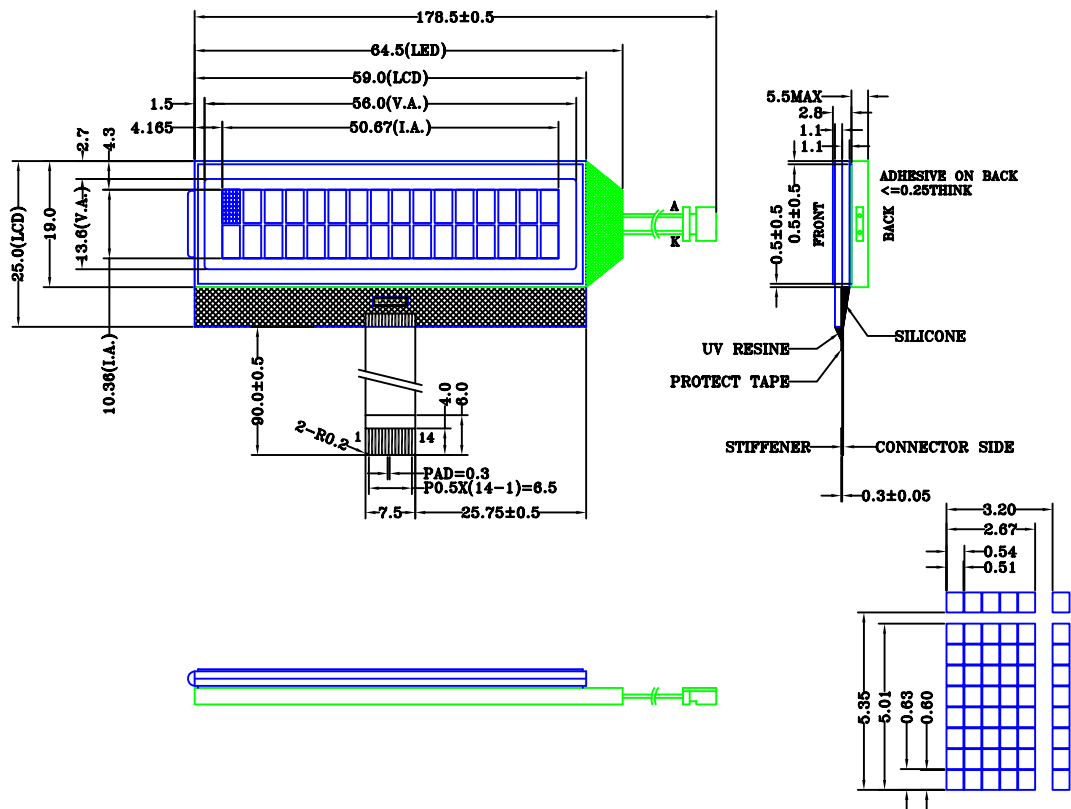


BEYONDTEK, INC. BTC-16210G



I/O CONNECTION		
Pin No	Symbol	Function
1	GND	Power supply (GND)
2	V5	Power supply for LCD
3	VDD	Power supply (+)
4	RS	Register select signal
5	R/W	Read/write select signal
6	E	Enable signal
7	DB0	Data bus line
8	DB1	Data bus line
9	DB2	Data bus line
10	DB3	Data bus line
11	DB4	Data bus line
12	DB5	Data bus line
13	DB6	Data bus line
14	DB7	Data bus line

NOTE: 1 TOLERANCES UNLESS OTHERWISE SPECIFIED: ±0.20mm
 2 ALL DIMENSIONS ARE IN mm
 3 VIEWING ANGLE: 6 O'CLOCK
 4 MULTIPLEX LEVEL: 1/16 DUTY, 1/5 BIAS
 5 DISPLAY MODE: STN YELLOW-GREEN/GRAY/BLUE & FSTN
 6 POLARIZER REFLECTIVE: TRANSFLECTIVE/ POSITIVE
 7 CONNECTORS: COG&FPC
 8 DATA TRANSFER: 8-BIT PARALLEL DATA TRANSFER
 9 BACKLIGHT: LED
 10 COLOR OF BACKLIGHT: WHITE
 11 BACKLIGHT CONNECTOR: MOLEX 51021-020 OR EQUIVALENT, PIN I IS CATHODE

ABSOLUTE MAXIMUM RATING					
ITEM	Symbol	Condition	Min	Max	Units
Power supply for logic	Vdd-Vss	25°C	-0.3	7.0	V
Operating voltage for LCD	Vdd-V0	25°C	0	Vdd+0.3	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V
Operating temperature	Top	--	-20	70	°C
Storage temperature	Tstg	--	-30	80	°C

ELECTRO-OPTICAL CHARACTERISTICS						
ITEM	Symbol	Condition	Min	Typ	Max	Units
Power supply for logic	Vdd-Vss	25°C	4.5	5.0	5.5	V
LCM current consumption(No B/L)	Id	Vdd=5V	--	--	2.0	mA
		-20°C	4.7	5.0	5.3	V
		25°C	4.7	5.0	5.3	V
Operating voltage for LCD	Vdd-V0	70°C	4.7	5.0	5.3	V
Backlight current consumption	ILed	VB/L=3.2V	--	20.0	--	mA

