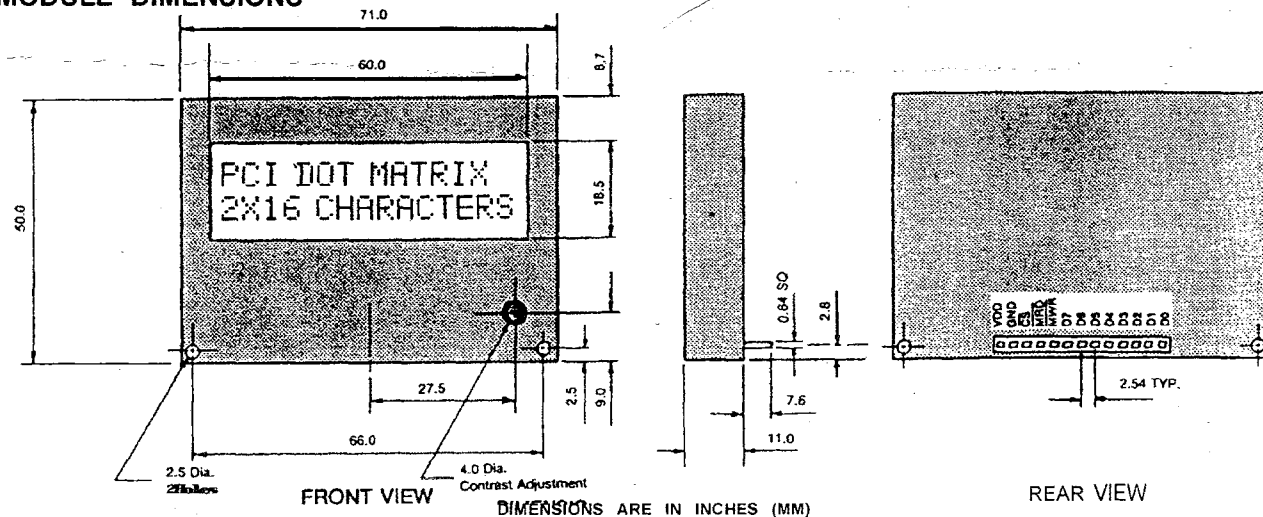




MODEL PCIM 201

HIGH CONTRAST 1 X 16 DOT MATRIX LCD MODULE

MODULE DIMENSIONS



DESCRIPTION

The PCIM 201 is designed to achieve a high standard of optical quality for any application by selectable viewing, top view or bottom view. The display's highest contrast viewing range is tailored to your exact application. Optional wide temperature operation is available for indoor/outdoor usage without excessive power drain.

FEATURES

- 2line x 16 Characters x 5x7 Plus Cursor LCD Dot Matrix
- Wide Temperature Operation Option
- 16 Level Multiplex Display For Wide Viewing Angles
- Character Height of .192" (.236" including cursor)
- High Contrast Readability
- On Board Character Generator
- On Board Contrast Adjustment Potentiometer
- On Board Minus 5 Volt Generator
- Selectable Top View or Bottom View Display
- Low Power Operation
- Low Profile Packaging
- Pin Terminated

ORDERING INFORMATION

Standard Model
PCIM 201 BV

Options Available
on Request

PCIM 201 TV
PCIM 201 TVH
PCIM 201 BVH

KEY:

BV = Bottom View
H = Wide Temperature

OPERATING SPECIFICATIONS

	Standard	Wide Temp.
Operating Temperature Range	0°C to +50°C	-20°C to +70°C
Storage Temperature Range	-20°C to +70°C	-40°C to +80°C
Humidity Resistance	92% RH Max @ 40°C	90% RH Max @ 70°C

ELECTRICAL CHARACTERISTICS

TA = 25°C

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNITS
Supply Voltage	V _{DD}	—	4.5	5.0	5.5	V
Supply Current	I _{DD}	V _{DD} = 5V	—	7.7	14	mA
Quiescent Current	I _Q	Power Down Mode Inputs at either supply	—	—	5	mA
Input "High" Voltage	V _{HI}	V _{DD} = 4.5 to 5.5V	0.8V _{DD}	—	V _{DD}	V
Input "Low" Voltage	V _{LI}	V _{DD} = 5.0V	0	—	0.5V _{DD}	V
Input Leakage Current	I _L	V _{HI} = 0V, V _{DD} = 5V	—	—	5	μA
Input Capacitance	C _{IN}	—	—	—	6.5	pF
Bus Output "High" Voltage	V _{OH}	V _{DD} = 5V I = 1.6mA Source	4.0	—	—	V
Bus Output "Low" Voltage	V _{OL}	V _{DD} = 5V I = 1.6mA Sink	—	—	0.4	V
CS, MWR & MRD Pulse	t _{pw}	—	700 800*	—	—	nS
Data Set-up Time	t _{DS}	—	26	—	—	nS
Data Hold Time	t _{DH}	—	75	—	—	nS
MRD Fall to Valid Data Time	t _{PD}	—	— 600	400	700	nS

Note: Operating Voltage Referenced to GND

*Wide Temp Version