



MTS2

# MTS2 Series

Accelerator pedal for electronic throttle control systems



## FEATURES/BENEFITS

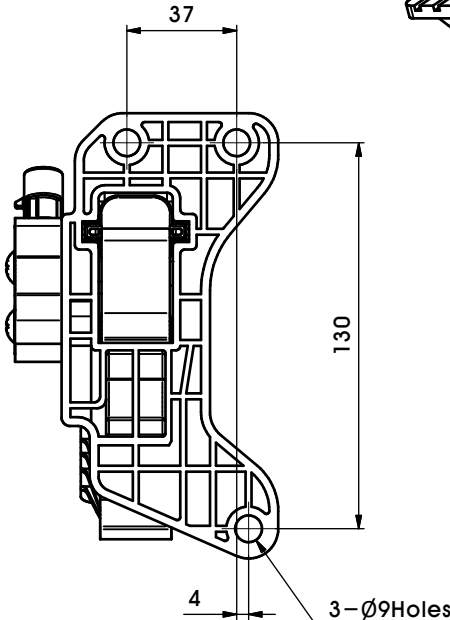
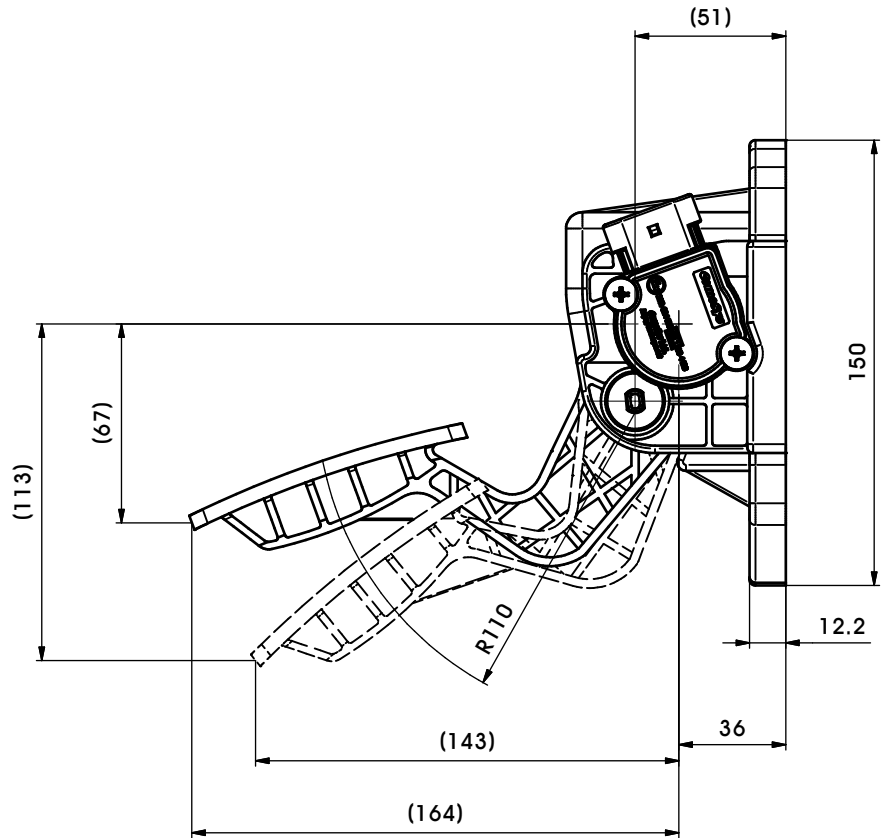
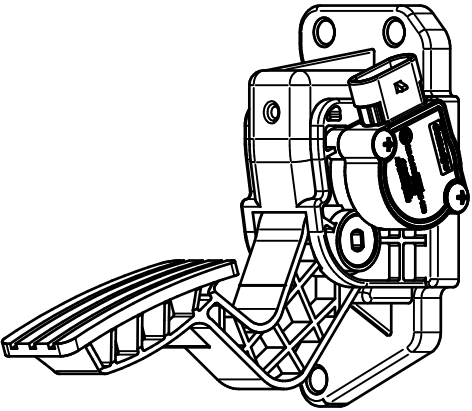
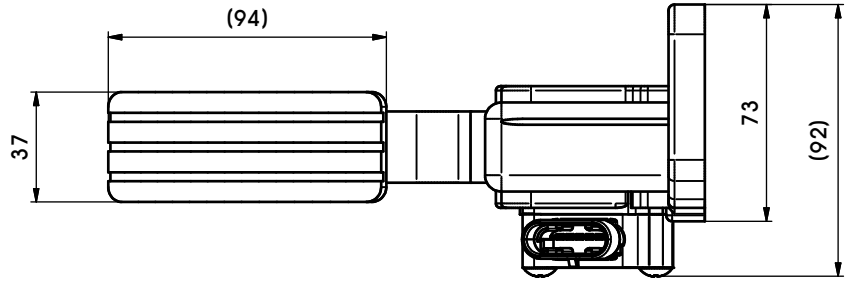
- ◆ **Output :** Single, Dual output, PWM, CAN Bus as per SAE J-1939
- ◆ **Switch :** Double, Electronic or mechanical
- ◆ **Optional KDF :** Kick Down Feeling and switch
- ◆ **Hysteresis :** Dual load/return force generation in compliance with FMVSS 124
- ◆ **Compact size, weight :** approx. 300 g
- ◆ **Connector :** AMP J-Series
- ◆ **Option :** Delphi, Deutsch, Packard weather seal or as requested.

## TYPICAL SPECIFICATIONS

PRODUCT LIFE	FULL TRAVEL CYCLES	10 M
<b>ELECTRONICS</b>	Seal Integrity ESD EMS	IP67 Tested in accordance with IEC 61000-4-2 As per ISO 11452-2 (2004E)
<b>ELECTRICAL</b>	Input Voltage Signal and Switches	5 / 12 / 24 / 48 / 72 Vdc as requested Signal type and switch position to be in accordance with customer specification.
<b>MECHANICAL</b>	Pedal Travel Pedal Force  End-Break Optional KDF	19 +/- 2deg Initial Load 15N min, Full Throttle 33N max. Adjustable as per customer specification. 160kgf +/-5kgf Position adjustable
<b>ENVIRONMENT</b>	Operation Temp. Storage Temp. Vibration  Shock Salt fog Impact	-40 ~ +85°C -40 ~ +105°C Subject to broadband random vibration between 20 and 2000Hz for 20 hrs in all 3 axis. After exposed to Acceleration 20G for 11ms After exposed to Salt Fog 96 Hours (JIS Z2371) Free drop onto a smooth concrete floor from a height of one meter, a total of 6 times.

Part No. -

REVISION HISTORY					
REV	DESCRIPTION	DATE	DR	RE	AP
0	Issued	05.Mar.20	M.J.Kim	J.I.Kim	J.H.Lee



<b>ComeSys</b> Control & Measurement Systems Limited				Name Electric Accelerator Pedal Ass'y (MTS2)	
General Tolerance for Machining (KS B 0412)				Application Model -	
5-30mm	±0.2	30-50mm	±0.3	Material -	
3-5mm	±0.3	50-100mm	±0.4	Paint & Surface Treatment -	
5-30mm	±0.5	100-300mm	±0.5	Weight 247 g	
30-120mm	±0.8	300-600mm	±1.0	Customer Part No. -	
Priority & Confidence				Comesys Part No. -	
The information contained in this Drawing is the sole property of Comesys Ltd. Any reproduction in part or as a whole without the written permission of Comesys Ltd is prohibited. <a href="http://comesys.net">http://comesys.net</a>				Heat Treatment -	
DR	M.J.Kim	05.Mar.20	Do Not Scale	Issued 0	
RE	J.I.Kim	05.Mar.20	Third Angle Projection		
AP	J.H.Lee	05.Mar.20	Sheet 1 of 1		