

405FVW504-B

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Sensing and Control

Honeywell Inc.

11 West Spring Street

Freeport, Illinois 61032

405FW504-B

SENSOR INTERFACE CARD

Description :

Single channel electronics card for use with the Honeywell two part 300FW series proximity sensors, referenced on pages 46 and 47. The card has been designed to fit standard electronics racking systems and incorporates high level electronics protection against transients, reverse polarity and EMC. It has been designed to meet the requirements of aerospace, ground mobile and naval applications.

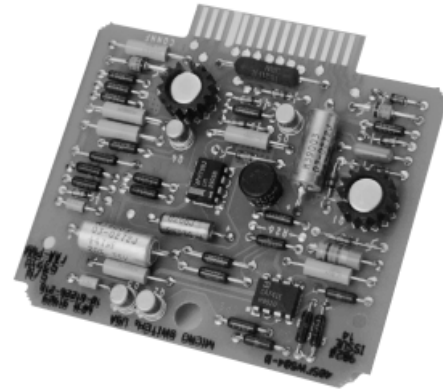
The combined sensor and interface system is highly reliable with mean time between failure in excess of 180K hours.

Features :

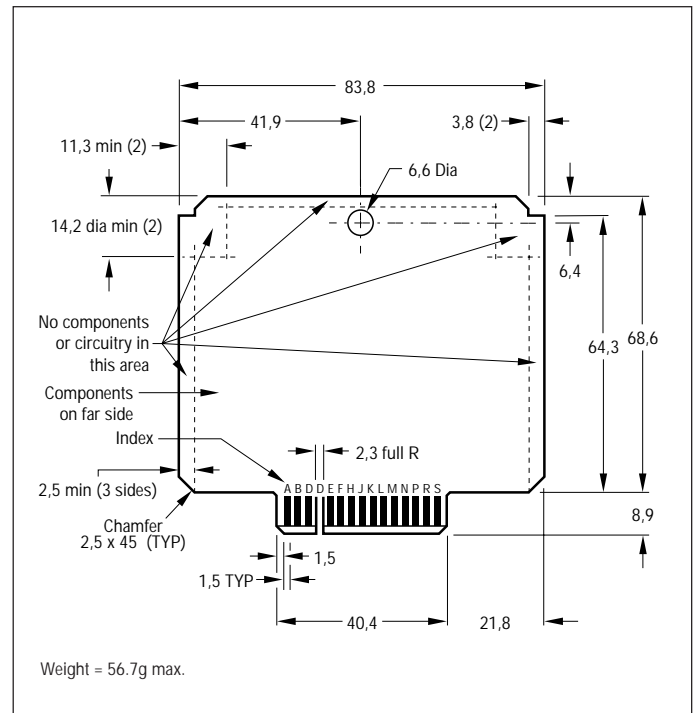
- Single channel
- Reverse polarity protection
- Transient protection to MIL-STD-704
- EMC protection to MIL-STD-461,462
- High reliability

Typical Applications :

- Aircraft landing gear controls
- Flight surface controls
- Ammunition loading systems



Dimensions in mm (for reference only)



Specifications

Power Supply :			
Power supplies	18 - 32 Vdc MIL-STD-704		
Supply current	65 mA max		
Current output	750 mA inductive or resistive		
Output Characteristics :			
Output type	Single pole transistor sink		
Output state	N.O. or N.C. (jumper selectable)		
Environmental Characteristics :			
Operating temperature	-40 to +85° C		
Vibration	5 G peak sinusoidal		
Shock	MIL-STD-810: Method 516: 50G 11 ms		
Sand and dust	MIL-STD-810B Method 510: varying temperature and velocities, 28 hours		
Humidity	MIL-STD-810B, 95% RH @ 65° C		
Chemicals	Resistance to skydrol and typical aircraft fuels		
Altitude	Sea level to +21,212 m		
Special Features :			
Circuit protection	Reverse polarity (input protected) Transients per MIL-STD-704 Electromagnetic compatibility EMC per MIL-STD-461, 462		
Termination	Mates with AMP582553-1 connector or equivalent		
Meantime Between Failure Prediction			
180700 hrs for airborne uninhabited cargo at an ambient temperature of 95° C based upon MIL-HDBK-217E, Sec. 5.I			
Ordering Guide			
Listing	Description	Sensing Distance mm	Hysteresis
405FW504-B	Normally open/Normally closed, current sinking	Room temperature operate to be 1.59 ± 0.10 using 330FW 04A-1G Micro Switch centre point sensor or 2.54 ± 0.15 using a 310FW04-10G Micro Switch centre point sensor	Dependent on the installation and the specific type of sensor used