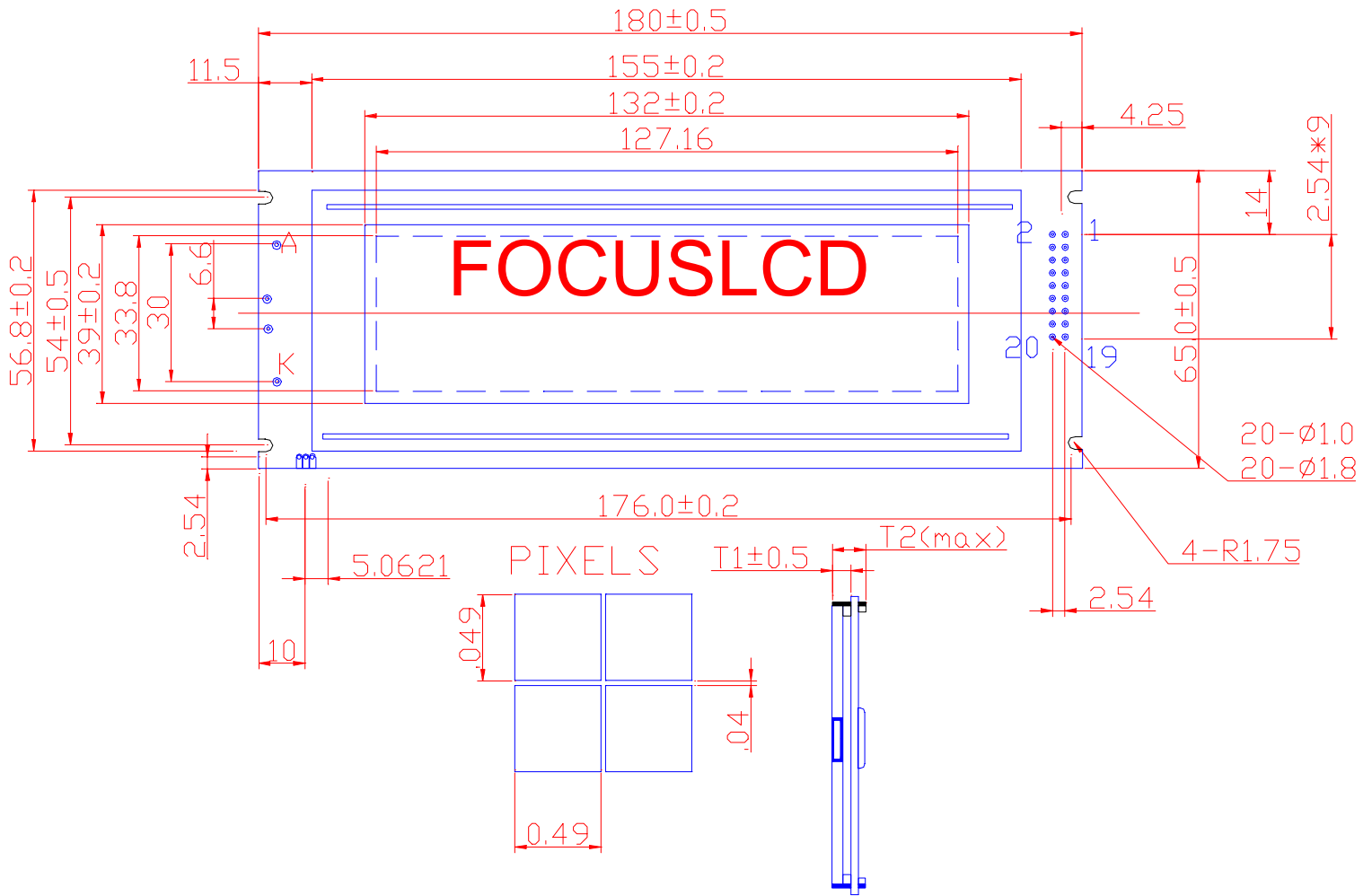


FOCUS DISPLAY SOLUTIONS

WWW.FOCUSLCD.COM FDS240x64(176x54)XBG



NO	SYM	LEV	FUNCTION
1	FGND	-	Frame Ground
2	VSS	-	Power supply
3	VDD	-	Power supply
4	V0	-	Contrast adjustment
5	/WR	-	write enable signal
6	/RD	-	read enable signal
7	/CE	-	chip enable signal
8	H/L	-	H: instruction L: Data
9	VEE	-	Neg voltage output
10	/RET	-	reset signal
11	DB0	-	data bus line
12	DB1	-	data bus line
13	DB2	-	data bus line
14	DB3	-	data bus line
15	DB4	-	data bus line
16	DB5		data bus line
17	DB6		data bus line
18	DB7	-	data bus line
19	FS		Font selection
20	NC		
A	LED+		+4.2V for BKL
K	LED-		Power supply for BKL (0V)

Absolute Maximum Rating

ITEM	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
Power supply for logic	V_{DD-VSS}	Ta = 25°C	-0.3	---	+7.0	V
Input Voltage	V_i	Ta = 25°C	-0.3	---	VDD+0.3	V
Operation Temperature	T _{OPR}	---	0	---	+50	°C
Storage Temperature	T _{STG}	---	-10	---	+60	°C

Electrical Characteristics

ITEM	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
Input Voltage	V _{DD}	---	4.5	5.0	5.5	V
Supply Current	I _{DD}	V _{DD} =5.0	--	7.2	8.0	mA
LEDBKL voltage	V _F	T _a = 25°C		4.2	4.6	V
LEDBKL current	I _F	V _F =4.2V		450		mA
Supply Current	V _{DD} - V ₀	T _a = -20°C		--		V
		T _a = 0°C		12.8		
		T _a = 25°C		12.6		
		T _a = 50°C		12.4		
		T _a = 70°C		---		

Absolute Electrical Ratings

PARAMETER	SYMBOL	SPECIFICATIONS	UNIT
Operation Temp. Range	T _{OPR}	-20 ~ +70	°C
Storage Temp. Range	T _{STG}	-30 ~ +80	°C

Feature:

- 240X64 dots graphic LCD module
- Built in controller (T6963C)
- 5.0V power supply
- Dot Size: 0.49 W X 0.49 H
- Dot Pitch: 0.53 W X 0.53 H
- STN; 1/64 duty, LED BKL or EL BKL or CCFL BKL
- Module Dimen: 180.0 x 65.0 mm
- Viewing area: 132.0x 39.0 mm

Thickness:

- EL&NO T1: 4.8 mm T2: 10.0 mm
- Backlight T1: 4.8 mm T2: 10.0 mm
- LED Backlight T1: 4.8 mm T2: 10.0 mm