

DI-Dash_6/8_2C-000
BigDash display basic in 2nd generation 2CAN

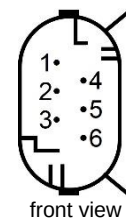
Features:

Based on newest COG technology (chip on glass) the well-known 2D HQ Dashboard is coming in next generation as a stand-alone unit with additional input channels.

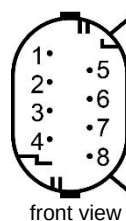
- New glass design for better information with bigger dot-matrix area
- Reduced weight improved reliability by COG technology
- A graphic display with 132x64 dots can be used to show any channel or to display warning messages (indicating low oil pressure, high water temperature and low battery voltage)
- 64 segment rev-counter in graph style with user definable, non-linear range. Show gear position, number of laps, running down qualifying time. Update rate is 100 Hz.
- Extra warning light on the side of the dashboard
- 2 independent external CAN-lines
- Online calculation channels
- Adjustable brightness of LEDs
- Full temperature range -20°C to 85°C
- Temperature controlled contrast
- Usable as standalone display unit
- Programmable via CAN-bus

Connector layout
Connector type
6 pin OEM connector

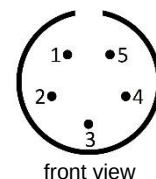
Pin	Name	Description
1	CAN 2 H	CAN 2 High
2	CAN 2 L	CAN 2 Low
3	Vext (KL30)	External power supply
4	BGND	Board ground
5	Button (digital/TTL)	Digital input with TTL switching threshold (used for switching the pages)
6	BGND	Board ground


8 pin OEM connector

Pin	Name	Description
1	CAN 1 H	CAN 1 High
2	CAN 1 L	CAN 1 Low
3	+12V (diode)	Sensor supply (max. 20mA)
4	GND	Ground
5	4k7@5V	Analog supply (5V power supply/4.7kΩ hard-wired)
6	GND	Ground
7	AIN1 (4k7@5V)	Analog input with 4.7kΩ pull-up to 5V (predefined per software for event function LAP). → also usable as analog input with 4.7kΩ pull-up for NTC measurements
8	AIN2 (0-5V)	Analog input 2 (0-5V)


Serial connector, Binder 719, 5PM

Pin	Name	Description
1	RxD	Serial bus receive
2	TxD	Serial bus transmit
3	GND	Ground
4	n.c.	Not connected
5	n.c.	Not connected



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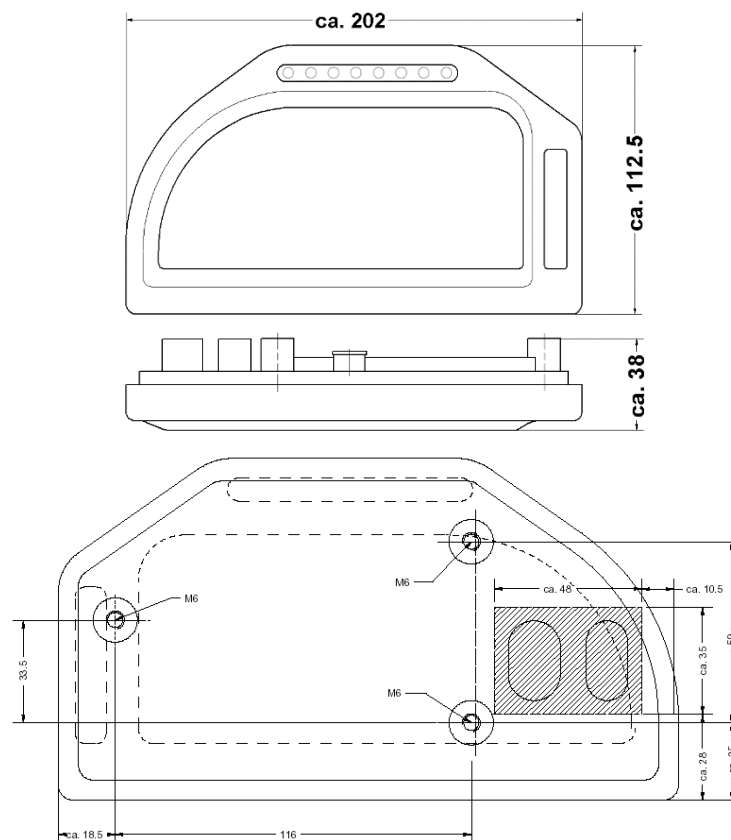
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BigDash display basic in 2nd generation 2CAN

Technical specifications

Electrical characteristics			Communication	
Power supply	V	9-15	CAN lines	2
Current consumption:				
Shift LED + background lighting off	mA	150	Channels	
Shift LED + background lighting on	mA	340	Calc	16
Shift LED + background lighting + warning light	mA	500	CAN	48
Graphic display	dots	132x64	Analog	5 (3 ext. + 2 int.)
			Alarm	32
			Output pages	3
			Channels per page	12/12/18
			Programmable shift LEDs	8
			Programmable alarm LEDs	5
			LCD graphic bar (64 segments)	1
Mechanical				
Dimensions	mm ³	202x112.5x38		
Weight	g	420		
Housing material		PVC, carbon cover		
Connector			Options	
6pin OEM connector		1	Connection loom	WL-DI6_8_2C-000
8pin OEM connector		1		
Serial connector (Binder 719, 5PM)		1		
Environmental			Ordering information	
Operating temperature	°C	-20 to +85	DI-Dash_6/8_2C-000	
Humidity	%	5-95	⇒ Display with 6/8 pin OEM connector and 2 CAN	
			DI-Dash_6/8_2C_endurance-000	
			⇒ Display with 6/8 pin OEM connector and 2 CAN + endurance mode for lap- & pit-timing + 6/8 Pin OEM connector set	

Dimensions



Mounting advice:

The shaded square (in the upper illustration) shows the location of the rear plugs at the back side of the housing. It should be paid attention to keep this "shaded square" free.