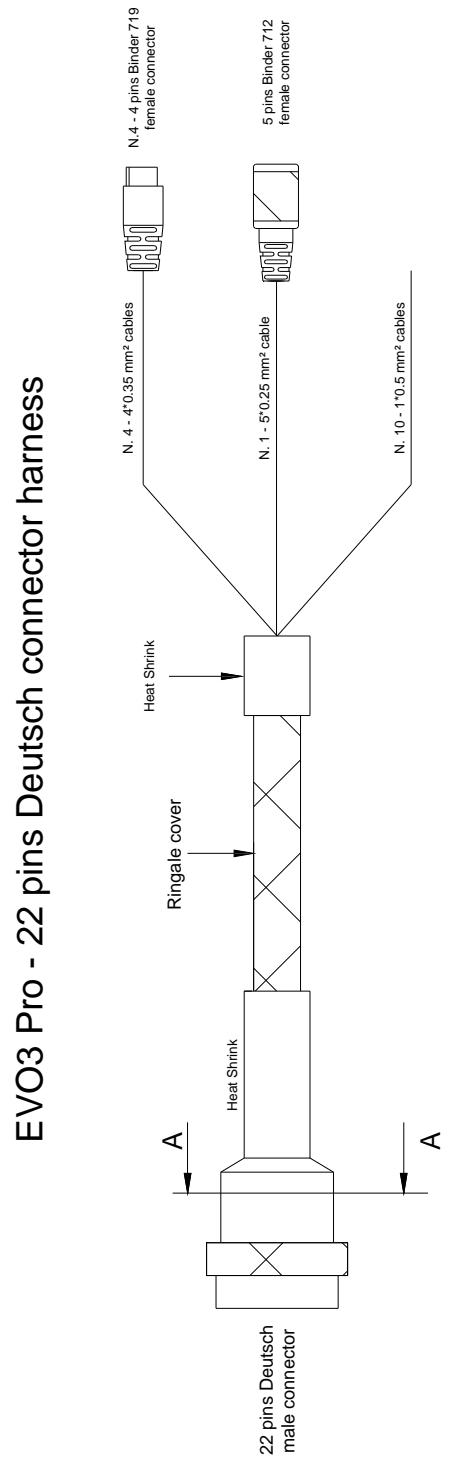
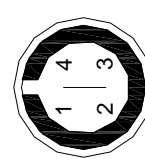
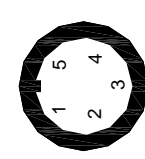
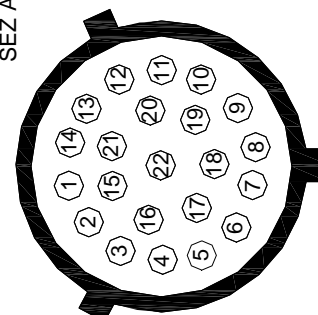

N.rev. / Rev. N.		Descrizione / Description		Data / date	Firma / Sign	Contr. da / Ckd. by	
<p><b>EVO3 Pro - 22 pins Deutsch connector harness</b></p> 							
				 <p>4 pins Binder 719 female connector pinout Solder termination view</p>			
				 <p>5 pins Binder 712 female connector pinout Solder termination view</p>			
				 <p>SEZ A-A 22 pins Deutsch male connector pinout Contact insertion view</p>			
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.			
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale		
LI							
		Titolo / Title					
		Cavo EVO3 Pro - Connettore Deutsch 22 pin					
		N. disegno / Drawing N.		Rev. / Rev.	Foglio / Sheet		
		04.549.53		5	1 of 2		

N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by
------------------	---------------------------	-------------	--------------	---------------------

Table 1 - Channels cabled with connectors							
22 pins Deutsch connector pin	Cable colour	Destination connector	Destination connector pin	Cable type	Lenght	Channel	Label
7 9 8 n.c.	white black red bleu	Binder USB	1 2 3 4	4x0.35 mm <sup>2</sup>	1100 mm	USB D+ GND USB D-	USB
5 11 10 n.c.	white black red bleu	Binder Speed 3	1 2 3 4	4x0.35 mm <sup>2</sup>	300 mm	Speed 3 GND V battery	Speed 3
6 11 10 n.c.	white black red bleu	Binder Speed 4	1 2 3 4	4x0.35 mm <sup>2</sup>	300 mm	Speed 4 GND V battery	Speed 4
4 2 13 3	white black red bleu	Binder Exp.	1 2 3 4	4x0.35 mm <sup>2</sup>	350 mm	CAN 0+ GND V battery CAN 0-	Exp.
14 2 14 1	white black bleu red	Binder gear flash	1 2 3 4	4x0.35 mm <sup>2</sup>	350 mm	Gear flash GND gear flash V battery	Gear flash

Table 2 - Channels cabled without connector					
22 pins Deutsch connector pin	Cable colour	Not cabled channel	Cable type	Lenght	Channel
15 12	white black	Digit input 1 (not used)	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	550 mm	IN 1 GND
16 12	yellow black	Digit input 1 (not used)	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	550 mm	IN 2 GND
20 19 21	white black bleu	CAN	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	550 mm	CAN 1+ GND CAN 1-
17 19 18	white black bleu	RS232	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	550 mm	RS232 RX GND RS232 TX

Rif. / Ref.	Q.tà / Q.ty	Materiale / Material			N. articolo / Item N.	
Progettato da / Designed by LI		Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale
		Titolo / Title EVO3 Pro cavo connettore Deutsch 22 pin				
		N. disegno / Drawing N. 04.549.53			Rev. / Rev. 5	Foglio / Sheet 2 of 2

N.rev. / Rev. N.		Descrizione / Description		Data / date	Firma / Sign	Contr. da / Ckd. by	
<p><b>EVO3 Pro - 22 pins Deutsch connector harness</b></p> 							
				 <p>4 pins Binder 719 female connector pinout Solder termination view</p>			
				 <p>5 pins Binder 712 female connector pinout Solder termination view</p>			
				<p>SEZ A-A</p>  <p>22 pins Deutsch male connector pinout Contact insertion view</p>			
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.			
Progettato da / Designed by	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale		
LI							
		Titolo / Title					
		Cavo EVO3 Pro - Connettore Deutsch 22 pin					
		N. disegno / Drawing N.		Rev. / Rev.	Foglio / Sheet		
		04.549.53/A			1 of 2		


N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by
------------------	---------------------------	-------------	--------------	---------------------

**Table 1 - Channels cabled with connectors**

22 pins Deutsch connector pin	Cable colour	Destination connector	Destination connector pin	Cable type	Lenght	Channel	Label
7 9 8 n.c.	white black red bleu	Binder USB	1 2 3 4	4x0.35 mm <sup>2</sup>	1100 mm	USB D+ GND USB D-	USB
5 11 10 n.c.	white black red bleu	Binder Speed 3	1 2 3 4	4x0.35 mm <sup>2</sup>	300 mm	Speed 3 GND V battery	Speed 3
6 11 10 n.c.	white black red bleu	Binder Speed 4	1 2 3 4	4x0.35 mm <sup>2</sup>	300 mm	Speed 4 GND V battery	Speed 4
4 2 13 3 22	white black red bleu orange	Binder Exp.	1 2 3 4 5	5x0.25 mm <sup>2</sup>	350 mm	CAN 0+ GND V battery CAN 0- +Vb ext.	Exp.
14 2 14 1	white black bleu red	Binder gear flash	1 2 3 4	4x0.35 mm <sup>2</sup>	350 mm	Gear flash GND gear flash V battery	Gear flash

**Table 2 - Channels cabled without connector**

22 pins Deutsch connector pin	Cable colour	Not cabled channel	Cable type	Lenght	Channel
15 12	white black	Digit input 1	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	550 mm	IN 1 GND
16 12	yellow black	Digit input 1	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	550 mm	IN 2 GND
20 19 21	white black bleu	CAN	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup> 1x0.5mm <sup>2</sup>	550 mm	CAN 1+ GND CAN 1-
17 19 18	white black bleu	RS232	1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup> 1x0.5 mm <sup>2</sup>	550 mm	RS232 RX GND RS232 TX

Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.		
Progettato da / Designed by LI		Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale
 Racing Data Power		Titolo / Title EVO3 Pro cavo connettore Deutsch 22 pin				
		N. disegno / Drawing N. 04.549.53		Rev. / Rev.	Foglio / Sheet 2 of 2	



