

Parametry panelu LCD T218010 dedykowanego procesorom MSP430:

1. Podstawowe parametry:

<i>Item</i>	<i>Characteristic</i>
<i>Display mode</i>	Positive mode
<i>Display type</i>	Reflective
<i>Viewing angle</i>	6 o'clock
<i>Connector</i>	Pin type
<i>Polarizer</i>	Wide temperature
<i>Driving</i>	Multiplex driving 1/4 duty, 1/3 bias

<i>Item</i>	<i>Symbol</i>	<i>Conditions</i>	<i>Standard</i>			
			Min.	Typ.	Max	
Operating voltage	V _{opr}		-	3,00	-	V
Operating frequency (Frame Frequency)	Fopr (f _{FRM})		-	64	-	Hz

2. Maksymalne wartości:

<i>Item</i>	<i>Symbol</i>	<i>Conditions</i>	<i>Standard</i>		<i>Unit</i>
			Min.	Max.	
AC supplied voltage	-	-	-	15	V
DC supplied voltage	-	≤1hr	-	5	V
Residual DC element	-	-	-	150	mV
Operating temperature range	T _{opr.}	-	0	60	°C
Storage temperature range	T _{str.}	-	-25	80	°C
Storage humidity (relative)	-	≤48hr	20	85	%RH
		≤1000hr	20	65	

3. Właściwości struktury:

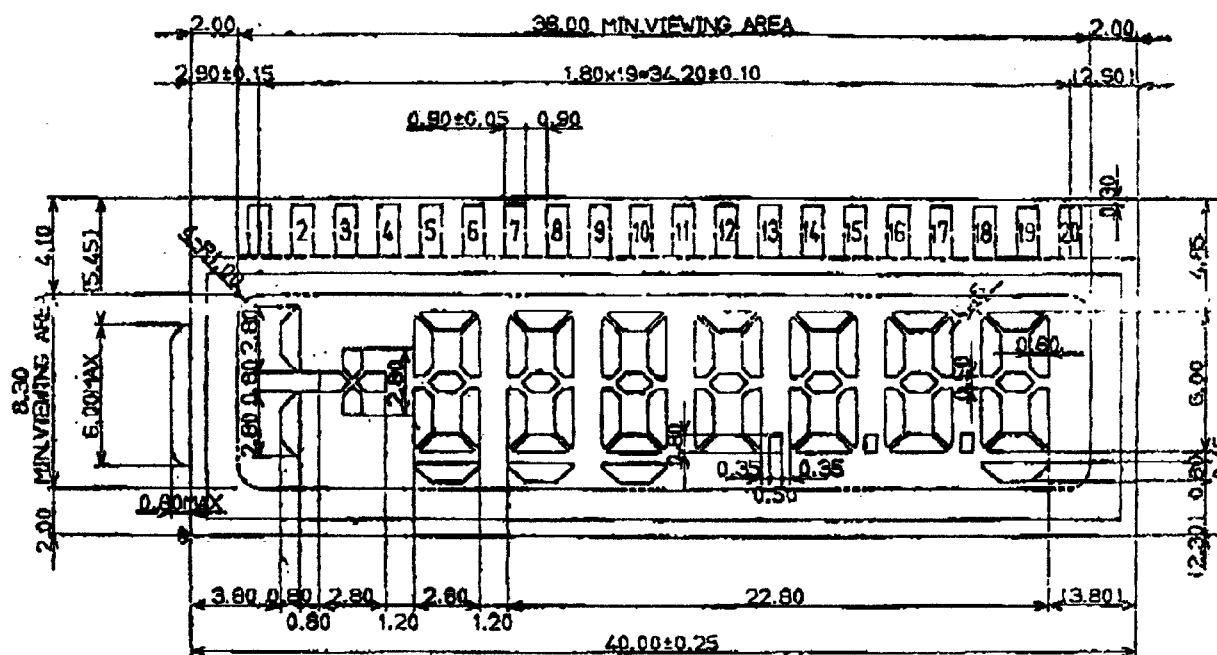
<i>ITEM</i>	<i>STRUCTURE</i>
SEAL	ORGANIC SEAL
FRONT POLARIZER	42% TRANSMISSIVE with UV resistant property
REAR POLARIZER	48% TRANSMISSIVE
	WITH REFLECTOR

<i>ITEM</i>	<i>ELECTRICAL&PHYSICAL DATA</i>
DRIVE METHOD	MULTIPLEX
OPERATING METHOD	¼ DUTY; 1/3 BIAS
FRAME FREQUENCY	64Hz
OPERATING VOLTAGE	3.0 V
THRESHOLD VOLTAGE (10% ON)	Vrms (25° C, 32Hz)
SATURATE VOLTAGE (90% ON)	Vrms (25° C, 32Hz)
POWER CONSUMPTION	μA/cm ² (25° C, 32Hz)
RISE TIME	mS (25° C, 32Hz)
DECAY TIME	mS (25° C, 32Hz)
OPERATING TEMPERATURE	0° C - 60° C
STORAGE TEMPERATURE	-25° C – 80° C
LIFE	MIN. 100 000 HOURS

4. Połączenia:

Nr	COM1	COM2	COM3	COM4
1	-	-	COM3	-
2	-	-	-	COM4
3	-	COM2	-	-
4	COM1	-	-	-
5	7C	-	7H	7E
6	6C	6F	6H	6E
7	6A	6B	6D	6G
8	5C	5F	5H	5E
9	5A	5B	5D	5G
10	4C	4F	4H	4E
11	4A	4B	4D	4G
12	3C	3F	3H	3E
13	3A	3B	3D	3G
14	2C	2F	2H	2E
15	2A	2B	2D	2E
16	1C	1F	1H	1E
17	1A	1B	1D	1G
18	0C	0F	0H	0E
19	0A	0B	0D	0G
20	COM1	-	-	-

5. Wymiary i wygląd



Wyświetlacz jest podłączany przez 20 pinów o rastrze 1,6 mm.