

B737 MAX
Autopilot Flight Director System Module (AFDS)


Module Dimensions: (WxHxD) mm3	84 x 41 x D mm3 <i>D = Depends on the Variant</i>
Module Line:	Alpha
Backlight (12V):	No
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:	No
Plug Ready Module:	Yes, UIC Connectors
Simulator Model:	Sim737MAX
Scale:	1:1

S737MAX-MIP-M-AL-A10-0214

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 "CAIP Electronic Baseplate V1 and/or FOIP Electronic Baseplate V1" or higher. 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	No Information	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
MIP	Main Instrument Panel
CAIP	Captain Instrument Panel
FOIP	First Officer Instrument Panel

3 Customization

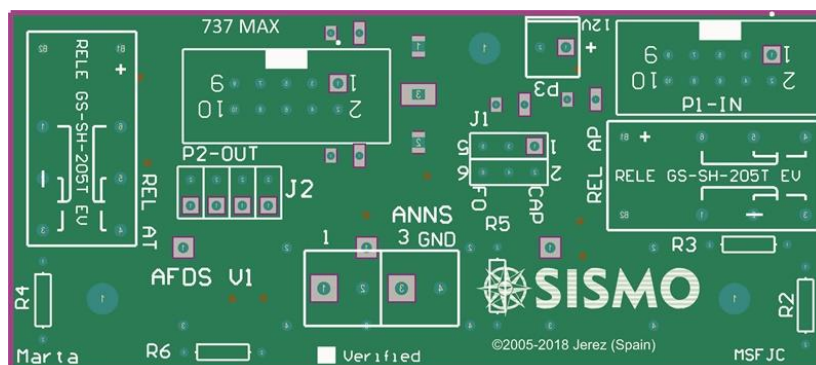
Depending on the Control Board type:

SC	This variant of AFDS is valid to be connected with a Sismo Soluciones SimCard Ethernet
OTHER	This variant of AFDS is valid to be connected with other I/O Board like IOCards, etc. For more details visit the shop in the web www.sismo-soluciones.com

4 Parts included

- 1 AFDS Module, fully assembled and ready to be installed on the MIP.
- 2 un. 10 pins flat ribbon cable (length 25cm). For other lengths, please contact Sismo.

5 Module Baseplate Connectors



6 Wiring Schedule

6.1 Inputs

Function	State	P1-IN		State	Function
Switch TEST Position 1	ON	1	2	ON	Switch TEST Position 2
Not used	ON	3	4	ON	Not used
Push-button AP	ON	5	6	ON	Push-button AT
Push-button FMC	ON	7	8		Not used
Not used		9	10	Common GND for inputs 1 to 8	

6.2 Outputs

6.2.1 Using SC control board:

Function	State	P2-OUT		State	Function
Led AP Orange	ON	1	2	ON	Led AP Red
Led AT Orange	ON	3	4	ON	Led AT Red
Led FMC	ON	5	6	ON	Annunciator *
Annunciator *	ON	7	8	ON	Annunciator *
Not used		9	10	Common GND for inputs 1 to 8	

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

ANNS
There is the possibility to connect three annunciators

6.2.2 Using OTHER control board:

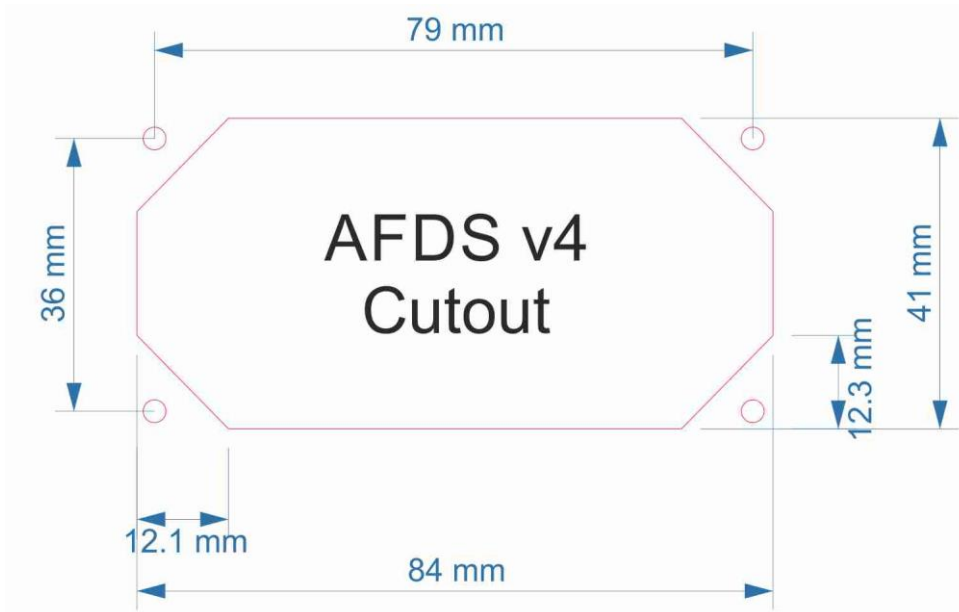
Function	State	P2-OUT		State	Function
Led AP Orange	ON	1	2	ON	Led AP Red (Needs Led AP Orange ON)
Led AT Orange	ON	3	4	ON	Led AT Red (Needs Led AT Orange ON)
Led FMC	ON	5	6	ON	Annunciator *
Annunciator *	ON	7	8	ON	Annunciator *
Not used		9	10	Common GND for inputs 1 to 8	

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

6.3 Backlight

P3-12V	
Not Used	This module does not include Backlight.

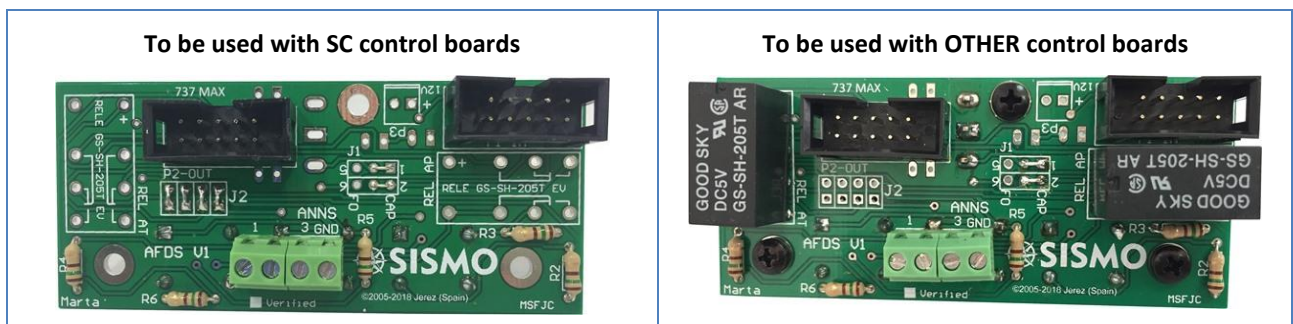
7 Screws Position



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

9 Pictures



End of Document