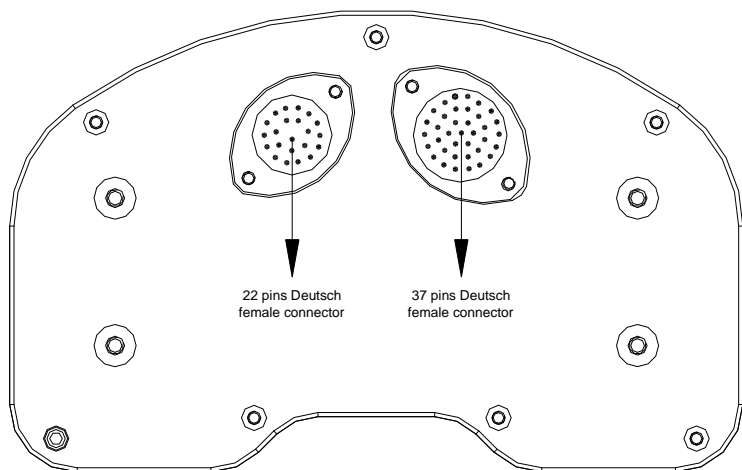



N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by
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## MXL Pro05 pinout



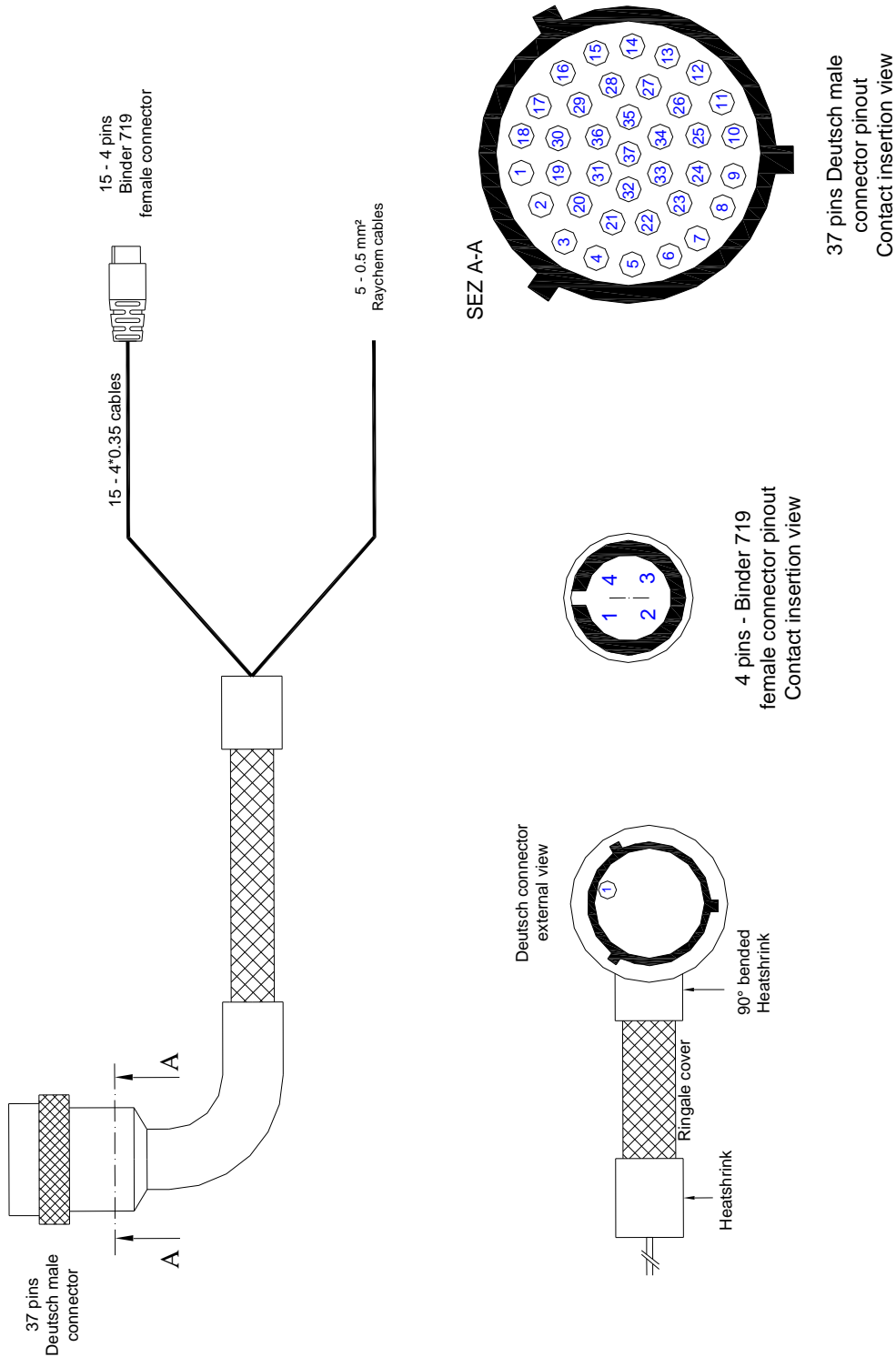
22 pins Deutsch female connector pinout	
Pin	Function
1	+VB
2	GND
3	CAN 0+ for expansion modules
4	CAN 0- for expansion modules
5	Speed 3
6	Speed 4
7	USB D+
8	USB D-
9	GND
10	+VB
11	GND
12	GND
13	+VB
14	MEM
15	VIEW
16	Gear Flash
17	RS232RX for ECU interface
18	RS232TX for ECU interface
19	GND
20	CAN 1+ for expansion modules
21	CAN1- for expansion modules
22	n.c.


22 pins Deutsch female connector pinout	
Pin	Function
1	9-15 V external power
2	Analog input 1
3	Analog input 2
4	Analog GND
5	Analog GND
6	V Reference
7	V Reference
8	Analog input 3
9	Analog input 4
10	Analog input 6
11	Analog GND
12	RPM square wave (>5V)
13	RPM coil input
14	+VB
15	GND
16	+VB
17	+VB
18	GND
19	Analog input 11
20	Analog input 12
21	V Reference
22	V Reference
23	Analog input 10
24	V Reference
25	Analog input 9
26	Analog input 8
27	Analog GND
28	GND
29	+VB
30	Speed 2
31	Analog GND
32	Analog input 5
33	Analog input 7
34	V Reference
35	Analog GND
36	Speed 1
37	Optical lap

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
L.I.				
		Titolo / Title		
		Pinout MXL Pro05		
N. disegno / Drawing N.			Rev. / Rev.	Foglio / Sheet
				<b>1 of 1</b>

N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by
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# MXL Pro05 cable - 37 pins Deutsch connector




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
L.I.					
		Titolo / Title Cavo MXL Pro05 - connettore Deutsch 37 pin			
		N. disegno / Drawing N. 04.554.20		Rev. / Rev.	Foglio / Sheet 1 of 3

N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by
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## Table of channels cabled with Binder 719

Channel	Binder pin	Cable colour	Deutsch pin	Connection	Lenght
Ch. 1	1	White	2	+ Analog input 1 Analog GND	340 mm
	2	Black	4		
	3	Red			
	4	Blue	21	+ V reference	
Ch. 2	1	White	3	+ Analog input 2 Analog GND	340 mm
	2	Black	4		
	3	Red			
	4	Blue	21	+ V reference	
Ch. 3	1	White	8	+ Analog input 3 Analog GND	360 mm
	2	Black	5		
	3	Red			
	4	Blue	6	+ V reference	
Ch. 4	1	White	9	+ Analog input 4 Analog GND	360 mm
	2	Black	5		
	3	Red			
	4	Blue	6	+ V reference	
Ch. 5	1	White	32	+ Analog input 5 Analog GND	380 mm
	2	Black	31		
	3	Red			
	4	Blue	7	+ V reference	
Ch. 6	1	White	10	+ Analog input 6 Analog GND	380 mm
	2	Black	31		
	3	Red			
	4	Blue	7	+ V reference	
Ch. 7	1	White	33	+ Analog input 7 Analog GND	400 mm
	2	Black	35		
	3	Red			
	4	Blue	34	+ V reference	
Ch. 8	1	White	36	+ Analog input 8 Analog GND	400 mm
	2	Black	35		
	3	Red	16		
	4	Blue	34	+ V reference	
Ch. 9	1	White	25	+ Analog input 9 Analog GND	420 mm
	2	Black	11		
	3	Red	16	+VB	
	4	Blue	24	+ V reference	
Ch. 10	1	White	23	+ Analog input 10 Analog GND	420 mm
	2	Black	11		
	3	Red	29	+VB	
	4	Blue	24	+ V reference	
Ch. 11	1	White	19	+ Analog input 11 Analog GND	440 mm
	2	Black	27		
	3	Red	29	+VB	
	4	Blue	22	+ V reference	
Ch. 12/ Gear	1	White	20	+ Analog input 12 Analog GND	440 mm
	2	Black	27		
	3	Red			
	4	Blue	22	+ V reference	

Rif. / Ref.	Q.tà / Q.ty	Materiale / Material	N. articolo / Item N.			
Progettato da / Designed by <b>L.I.</b>		Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale
 <b>Racing Data Power</b>		Titolo / Title <b>Cavo MXL Pro05 - Connettore Deutsch 37 pin</b>				
		N. disegno / Drawing N. <b>04.554.20</b>		Rev. / Rev.	Foglio / Sheet <b>2 of 3</b>	


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## Channels cabled with Binder 719 Continuation table of sheet 2

Channel	Binder pin	Cable colour	Deutsch pin	Connection	Lenght
Lap	1	white	37	Lap in	320 mm
	2	black	28	GND	
	3	red	14	+ VB	
	4	blue	37	Lap in	
Speed 1	1	white	36	Speed 1	320 mm
	2	black	28	GND	
	3	red	14	+ VB	
	4	n.c.			
Speed 2	1	white	30	Speed 2	320 mm
	2	black	28	GND	
	3	red	14	+ VB	
	4	n.c.			

## Table of not cabled channels

Not cabled channels	Cable colour	Deutsch pin	Connection	Lenght
RPM	white	13	RPM Coil	520 mm
	black	18	GND	
	blue	12	Square wave >5 V	
Power	black	15	GND	520 mm
	red	1	9-15 V Power IN	

Rif. / Ref.	Q.tà / Q.ty	Materiale / Material		N. articolo / Item N.		
Progettato da / Designed by L.I.		Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale
 Racing Data Power		Titolo / Title Cavo MXL Pro05 - Connettore Deutsch 37 pin				
		N. disegno / Drawing N. 04.554.20			Rev. / Rev.	Foglio / Sheet 3 of 3

N.rev. / Rev. N.	Descrizione / Description	Data / date	Firma / Sign	Contr. da / Ckd. by		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <h2 style="writing-mode: vertical-rl; transform: rotate(180deg);">MXL Pro05 cable - 22 pins Deutsch connector</h2> </div> <div style="width: 50%;"> <p>SEZ A-A</p> <p>37 pins Deutsch male connector pinout contact insertion view</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>4 pins Binder 719 female connector pinout Solder termination view</p> </div> <div style="text-align: center;"> <p>5 pin Binder 712 female connector pinout solder termination view</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>Deutsch connector: external view</p> </div> <div style="text-align: center;"> <p>90° bended Heat shrink Ringale cover Heat shrink</p> </div> </div>						
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material	N. articolo / Item N.			
Progettato da / Designed by L.I.		Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale
		Titolo / Title Cavo MXL Pro05 - Connettore Deutsch 22 pin				
		N. disegno / Drawing N.	04.554.24	Rev. / Rev.	Foglio / Sheet 1 of 2	

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## Channels ending with Binder 719


Channel	Binder Pin	Cable colour	Deutsch pin	Connection	Lenght
USB	1	white	7	USB D+ GND USB D-	1100 mm
	2	black	9		
	3	red	8		
	4	n.c.			
Speed 3	1	white	5	Speed 3 GND + VB	300 mm
	2	black	11		
	3	red	10		
	4	n.c.			
Speed 4	1	white	6	Speed 4 GND + VB	300 mm
	2	black	11		
	3	red	10		
	4	n.c.			

## Channel ending with Binder 712

Channel	Binder pin	Cable colour	Deutsch pin	Connection	Lenght
Expansion	1	white	3	CAN 0+ GND + VB CAN 0- NC	350 mm
	2	black	2		
	3	red	13		
	4	blue	4		
	5	blue			

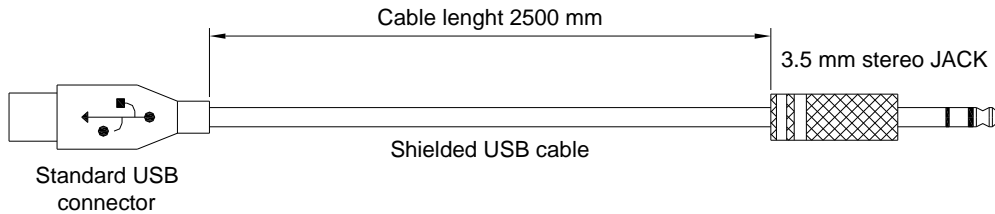
## Not cabled channels table

Not cabled Channels	Cable colour	Deutsch pin	Connection	Lenght
Keyboard	white	14	MEM GND VIEW	550 mm
	black	12		
	blue	15		
CAN	white	20	CAN + GND CAN -	550 mm
	black	19		
	blue	21		
RS 232	white	17	RS 232 RX GND RS 232 TX	550 mm
	black	19		
	blue	18		

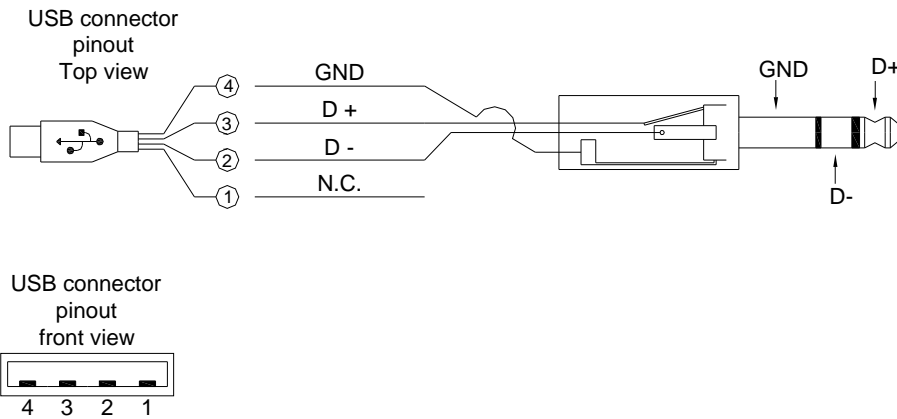
Rif. / Ref.	Q.tà / Q.ty	Materiale / Material	N. articolo / Item N.		
Progettato da / Designed by <b>L.I</b>	Contr. da / Ckd. by	Approvato da / Approved by	Nome file / File name	Data / Date	Scala / Scale
 Racing Data Power		Titolo / Title Cavo MXL Pro05 - Connettore Deutsch 22 pin			
		N. disegno / Drawing N. 04.554.24		Rev. / Rev.	Foglio / Sheet <b>2 of 2</b>


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## USB cable for data download - 3.5 mm stereo Jack



## Pin connection



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
		Titolo / Title		
		Cavo USB per scarico dati - Jack da 3.5 mm stereo		
N. disegno / Drawing N.		04.554.30	Rev. / Rev.	Foglio / Sheet
				<b>1 of 1</b>