

MINIATURE DOMEPOINT SPECIFICATION

A 1. APPLICATION

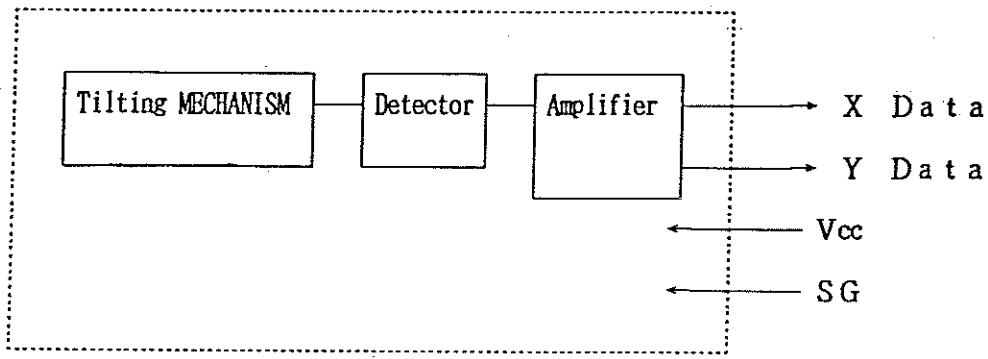
This specification is applied to FUJITSU MINIATURE DOMEPOINT (FID-828-10D).

B 2. STRUCTURE

This MINIATURE DOMEPOINT is a data-input device for computer equipment and industrial equipment.

1) BLOCK DIAGRAM

【MINIATURE DOMEPOINT】



C 3. INTERFACE

3.1 INTERFACE SIGNAL

SIGNAL NAME	SIGNAL DIRECTION	CONTENTS
	DOMEPOINT - HOST	
X Data	————→	Analog data of X direction
Y Data	————→	Analog data of Y direction
Vcc	←————	Power supply (+ 3V dc ~ + 5v dc)
SG	←————	Signal ground

DATE DOCUMENT CONTROL SECTION ↑

				TITLE MINIATURE DOMEPOINT SPECIFICATION	
				DRAW. NO.	
				CUST.	
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DESIG	93.11.19	T. Koike	CHECK	J. Nakajima	APPR.
				FUJITSU LIMITED	
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4. PIN ASSIGNMENT

PCB board pin assignment is shown as fig.1.

Terminal No.	Signal
1	Vcc
2	X data
3	Y data
4	SG

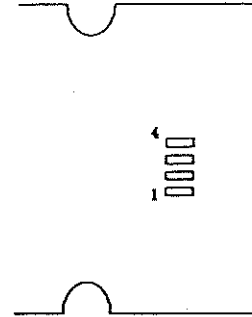


fig.1 PCB board pin assignment

5. ELECTRICAL SPECIFICATION

5.1 ABSOLUTE MAXIMUM RATING SUPPLY VOLTAGE +6V MAX.

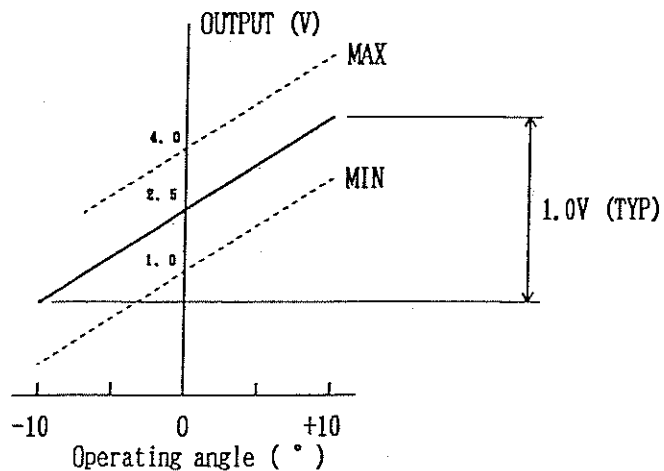
5.2 ELECTRICAL CHARACTERISTICS (Ta=25°C)

5.2.1 SUPPLY VOLTAGE : 3.0 ~ 5.0 V dc

5.2.2 SUPPLY CURRENT : 5.0 mA less than (at 5.0 V dc)

5.3 DATA CHARACTERISTICS (Vcc=5.0V)

Item	Symbol	Condition	min.	Typ.	max.	unit
Data output level	Vout	operating angle = 0°	1.0	2.5	4.0	V



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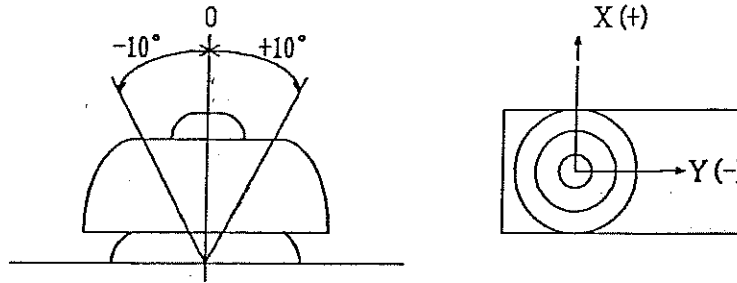
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6. MECHANICAL SPECIFICATION

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6.1 DIMENSION Please see mechanical drawing.

6.2 OPERATING ANGLE



B

A

B

7. CONTROL METHOD

7.1 CORRECTION OF ORIGIN

Output value when non-operation (when the tilt angle of the dome is 0 °) is set as origin, and is controlled by a shift from the origin.

C

7.2 NON-SENSITIVE AREA

The area should be non-sensitive when the tilt angle of the dome is $\pm 1^\circ$.
(output value : $\pm 0.1V$)

C

8. ENVIRONMENTAL SPECIFICATION

D

Item		Specification
Ambient temperature	operation	0 ~ + 40 °C
	storage	-15 ~ + 60 °C
Humidity		90%RH at 40°C Max. Inverse proportion to 50%RH for 40 °C to 60°C (70%RH at 50°C)

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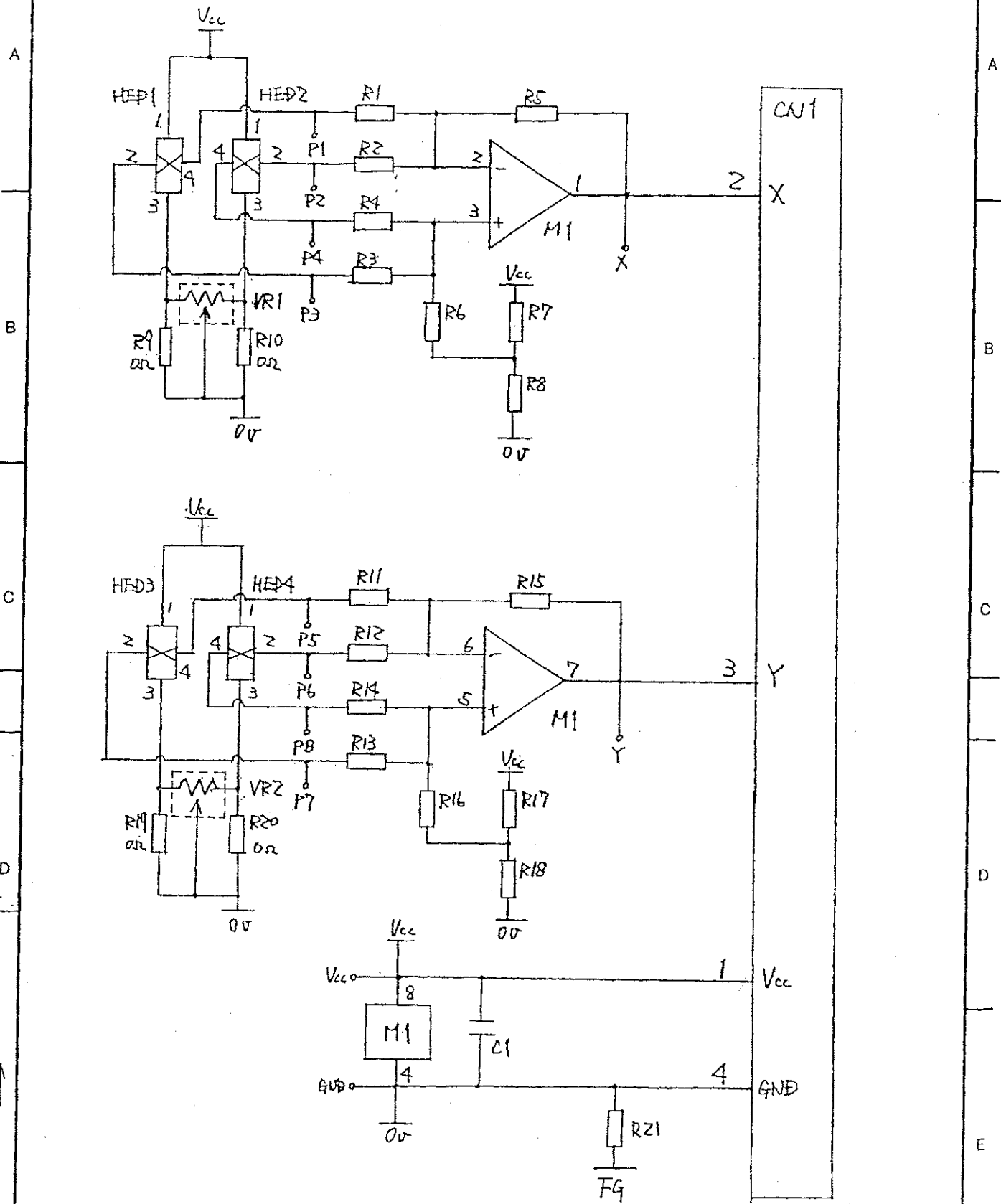
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