DELTA SYSTEMS

7” TFT Touchscreen Display

Model Series 2073

- Provides an intuitive and interactive user experience
- Consolidates multiple gauges/meters into a single device
- 1000 Nits display is readable in direct sunlight
- Capacitive touchscreen works with most gloves
- Sealed to IP67 per IEC 60529
- Supports SAE J1939 and CAN Open protocols
- RoHS, REACH and Conflict Mineral compliant

OPERATION

Delta Systems’ 7" Touchscreen Display provides an operator-focused dashboard that keeps them in command with the efficiency, technology and sophistication expected of today’s modern equipment. See fuel and/or battery level, machine status, diagnostic codes, and more in one convenient place. Optically-bonded, 18-bit color display has 800x480 resolution and is readable in direct sunlight. Sealed to IP67 with an integral sealed connector, it is ideal for on- and off-road vehicles; outdoor power, agricultural, construction, and material handling equipment; and other indoor and outdoor gas and electric powered applications.

ELECTRICAL SPECIFICATIONS

Operating Voltage Range, VDC	9-16
Operating Current, mA	400 typ., 750 max
Reverse Polarity Protected	Yes
Short Circuit Protected	Yes
Design Life, hours	2000
EMC	ISO 11452-2 EMI / ISO 11452-4, FCC Part 15, Subpart B
Internal 120Ω CAN Termination	Yes

ENVIRONMENTAL RATINGS

Ingress Protection	IEC IP67
Operating Ambient Temperature Range	-20 to 70 °C
Storage Ambient Temperature Range	-30 to 80 °C
Chemical Resistance	Insect Killer, Weed Killer, Liquid Fertilizer, Mole Repellent, Battery Acid

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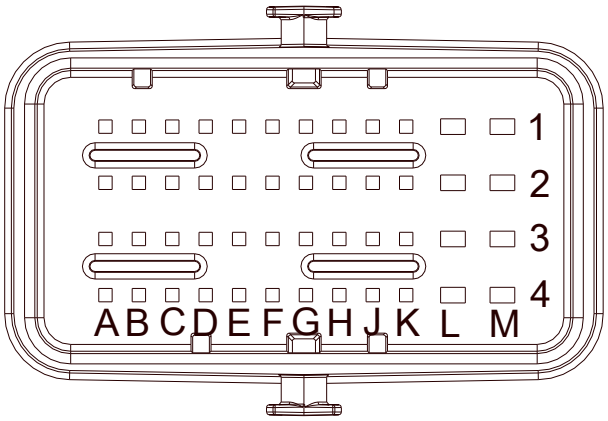
CONNECTOR PIN-OUT



HARNESS SIDE MATING CONNECTOR

Molex P/N 64320-1311

Pin	Signal Name	Signal Type	Typ/Max Input Current
A1	Spare Sourcing Input 1	Active low input, sourcing	35mA
A2	NTSC Camera		
B1	MIL Input	Active low input, sourcing	35mA
B2	Push Button Input	Option 1: Active low input, sourcing	35mA
B2		Option 2: 12V active high input, sinking	
B4	CANL	CAN bus I/O	
C1	Oil Pressure Input	Active low input, sourcing	35mA
C2	Spare Sourcing Input 2	Active low input, sourcing	35mA
C4	BDI Input	Serial input	
D2	Camera Power		
D4	USB Ground		
E4	USB D-	USB I/O	
F1	Starter Input	12V active high input, sinking	35mA
F4	USB D+	USB I/O	
G1	Differential Lock Input	12V active high input, sinking	35mA
G4	USB +5V power	+5V USB power output	
J2	2WD/4WD Input	12V active high input, sinking	35mA
J4	Low Beam Input	12V active high input, sinking	35mA
K3	Brake Switch Input	12V active high input, sinking	35mA
K4	High Beam Light/ Seat Belt Input	12V active high input, sinking	35mA
L3	+12V battery	Main Power	
L4	+12V battery	Main Power	

Pin	Signal Name	Signal Type	Typ/Max Output Load
A3	PWM output	Open-collector output with optional pullup resistor on board	10mA sinking
A4	CANH	CAN bus I/O	120 Ohm termination on board
D1	Analog input - Gear Position	Resistive sensor input, sourcing	8k – 0 Ohm
E1	Analog input - Fuel Level	Resistive sensor input, sourcing	240 – 33 Ohm
H1	Frequency input 1	Option 1: Variable reluctance input	
		Option 2: 12V tach pulses input	
H2	PWM input	12V PWM input	
H4	USB Reserved		
J1	Low side driver 3	Active low output, sinking	100mA
K1	Low side driver 4	Active low output, sinking	100mA
K2	Frequency input 2	Option 1: HALL sensor open-drain input	
		Option 2: 12V tach pulses input	
L1	GND	Ground	
L2	GND	Ground	
M1	Low side driver 2	Active low output, sinking	100mA
M2	Low side driver 1	Active low output, sinking	100mA
M3	High side driver	12V output	0.4A
All other pins	Unused		

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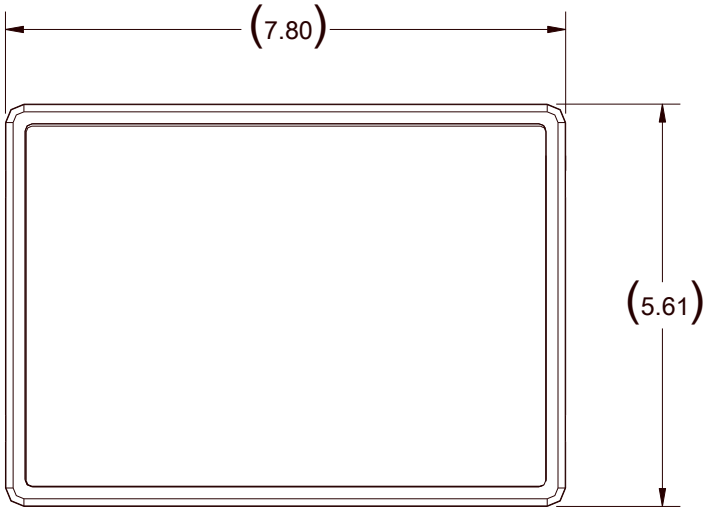
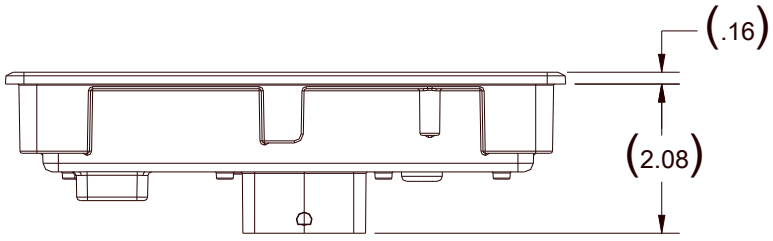
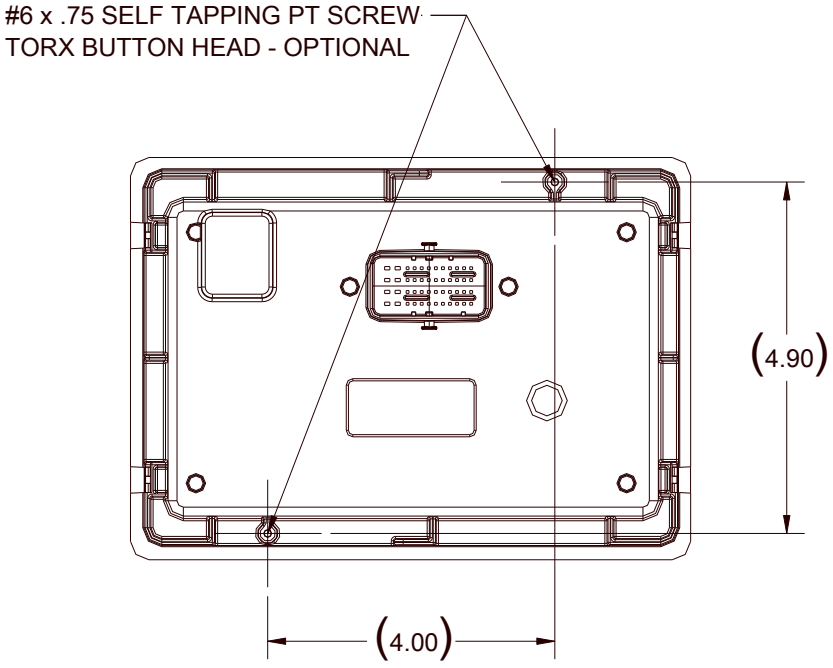
DIMENSIONS

(.06-.32 recommended panel thickness, included mounting retainer not shown)







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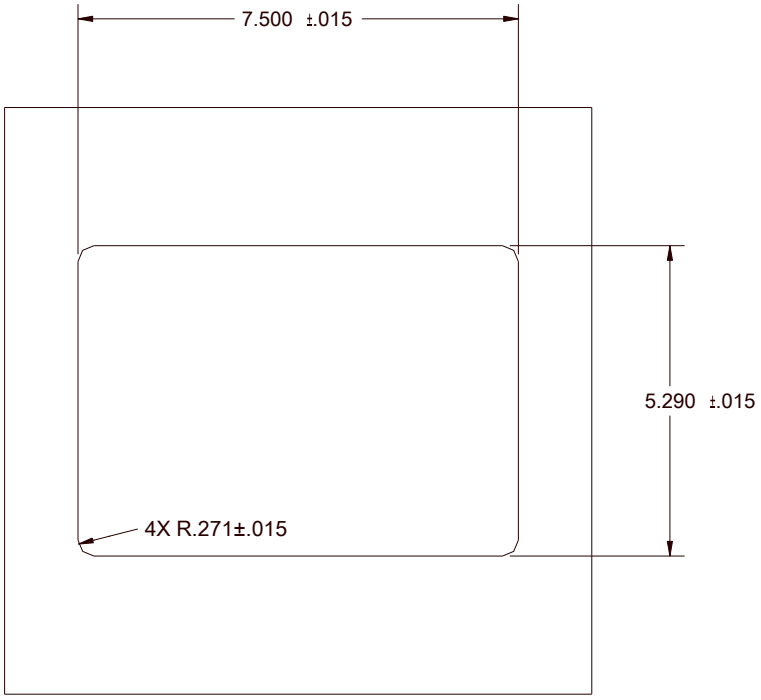
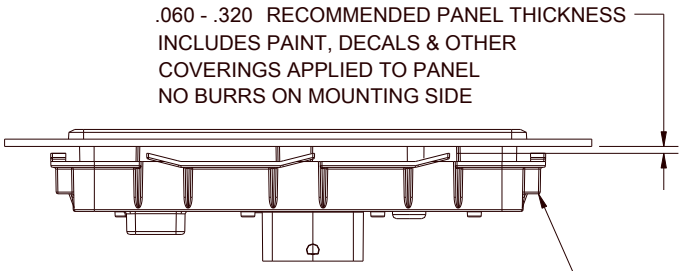
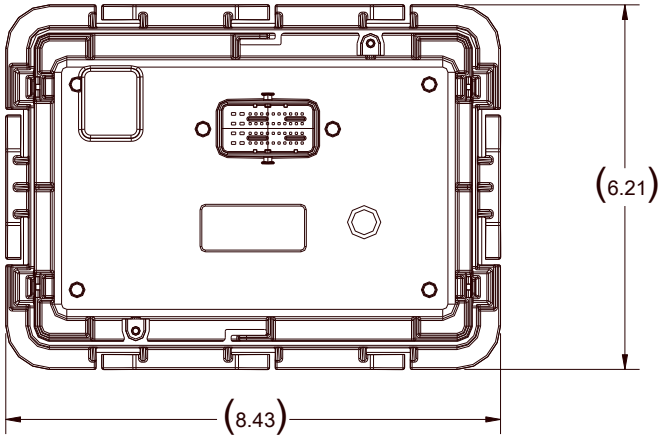
MOUNTING DIAGRAM







Note: Life expectancy and performance are largely dependent on application. It is the user's responsibility to determine suitability of this product for the application. This information is intended as a guide for proper application.

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