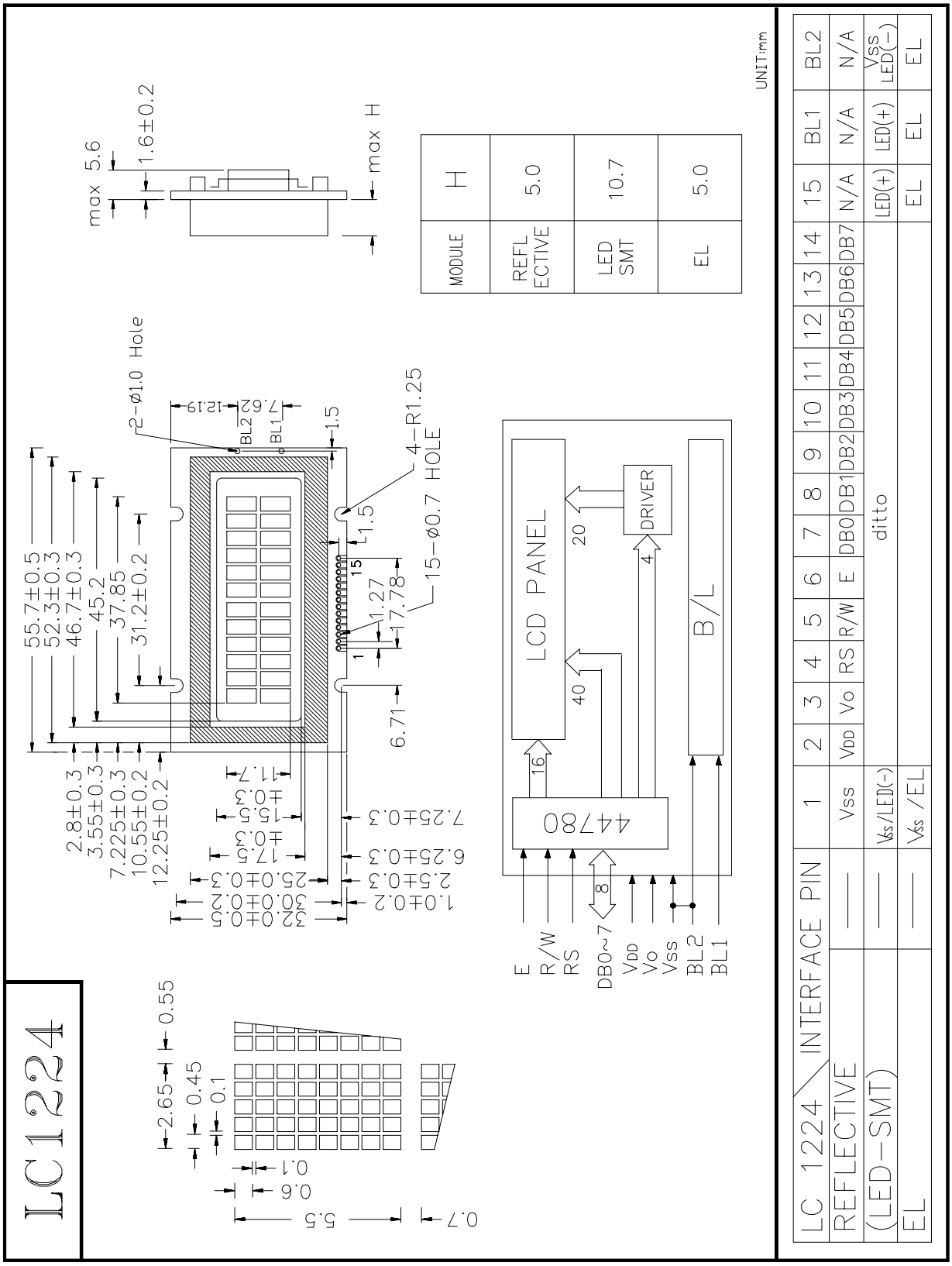
1. LCM Drawing



2. Electrical spec

LC1224

12 Characters X 2 Lines
1/16 DUTY 5x8 Font

ELECTRICAL CHARACTERISTICS

T_a= 25^{o}C V_{DD}=5.0+-0.25 v

Input "High" Voltage (V_{IH})	2.2	V min
Input "Low " Voltage (V_{IL})	0.6	V max

APPLICABLE FOR -LNA

	TN TEMPERATURE		STN TEMPERATURE	
	NORMAL	WIDE	NORMAL	WIDE
Supply Current,(I_{DD})Typ.,mA	1	IPD	1	1
Recommend LCD drive Voltage:				
(V_{DD}-V_O)at T_a = -20^{o}C,Volts	N/A	IPD	N/A	7.6
T_a = 0^{o}C	5.1	IPD	5.0	7.3
T_a = 25^{o}C	4.9	IPD	4.7	7.0
T_a = 50^{o}C	4.5	IPD	4.4	6.6
T_a = 70^{o}C	N/A	IPD	N/A	6.3

ABSOLUTE MAXIMUM RATINGS

	NORMAL TEMPERATURE		WIDE TEMPERATURE	
	MIN	MAX	MIN	MAX
Input Voltage (V_I) V	0	V_{DD}	0	V_{DD}
Supply for Logic (V_{DD}-V_{SS}) V	0	7	0	7
Supply for LCD (V_{DD}-V_O) V	0	10	0	10
Operating Temperature T_{OP},^{o}C	0	+50	-20	+70
Storage Temperature T_{ST},^{o}C	-20	+70	-30	+80

OPTION

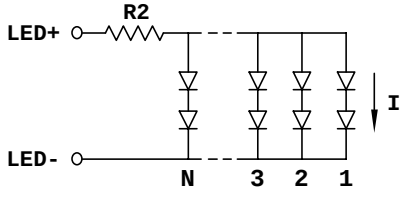
BACKLIGHT

INPUT VOLTAGE & CURRENT

REFLECTIVE
-BLSXX -- LED SMT + 5V DC;80 mA R2= 12 Ohm 1/8 W

*R2:Suggest BL current limit resistor on customer board

SMT LED



N*= 8 *I*= 10 *mA

----- Single +5V for wide temperature operation --------

***SINGLE +5V OPERATION** only*

-- not available --

TEMPERATURE COMPENSATION

-- not available --