

LDS4



A fully configurable driver dash-display using high brightness LED Backlit TFT display technology with 24 display pages. Fitted with AS Connectors.

Specifications

Parameter	Value
Operating Voltage	7V to 18V
Power Consumption	At 12V: <0.6A (For a typical screen layout)
Display	LED Backlit TFT with anti-reflective filter 4.3" widescreen, 480 x 272 pixel resolution, true colour
Inputs	
6 Analogue Inputs *	0-5V 12bit
2 Speed Inputs *	Hall Effect Type
1 Beacon Input	Pull to ground to trigger
Outputs	
1 Low side driver	
Communications	
CAN	CAN2.0, user configurable baud rate
RS232 Receive	GPS/ECU Datastream (Serial Transmit Build Option)
Data Logging	200Mbyte, configurable log rates up to 1kHz per channel.
Connectors	2 x Autosport Double Density
Casing	Anodised Aluminium
Size	124mm x 74mm x 32mm
Weight	254g

Connectors

ID	Connector	Loom/Mating Connector
1	AS-DD006-09PN-HE	AS-DD606-09SN-HE
2	AS-DD006-09SN-HE	AS-DD606-09PN-HE

Pin Out

Connector 1		
Pin	Name	Function/Notes
1	+12V	+ 12 V Power
2	CAN_H	CAN High
3	USB-	USB -
4	USB_PWR	USB Power
5	Beacon	Beacon Input
6	0V PWR	0 V Power
7	CAN_L	CAN Low
8	USB+	USB +
9	USB_GND	USB or Sensor Ground

Connector 2				
Pin	Name	Function	Software Name	Pullup
1	5V PWR	5V Sensor Power		
2	Speed1 / AN7	Speed Input 1 / Analogue Input 7 / Co-driver Up/Down *	Speed 1 Raw / A6 Raw	1K0
3	AN2	Analogue Input 2	A1 Raw	470K
4	AN4/ Serial Rx	Analogue Input 4 / Serial Datastream receive *	A3 Raw	22K
5	Low Side Driver	Low Side Driver		
6	GND	Sensor Ground		
7	Speed2 / AN8	Speed Input 2 / Analogue Input 8 / Co-driver Reset/Mode *	Speed 2 Raw / A7 Raw	1K0
8	AN1	Analogue Input 1 / Page Select Switch *	A0 Raw / Screen Selector	1K0
9	AN3	Analogue Input 3	A2 Raw	470K

* Function is dependant on usage. For example on pin 2, if a speed sensor is connected, input will act as a speed input, if an analogue signal is connected, input will act as an analogue input.

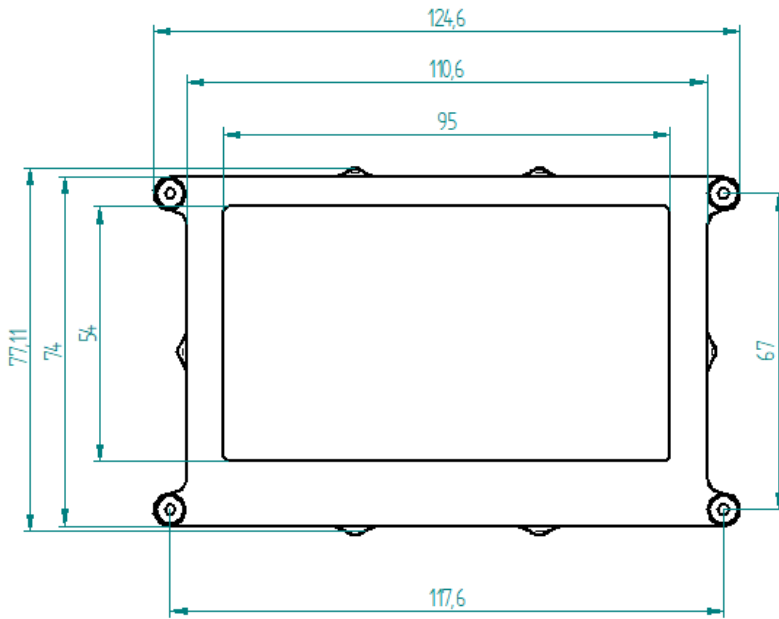
Co-Driver Functionality Notes:

Up	Connector 2 pin 2 1K resistor pull to ground
Down	Connector 2 pin 2 pull to ground
Reset	Connector 2 pin 7 pull to ground
Mode	Connector 2 pin 7 1K resistor pull to ground

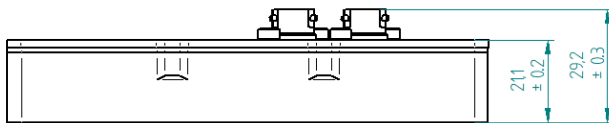
For further detail on the usage of these functions see the LDS4 editor manual.

Dimensions

Front



Side



Rear

