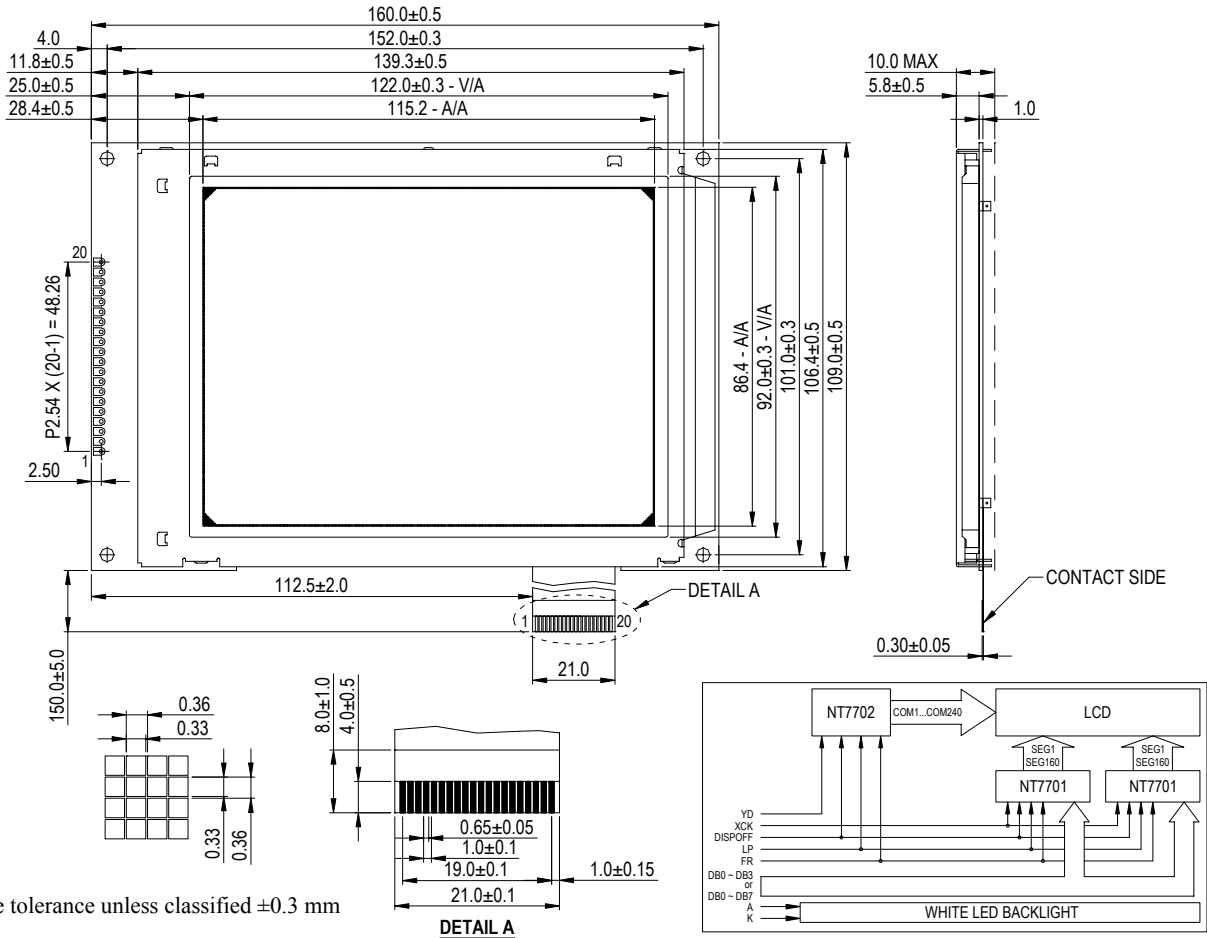




STANDARD GRAPHICS MODULES

G2432X14..... OUTLINE DIMENSION AND BLOCK DIAGRAM



The tolerance unless classified ±0.3 mm

PIN ASSIGNMENT		
NO	SYMBOL	FUNCTION
1	VSS	GROUND TERMINAL
2	VDD	SUPPLY TERMINAL
3	D0	DATA BUS LINE
4	D1	DATA BUS LINE
5	D2	DATA BUS LINE
6	D3	DATA BUS LINE
7	D4	NC
8	D5	NC
9	D6	NC
10	D7	NC
11	XCK	X - DRIVER SHIFT CLOCK
12	/DISPOFF	DISPLAY OFF
13	LP	LATCH PULSE
14	FR	LCD DRIVE OUTPUT AC SIGNAL
15	YD	FRAME SIGNAL
16	V0	LCD CONTRAST ADJUST
17	VEE	POSITIVE SUPPLY VOLTAGE
18	VSS	GROUND TERMINAL
19	BL+	LED BACKLIGHT POWER SUPPLY
20	BL-	LED BACKLIGHT GROUND

NOTE :
 1. BACKLIGHT - : SIDE LED BACKLIGHT
 2. OTHER OPTION - INTERNAL VEE
 3. DEFAULT IS 4 BIT MODE

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Conditions	Min.	Max.	Unit
Power Supply Voltage	Vdd-Vss	-	0	7.0	V
LCD driver supply voltage	Vee - Gnd	-	-	26.0	V
OPERATING TEMPERATURE	Topr	Normal	-10	+60	°C
STORAGE TEMPERATURE	Tstg	Normal	-20	+70	°C

ELECTRICAL CHARACTERISTIC (Vdd = + 5v, Ta = 25°C)						
Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
Logic Supply Voltage	Vdd	-	4.5	5.0	5.5	V
"H" Input Voltage	V _{ih}	-	0.8Vdd	-	Vdd	V
"L" Input Voltage	V _{il}	-	0	-	0.3Vdd	V
Module Supply Current	I _{dd}	-	-	20.0	50.0	mA
LCD Driving Voltage	V _{LED}	Vo - Gnd	21.9	23.0	24.1	V

BACKLIGHT OPTION					
LED COLOR	OPTION	CONDITION	FORWARD CURRENT (mA)		
			MIN	TYP	MAX
WHITE	YES	V _{led} = 5.0V R _{led} = 5.0 ohm	-	190	-
BLUE	NO	-	-	-	-
AMBER	NO	-	-	-	-
CCFL	NO	-	-	-	-

CCT reserves the right to vary or make changes to the specifications of the module in this brochure at any time without prior notice. CCT further assumes no responsibility for its use, nor for any infringements of patents, pending applications or the rights of thirds parties as a result of its use.