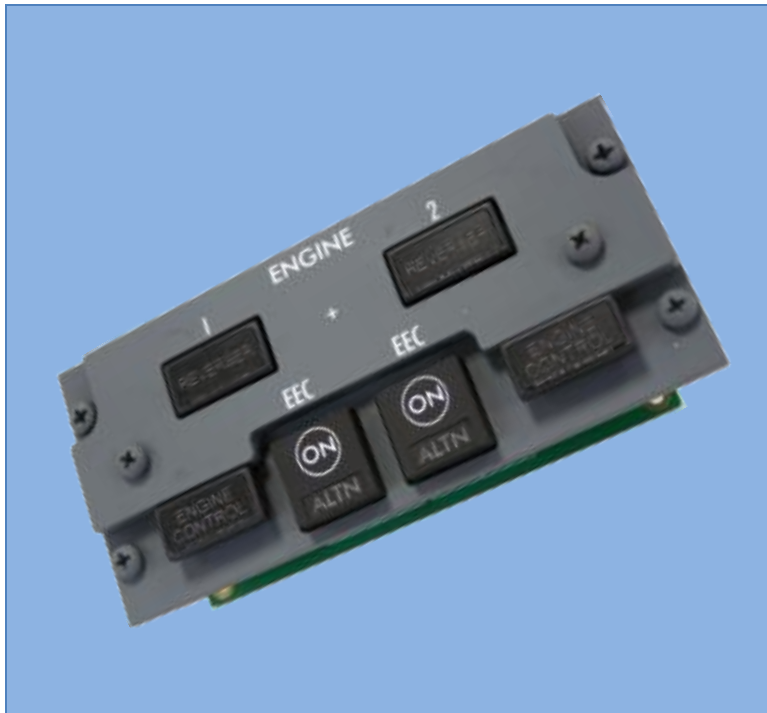


Engine Panel Module

S737-AOH-M-AL-A10-1034

Datasheet - Engine Module V2.0 - Rev1.0.docx



Module Dimensions: (WxHxD) mm3	144 x 65 x 25 mm3 <i>Height of Knobs Not included</i>
Module Line:	Alpha
Backlight (12V):	Yes, Warm White
Backpanel:	Yes, Specific PCB
Hardware Interface: (See Chapter 1.2)	To be connected to a Control Board like SimCard Ethernet, IOCard USB, etc.
Knobs:	-
Plug Ready Module	Yes
Simulator Model:	Sim737NG
Scale:	1:1
Price (without VAT)	<i>Web: Shop</i>

www.sismo-soluciones.com

1 Compatibility

1.1 Software Compatibility

This module uses IDC connectors to interface with electronic I/O Boards, it cannot be connected directly to a Computer, it has to be though an electronic Board (see hardware compatibility). If the chosen electronic board is a SimCard, then this module will be compatible with the following Add-Ons:

iFly737			Prosim737			Project Magenta			PMDG 737NG			SimAvionics		
FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE
X	X	?	X	X	?	X	X	X	X	X	?	X	X	?

X	Fully compatible, scripts available in downloads sect.
X	Fully compatible, no scripts available (under development)
X	Compatible with some add-on limitations
?	Pending confirmation for the add-on company

FSX	Microsoft Flight Simulator X
P3D	Lockheed Martin Prepar3D
X-Plane	X-Plane

This module has been designed to be connected directly to the “Sismo AFT Baseplate V2.1”. This baseplate is an option where cables or other elements are not necessary. If you want to use it in other configuration, just connect the flat ribbon cables following the indications of the “Wiring Schedule”.

1.2 Hardware Compatibility (I/O Boards)

SimCards Ethernet	IOCards	Phidgets	MIP737	Pokeys USB	Arduino
Yes (Recommended)	Yes	Yes	Yes	Yes	Yes

1.3 Module Backpanel (PCB) Compatibility

This datasheet is valid for the following module backpanels (PCB):

V1	V2						
No	Yes						

1.4 Abbreviations

PRM	Plug Ready Module
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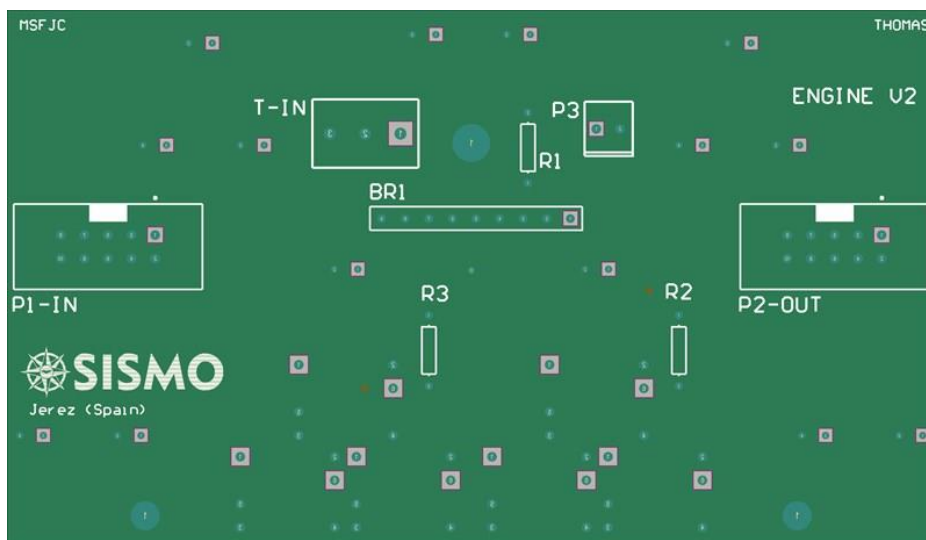
2 Customization

This module cannot be customized.

3 Parts included

- 1 Engine Panel Module, fully assembled and ready to be installed on the AFT.
- 2 Un. 10-pin flat ribbon cable (25cm length). For other lengths, please contact to Sismo.

4 Backpanel Connectors



5 Wiring Schedule

5.1 INPUT

Function	State
GND for Backlight	
GND for Backlight	
CAP ALTN	ON
GND for Backlight	
GND for Backlight	

P1-IN	
1	2
3	4
5	6
7	8
9	10

State	Function
	12V+ CC for Backlight
	12V+ CC for Backlight
ON	FO ALTN
	12V+ CC for Backlight
Common GND for inputs 5 to 6	

T-IN	
1	CAP ALTN
2	FO ALTN
GND	GND



5.2 OUTPUT

Function	State
Annunciator ENGINE CONTROL 1	ON
Annunciator REVERSER 1	ON
Led ALTN 1	ON
Led EEC ON 1	ON
Not used	

P2-OUT	
1	2
3	4
5	6
7	8
9	10

State	Function
ON	Annunciator ENGINE CONTROL 2
ON	Annunciator REVERSER 2
ON	Led ALTN 2
ON	Led EEC ON 2
Common GND for outputs 1 to 8	

Note: Remark about the Output +5Vcc= ON / 0 Vcc = OFF

Note: It is not necessary to connect the **12V-BL** if all of the IDC Connectors are in place. This is due to the fact that the backlight travels through the flat ribbon cables, in the contact map, these are in the  and  boxes.

The **12V-BL** connectors which appear on the PCB have a different purpose. They are used for applying backlighting to the gauges.

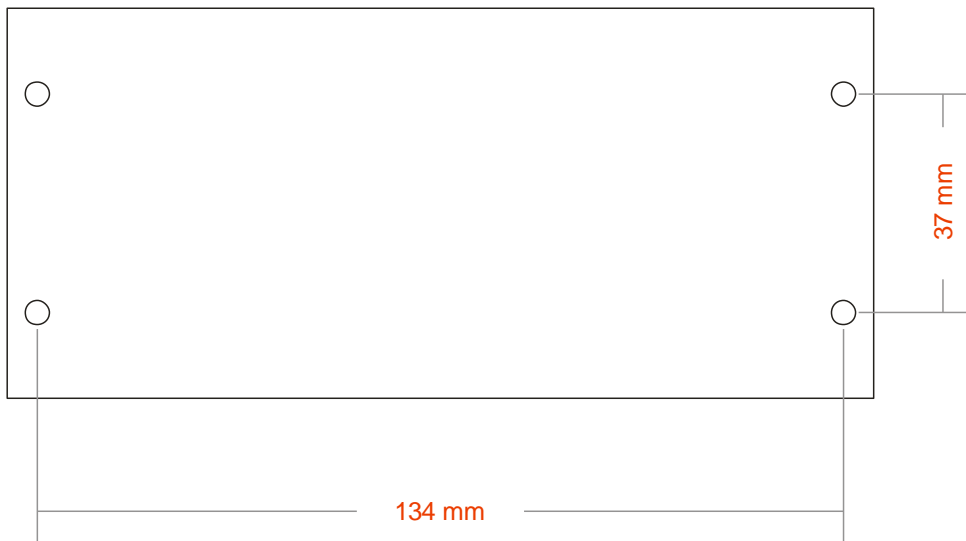
Taking into account the fact that the backlighting travels through the IDC Connectors, one should be cautious when connecting these. If the physical orientation is not correct, the 12V in the circuit will react in unpredictable ways and damage your module.

Each circuit has a different contact map and the 12V does not necessarily follow the same pattern in all modules

5.3 Backlight

P3	
Backlight	12V for backlight. This voltage can be provided directly from a 12 V DC power supply or can be provided by “dimmer backlighting board” to have the dimming functionality available.

6 DZUS Position



7 Related Documentation

ID	DOCUMENT	Revision
01	User Manual – SimCards Ethernet	See the latest on our website
02	Datasheet – AFT Backpanel	See the latest on our website

8 Pictures

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End of Document