

**B737 MAX**
**Engine Panel Module**


Module Dimensions: (WxHxD) mm3	144 x 65 x 25 mm3
Module Line:	Alpha
Backlight (12V):	Yes, Warm White
Elec. Back Baseplate:	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, UIC Connectors
Simulator Model:	Sim737MAX
Scale:	1:1

S7MX-AOH-M-AL-A10-1059

## 1 Compatibility

### 1.1 Software Compatibility

This module uses IDC connectors to interface with electronic I/O Boards, they cannot be connected directly to a Computer, it has to be through an electronic Board (see hardware compatibility). If the electronic board is a SimCard, then this module is 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	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 Electronic Baseplate V3"**. This baseplate is an option where cables or other elements are not necessary. If you want to use it in another configuration, just connect the flat ribbon cables following the indications on 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 Baseplate (PCB) Compatibility

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

V1							
Yes							

## 2 Abbreviations

PRM	Plug Ready Module
AFT	After Overhead Module

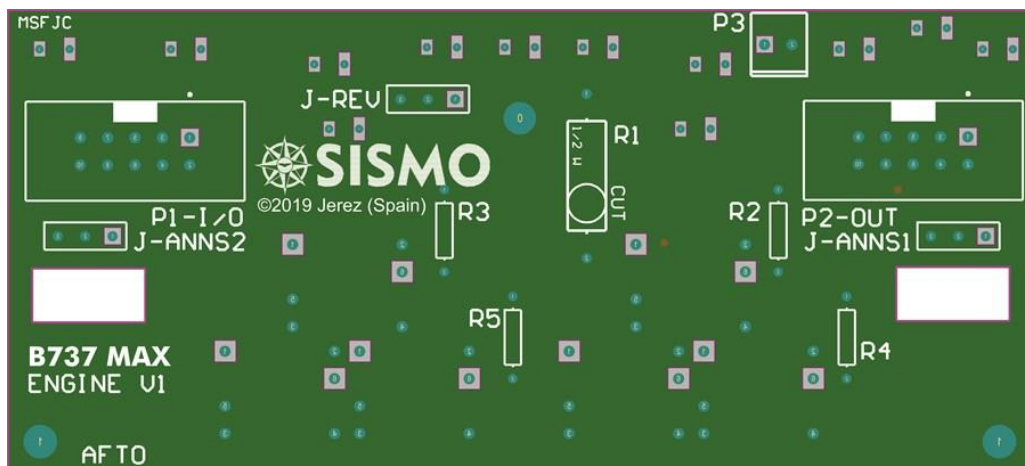
## 3 Customization

This module cannot be customized.

## 4 Parts included

- 1 un. Engine Panel Module, fully assembled and ready to be installed on the AFT.
- 2 un. 10 pins flat ribbon cable (length 25cm). For other lengths, please contact Sismo.
- 4 un. screws M4x10. DZUS are optional.

## 5 Module Baseplate Connectors



## 6 Wiring Schedule



### 6.1 Input/Output

Function	State	P1-I/O		State	Function
Annunciator REVERSE LIMITED 1	ON	1	2	ON	Annunciator REVERSE LIMITED 2
Not used	ON	3	4	12V+ CC for Backlight	
Push-button EEC 1	ON	5	6	ON	Push-button EEC 2
GND for Backlight		7	8	12V+ CC for Backlight	
GND for Backlight		9	10	Common GND for inputs 5 and 6	

### 6.2 Output

Function	State	P2-OUT		State	Function
Annunciator ENGINE CONTROL 1	ON	1	2	ON	Annunciator ENGINE CONTROL 1
Annunciator REVERSE 1	ON	3	4	ON	Annunciator REVERSE 2
Led ALTN 1	ON	5	6	ON	Led ALTN 2
Led EEC ON 1	ON	7	8	ON	Led EEC ON 2
Not used		9	10	Common GND for outputs 1 to 8 and for outputs 1 and 2 of connector P1-I/O	

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.

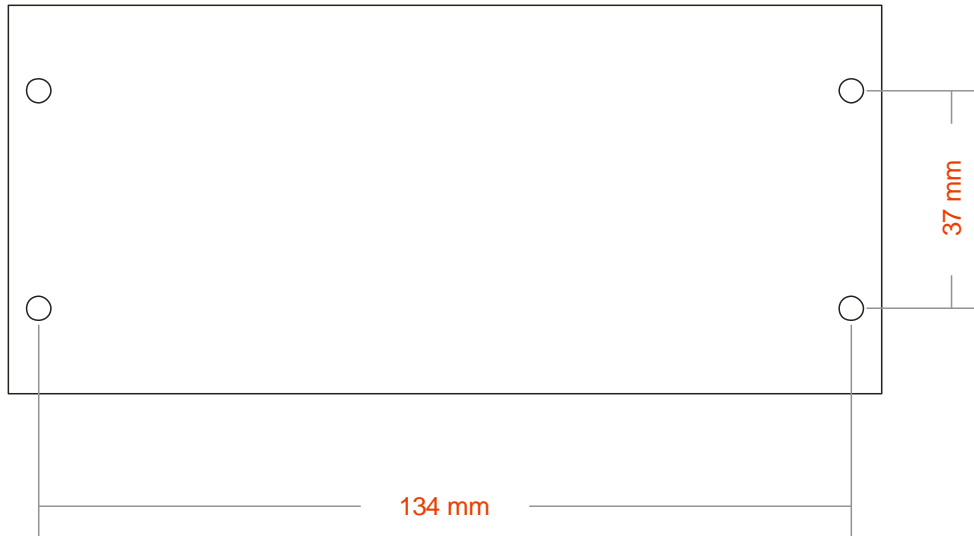
Taking into account the fact that the backlighting travels through the IDC Connectors, one should be cautious when connecting these. If the physical orientation is not correct, the 12V in the circuit will react in unpredictable ways and damage your module.

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

### 6.3 Backlight

P3/12V-BL	
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.

## 7 DZUS Position



## 8 Related Documentation

ID	DOCUMENT	Revision
01	User Manual – SimCards Ethernet	See the latest on our website
02	User Manual – Hookup & Wiring Guideline	See the latest on our website

**End of Document**