

CD6-43 / CD6-50 Technical Specification



A fully configurable driver dash-display using high brightness IPS LED Backlit TFT display. Available with 4.3 and 5.0 inch screen options.

Specifications

Parameter	Value
Operating Voltage	7V to 18V
Power Consumption	At 12V: TBD
Display	IPS TFT with anti-glare filter. 800x480 pixels, true colour. Available in 4.3 inch and 5.0 inch (diagonal) sizes.
Brightness	800 cd/m ²
Contrast Ratio	1000:1
Inputs - External	
7 Analogue Inputs	0-5V 12bit
4 Speed Inputs	Hall Effect Type
2 Camera Inputs	SDTV CVBS (Composite), PAL or NTSC
2 Button Inputs	Active low
1 Beacon Input	Pull to ground to trigger
1 Ambient Light Sensor	
Inputs - Internal	
1 Supply Voltage	
4 Internal supply monitoring	
1 Internal Temperature	
1 Processor Temperature	
1 RTC	
1 Internal G-sensor	6 axis inertial measurement unit
Outputs	
4 Low side drivers	
10 Tri Colour LEDs	
1 5V Sensor Supply	
Communications	

2 CAN/ CAN-FD	CAN2.0, CAN-FD, user configurable baud rate and data rate. Software selectable termination
1 100 BASE-TX Ethernet	For configuration, log download and XCP-Ethernet communication
RS232	GPS/ECU data-stream, bi-directional
1 USB 2.0	For configuration, log download
Data Logging	256Mbyte, configurable log rates up to 1kHz per channel.
Connectors	1 x ASDD212-41PN Autosport Double Density
Casing	Anodised Aluminium
Size	TBD
Weight	TBD

Connectors

ID	Connector	Loom/Mating Connector
1	AS-DD212-41PN-975A	AS-DD612-41SN

Pin Out

Connector	1	
Pin	Name	Function/Notes
1	+12V	12V Power Supply
2	+12V	12V Power Supply
3	USB DM	
4	USB DP	
5	USB VBUS	
6	USB GND	
7	CAN1 H	
8	CAN1 L	
9	CAN2 H	
10	CAN2 L	
11	Beacon	Active Low
12	Serial Rx	5V level
13	Serial Tx	5V level
14	5V Sensor Supply	
15	Analogue Ground	
16	Analogue 1	
17	Analogue 2	
18	Analogue 3	
19	Analogue 4	
20	Analogue 5	
21	Analogue 6	
22	Analogue 7	
23	Low side driver 1	
24	Ethernet RXP	
25	Ethernet RXN	
26	Ethernet TXP	
27	Ethernet TXN	
28	Low side driver 2	
29	Low side driver 3	
30	Low side driver 4	
31	Speed Input 1	
32	Speed Input 2	
33	Speed Input 3	
34	Speed Input 4	
35	Button 1	
36	Button 2	
37	Video2 In+	
38	Video2 In-	
39	Video1 In+	

40	Video1 In-	
41	GND	

TBC