



# Opencockpits



**Manual RADAR B737 Panel IDC.**

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## Introduction:

B737 Radar panel with integrated backlight technology BKI. Made from a 6mm thick piece, with painted finish and professional engraving.

This panel is designed to connect it directly with an I/O card like the Master or PCB Pedestal.

The panel has operative the following components:

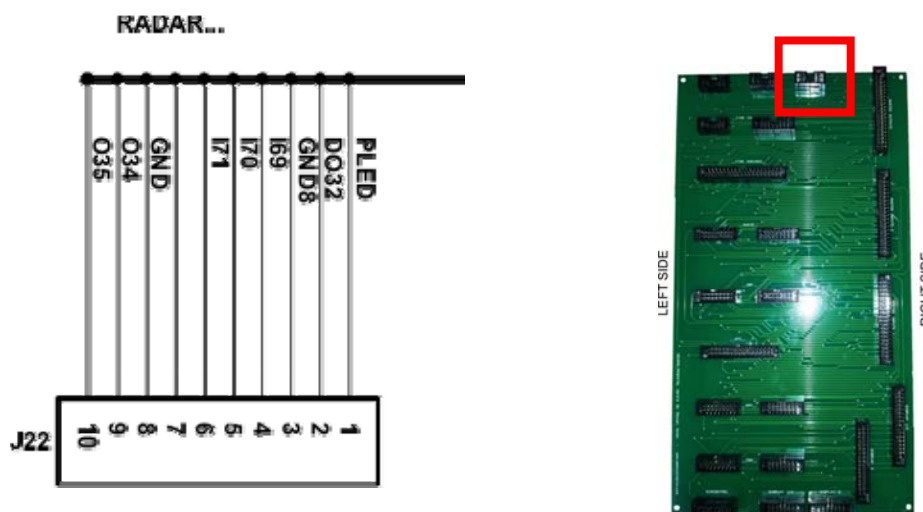
- Mode rotary switches.
- Potentiometers.
- Backlight.

## BKI Technology:

The BKI technology is similar to the original used in the original Boeing panels, it is embedded within the backlight panels, increasing the quality of the backlight and a significant drop in energy consumption and to avoid light pollution around the panels.

## Wiring Radar:

RADAR B737 IDC connectors can be plugged to any I/O card and to Pedestal PCB using 10 contacts IDC connectors:



The names of the connectors on the PCB panel and the pedestal are the following:

PANEL IDC	PCB PEDESTAL
NO TIENE	J22

## Description of connectors RADAR:

Radar panel is connected to PCB Pedestal 1 (Master n°1, Captain's side).

J22 CONNECTOR		
I/O	PIN	FUNCTION
PLED	10	Positive for backlight. It takes 2.5 volts to 2.9 volts. <i>ActiveWarning: may burn more voltage backlight!</i>
DO14	9	Negative for backlight
GND8	8	GND ROTARY SWITCH
I69	7	TEST
I70	6	WX
I71	5	WX/TURB
NC	4	No connected
GND	3	No connected
O34	2	No connected o
O35	1	No connected

The USBDimcontrol card is recommended. It is also recommended to use 3 volt power for the backlight.

## Declaration of inputs and outputs:

To declare variables of inputs and outputs must use the following format (the list belongs to the pedestal's definition file of Opencockpits pedestal).

// RADAR

Var 572, name R\_RADTST, Link IOCARD\_SW, DEVICE 20, Input 69 // RADAR WX-TEST  
ROTARY SWITCH

Var 574, name R\_RADMAP, Link IOCARD\_SW, DEVICE 20, Input 70 // RADAR WX-TURB-  
MAP ROTARY SWITCH

// ANALOG

Var 578, name A\_RADGAIN, Link IOCARD\_ANALOGIC, DEVICE 20, Input 2, PosL 0, PosC  
127, PosR 255 // RADAR GAIN POTENTIOMETER

Var 580, name A\_RADTILT, Link IOCARD\_ANALOGIC, DEVICE 20, Input 3, PosL 0, PosC  
127, PosR 255 // RADAR TILT POTENTIOMETER

With this we end this manual, we invite you to read the manuals for the other elements of Opencockpits and SIOC software and we thank you for trusting us.

## Links of interest:

Customer Support Zone:

<http://www.opencockpits.com/catalog/info/>