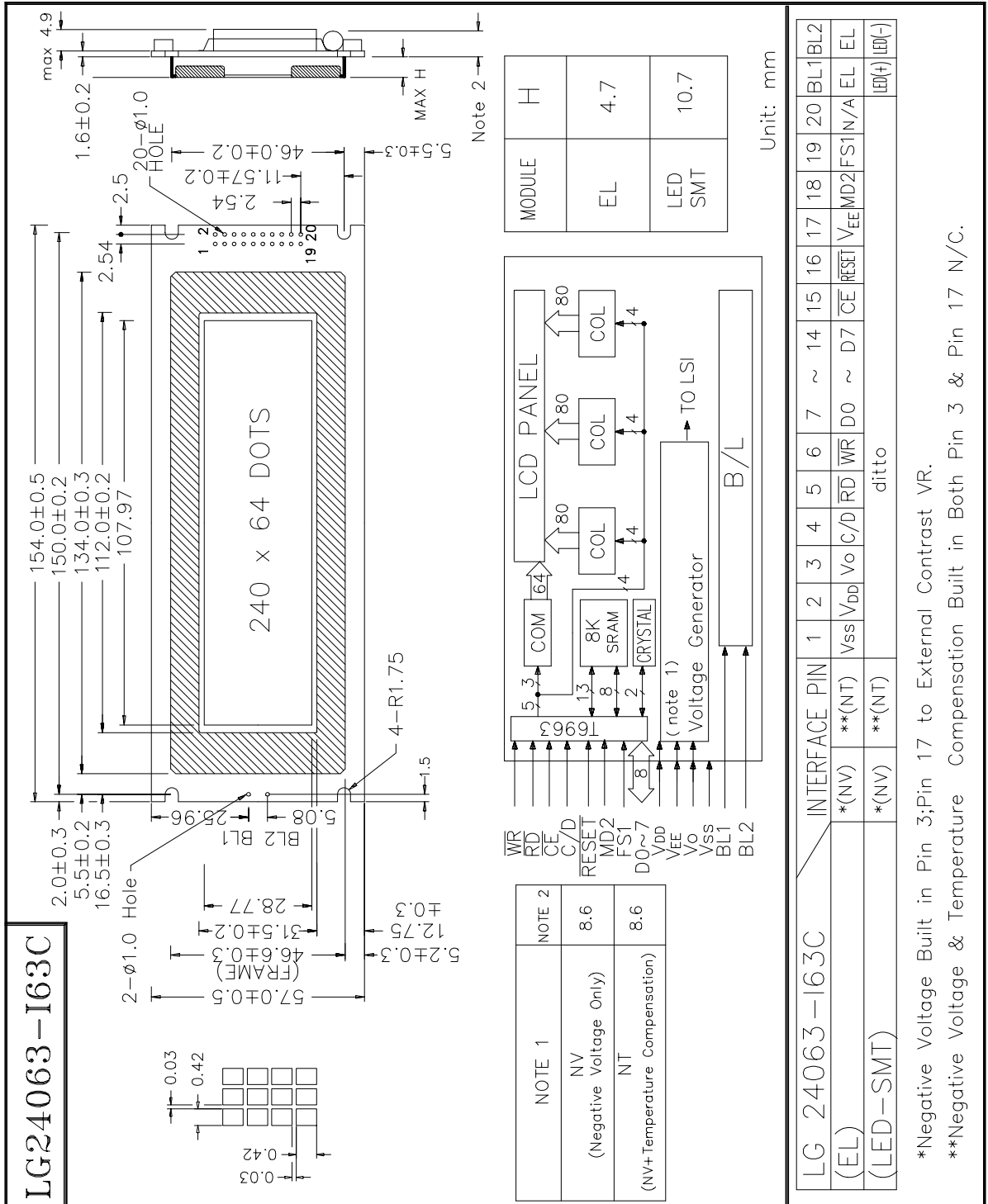


1. LCM Drawing



2. Electrical spec

LG24063-I63C

2 4 0 X 6 4 Dots 1 / 6 4 D U T Y

ELECTRICAL CHARACTERISTICS

T_a = 25°C V_{DD} = 5.0 ± 0.25 v

Input "High" Voltage (V_{IH}) 2.2 V min

Input "Low " Voltage (V_{IL}) 0.8 V max

APPLICABLE FOR -LEP

STN
TEMPERATURE
NORMA WIDE

Supply Current, (I _{DD}) Typ., mA	10	10
Supply Current, (I _{EE}) Typ., mA	3.5	3.5
Supply Voltage, (V _{EE}) Typ., V	-10	-10
Recommend LCD drive Voltage: (V _{DD} -V _O) at T _a = -20°C, Volts	N/A	14.9
T _a = 0°C	13.9	13.9
T _a = 25°C	13.6	13.6
T _a = 50°C	13.3	13.3
T _a = 70°C	N/A	12.9

ABSOLUTE MAXIMUM RATINGS

	<u>NORMAL</u> <u>TEMPERATURE</u>		<u>WIDE</u> <u>TEMPERATURE</u>	
	<u>MIN</u>	<u>MAX</u>	<u>MIN</u>	<u>MAX</u>
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	24	0	24
Operating Temperature T _{OP} , °C	0	+50	-20	+70
Storage Temperature T _{ST} , °C	-20	+70	-30	+80

OPTION

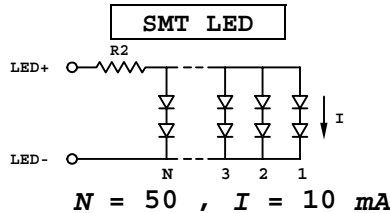
BACKLIGHT

- BEXX -- EL
- BLSXX -- LED SMT

INPUT VOLTAGE & CURRENT

100 V_{RMS} (400-800) Hz; 12.0mA
+ 5V DC; 500 mA R2= 2 Ohm 1 W

*R2:Suggest BL current limit resistor on customer board



----- **Single +5V Operation** -----

SINGLE +5V OPERATION *only*

- VNV
- VEE self-generate --

TEMPERATURE COMPENSATION

- VNVTC (-VNT)
- V_{DD}-V_O self-generate & compensated**