

DPS70

Display Panel Standard, 7.0" Touchscreen



General	
Weight	1.45 kg
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +85°C
Electrical	
System Voltage	12 V and 24 V
Operating Voltage	9 V to 32 V
Minimum Cranking Voltage	7 V
Communication	
CAN channels (SAE J1939)	2 standard, 1 optional
USB	2 (1 Host, 1 Device)
Ethernet	1
RS232	1
Inputs/Outputs	
Digital Inputs	9
Analog Inputs	10
Frequency Inputs	2
Video Inputs	5 PAL/NTSC, display 4 simultaneously
High Side Outputs	2
Sensor Supply Outputs	1 (5 V)
Audio Outputs	1 internal buzzer, 110 dB at 10 cm, 3400 Hz
Real Time Clock	Battery backup
Mechanical	
Enclosure Material	PC/ABS, custom colors available on request
Display Material	Hardened glass bonded to LCD, scratch resistant
Connectors	
Type	2 x 20 pins (Molex MX150) 1 USB type A (Host) 1 USB type B (Device) 1 RJ45 (10/100 Ethernet) 5 BNC (video camera inputs)
Mounting Method	Panel mounted using 6 screws, #8-32 (Customer supplied bezel)



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Display	
LCD	TFT, 7.0" (179 mm), 16:9 aspect ratio
Pixels	800 x 480
Status LEDs (Telltails)	26
Gauges	4 stepper motor
Interface	
Touchscreen	Yes (capacitive touch)
Software	
Operating System	Linux
Application Software	Qt/QML software can be developed by OEM or Parker
Environment	
Humidity (soak)	SAE J1226 FEB83 section 9.6.1
Humidity (cyclic)	ANSI/ASAE EP455 DEC1990 (R2008) section 5.13.1
Dust/Water Ingress Protection	Front IPX9K
Shock	SAE J1226 FEB83 section 9.9
Random Vibration	BS EN7691:1994 section 6.6.1 severity level 1
ESD	ISO 10605:2008 section 8.3 and 8.4
EMC	
Susceptibility	ANSI/ASAE EP455 DEC1990 (R2008) section 5.16.1 (with deviation)
Emissions	ISO 14982:1998, Figures A.5 and A.6

Dimensions

