

# John Deere Integrated Displays

## Summary

John Deere Electronics fixed segment and reconfigurable displays offer a variety of resolutions and control options to meet your specialized requirements. Our displays are designed to interface to the vehicle through industry standard communications protocols, including CAN and Ethernet. Contact us at [JohnDeere.com/Electronics](http://JohnDeere.com/Electronics) to discuss display options for your project.

## Features

- Readable in sunlight
- Operates in extreme environments
- Screen size options

- Touchscreen and analog gauges
- Custom tailored LCD's and icon artwork for analog gauges



Operational	DF3-L	DF4.6L	DR5-L	DR7-L	DR7-P
System Voltage	12VDC (9-16 VDC)	12VDC (9-16 VDC)	12V or 24 VDC systems (9-32 VDC)	12V or 24 VDC systems (9-32 VDC)	12V or 24 VDC systems (9-32 VDC)

### Communications and I/O

Network Communications	J1939 CAN/BLE option	J1939 CAN	J1939 CAN	J1939 CAN	J1939 CAN
Video Input	0	0	1-NTSC/PAL	2-NTSC/PAL	2-NTSC/PAL
Input (Digital)	10	19	0	0	0
Input (Analog)	1	2	0	0	0
Input (Frequency)	0	3	0	0	0
Alarm	0	0	Alarm Driver Output	Alarm Driver Output	Alarm Driver Output
Output	5	9	Wake Output	Wake Output	Wake Output
Mating Connector	1-Molex MX150 20 pin connector part number 334722001	2-Molex MX150 20 pin connector part number 334722001	1-Delphi GT150 Sealed Series 14 pin connector Delphi P/N 15326856	1-Delphi GT150 Sealed Series 14 pin connector Delphi P/N 15326856	1-Delphi GT150 Sealed Series 14 pin connector Delphi P/N 15326856

### HMI Specifications

Telltale Icons	3	11	0	0	0
User Interface	0	2 buttons	6 buttons	6 buttons	0
Segment Count/Resolution	80 segments	120 segment	800x480 (WVGA)	800x480 (WVGA)	800x480 (WVGA)
Luminance	Multiple options	500 nits	700 nits	700 nits	700 nits

### Environmental

Operating Temperature	-30°C to 70°C	-30°C to 70°C	-30°C to 70°C	-30°C to 70°C	-30°C to 70°C
Storage Temperature	- 40°C to 85°C	- 40°C to 85°C	- 40°C to 85°C	- 40°C to 85°C	- 40°C to 85°C
Operating Humidity	0-95% at less/equal to 40°C	0-95% at less/equal to 40°C	0-95% at less/equal to 40°C	0-95% at less/equal to 40°C	0-95% at less/equal to 40°C
Electrostatic Discharge	8kV contact discharge	8kV contact discharge	8kV contact discharge	8kV contact discharge	8kV contact discharge
EMC Immunity	200 mA BCI from 500 kHz to 400 MHz and 100 V/m from 400 MHz-Ghz	200 mA BCI from 500 kHz to 400 MHz and 100 V/m from 400 MHz-Ghz	200 mA BCI from 500 kHz to 400 MHz and 100 V/m from 400 MHz-Ghz	200 mA BCI from 500 kHz to 400 MHz and 100 V/m from 400 MHz-Ghz	200 mA BCI from 500 kHz to 400 MHz and 100 V/m from 400 MHz-Ghz
EMC Emissions	Meets ISO 14982	Meets ISO 14982	Meets ISO 14982	Meets ISO 14982	Meets ISO 14982



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