Ground Proximity Warning Panel Module

S737NG-MIP-M-AL-A36-0235

Datasheet - GPWS Module V3.6 - Rev1.0.docx

Module Dimensions: (WxHxD) mm3	154 x 114 x D mm^3 *D = Depends on the Variant*
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)	*Web: Shop*

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 though 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	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 "**FOIP Electronic Backpanel V3.5**" or higher. This backpanel 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 Backpanel (PCB) Compatibility

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

V1	V1.5	V2	V3	V3.5	V3.6		
No	No	No	No	No	Yes		

2 Abbreviations

PRM	Plug Ready Module
MIP	Main Instrument Panel
CAIP	Captain Instrument Panel
FOIP	First Officer Instrument Panel
CEIP	Center Instrument Panel
GPP	Ground Proximity Warning Panel

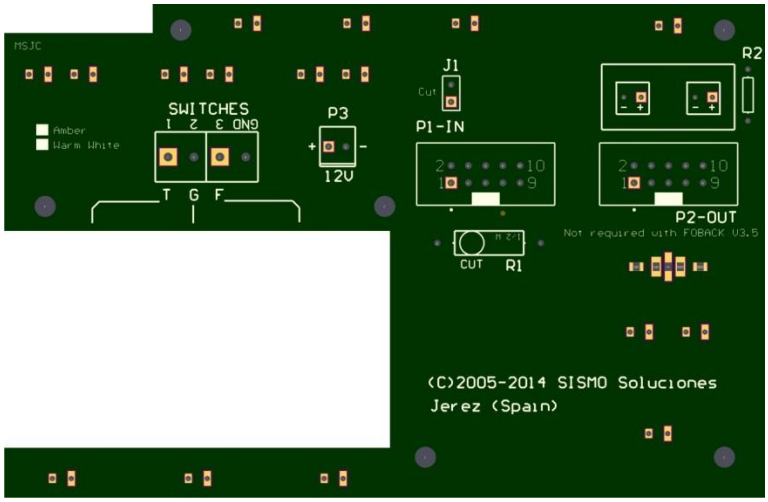
3 Customization

There are no customizations for this product.

4 Parts included

- 1 GPP 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.
- 3 painted screws M4x12 to fix the module to THE MIP casing (Fully compatible with the MIP casing of Sismo.)
- 1 Female connector for backlight.

5 Backpanel Connectors



6 Wiring Schedule

6.1 Inputs

6.1.1 When using a Sismo FOIP Backpanel 3.5 or higher

Function	State
Not used	
GND for Backlight	
+12V DC for Backlight	
Switch GEAR INHIBIT	ON
+12V for Backlight	

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

State	Function
ON	Annunciator GPWS INOP*
ON	Push-Button SYS TEST
ON	Switch FLAP INHIBIT
ON	Switch TERR INHIBIT
Common GND for inputs and outputs*	

*This function is active through P1-IN when the jumper J1 is plugged. We do not need any other connector.

IMPORTANT NOTE: This module is designed to ONLY be used with Sismo Soluciones FOIP Backpanel version V3.5 and higher. For other wiring or connections methods, please follow another connections map.

6.1.2 When using any other type of configuration

Function	State
Not used	
Not used*(Remove pin)	
Not used*(Remove pin)	
Switch GEAR INHIBIT	ON
Not used*(Remove pin)	

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

State	Function
	Not used
ON	Push-Button SYS TEST
ON	Switch FLAP INHIBIT
ON	Switch TERR INHIBIT
Common GND for inputs	

6.2 Outputs

Function	State
Not used	
Not used	
Not used	
Not used	
Not used	

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

State	Function
	Not used
	Not used
	Not used
ON	Annunciator GPWS INOP
Common GND for output	

6.3 Jumpers

J1		
		Internal

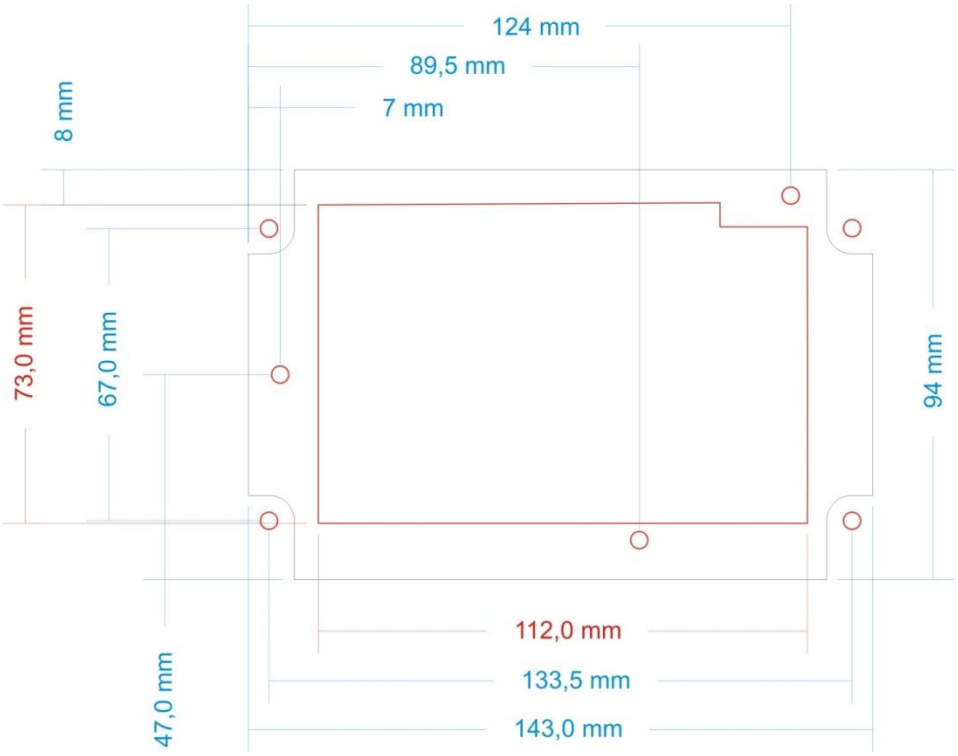
6.4 Other

SWITCHES	
1	Switch FLAP INHIBIT
2	Switch GEAR INHIBIT
3	Switch TERR INHIBIT
GND	Common GND

6.5 Backlight

12V-P3	
Backlight	12V for backlight. This voltage can be provided directly from a 12 V DC power supply or can be provided by a “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 – MIP Ethernet	See the latest on our website
03	User Manual – Hookup & Wiring Guideline	See the latest on our website
04	Wiring Layout – CAIP, FOIP, CEIP	See the latest on our website

9 Pictures

End of Document