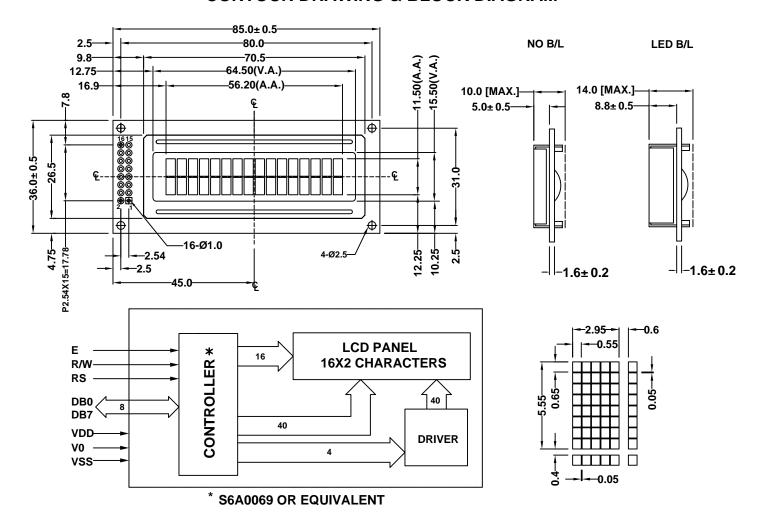


AV DISPLAY (N. AMERICA) LTD.

AMC1602L

CONTOUR DRAWING & BLOCK DIAGRAM



MECHANICAL SPECIFICATION					
ITEM	SPECIFICATION	UNIT			
Module Size	85.0X36.0X10.0/14.0	mm			
Viewing Area	64.5X15.5	mm			
Character Font	5 x 7 + cursor	dots			
Character Size	2.95X5.55	mm			
Character Pitch	3.55X5.95	mm			
Dot Size	0.55X0.65	mm			

ABSOLUTE MAXIMUM RATINGS							
PARAMETER	SYMBOL	MIN.	MAX.	UNIT			
Supply Voltage	Vdd	-0.3	7.0	٧			
LCD Supply Voltage	Vlcd(Vdd-V0) -13.5		0.3	٧			
Input Voltage	Vin	Vin -0.3		٧			
Operating Temperature*	Тор	0/-20	50/70	° C			
Storage Temperature*	Tstr	-10/-30	60/80	° C			
*T1/T2: T1for standard temperature LCM, T2 for wide temperature LCM							

PIN CONNECTIONS					
PIN	SYMBOL	DESCRIPTION			
1	VSS	Power Supply : 0V			
2	VDD	Power Supply : +5V			
3	V0	Power Supply for LCD			
4	RS	Register Select			
5	R/W	Read/Write			
6	E	Enable			
7 to 14	DB0-DB7	Data Bus			
15	Α	Anode for backlight			
16	K	Cathode for backlight			

ELECTRICAL CHARACTERISTICS(Ta=25° C)							
ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	
Supply Voltage(logic)	Vdd	-	4.5	5.0	5.5	٧	
Supply Current(logic)	ldd	Vdd=5.0	0.8	1.2	1.5	mA	
Driving Voltage(LCD)	Vlcd	-	4.5	5.0	5.5	٧	
Driving Current(LCD)	llcd	-	-	0.2	0.4	mA	

BACKLIGHT CHARACTERISTICS (Ta=25° C)						
PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage	Vf	lf=120mA	3.8	4.1	4.3	٧
LED Forward Current	If		-	120	-	mA
LED Dissipation	Pd		-	490	-	mW