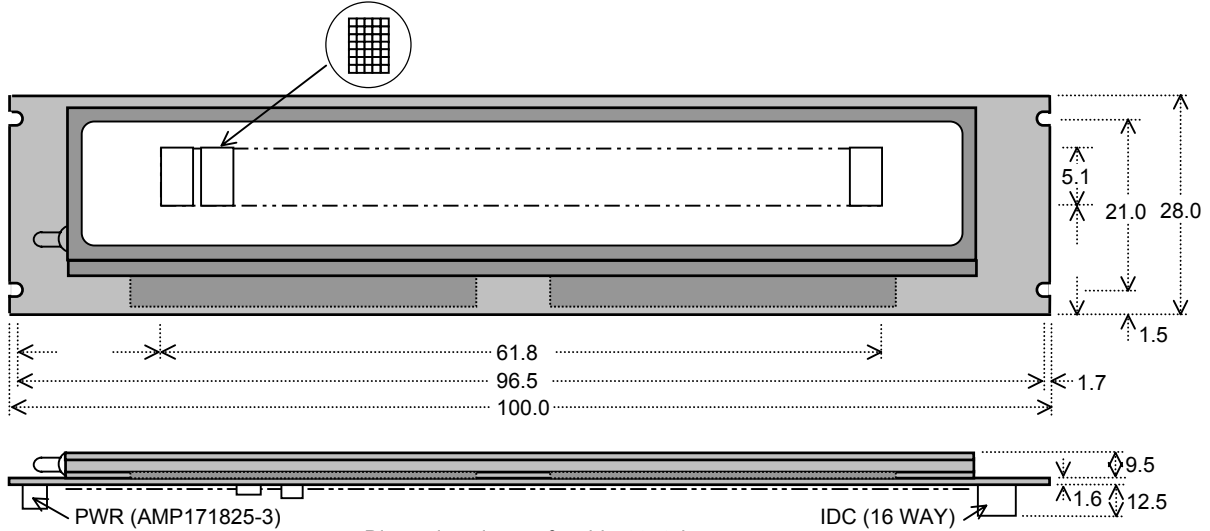


5X7 Dot Character VFD Module

CU165ECPB-T2J

- ❑ 1 line of 16 Characters 5mm High
- ❑ High Speed Parallel/Serial Interface
- ❑ Operating Temp -10°C to +65°C
- ❑ Single 5V Supply
- ❑ High Brightness Blue Green Display
- ❑ ASCII & Extended Character Font
- ❑ 16 User Definable Character RAM

The module includes the Vacuum Fluorescent Display glass, driver and micro-controller ICs, character generator and interface logic. Interface level is TTL compatible and the module can be connected to the host with synchronous serial input. User defined characters and many control commands are available.



Dimensions in mm & subject to tolerances

ELECTRICAL SPECIFICATION

Parameter	Symbol	Value	Condition
Power Supply Voltage	V _{CC}	5.0VDC +/- 5%	GND=0V
Power Supply Current	I _{CC}	250mADC typ.	All dots ON
Logic High Input	V _{IH}	2.0VDC min.	V _{CC} =5V
Logic Low Input	V _{IL}	0.8VDC max.	V _{CC} =5V
+ve going threshold	VT+	2.8VDC typ.	V _{CC} =5V
-ve going threshold	VT-	2.0VDC typ.	V _{CC} =5V

The power on rise time should be less than 50ms. The inrush current at power on can be 2 x I_{CC}.

OPTICAL and ENVIRONMENTAL SPECIFICATIONS

Parameter	Value
Character Size/Pitch (XxY mm)	2.6x5.1/3.95
Dot Size/Pitch (XxY mm)	0.43x0.60/0.53x0.75
Luminance	700 cd/m ² (204 fL) Typ.
Colour of Illumination	Blue-Green (Filter for colours)
Operating Temperature	-10°C to +65°C
Storage Temperature	-40°C to +85°C
Operating Humidity (non condensing)	20 to 80% RH @ 25°C

5 Pin Power Connector.

Pin	Sig.
1	V _{CC}
2	GND
3	CS
4	CLK
5	DATA

Subject to change without notice.
Detailed specification on request.

D7	D6	D5	D4	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	0	0	0	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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