



PINS ASSIGNMENT	
NO.	SYMBOL DESCRIPTION
1	VSS POWER SUPPLY
2	VDD POWER SUPPLY
3	V0 OPERATING VOLTAGE FOR LCD
4	RS DATA/INSTRUCTION SELECT
5	R/W READ/WRITE CONTROL
6	E ENABLE SIGNAL
7--14	DB0--DB7 DATA BUS

ABSOLUTE MAXIMUM RATING				
ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY (LOGIC)	VDD-VSS	-0.3	7.0	V
POWER SUPPLY (LCD DRV.)	VDD-V0	-0.3	13.5	V
INPUT VOLTAGE	VI	-0.3	VDD	V

ELECTRICAL CHARACTERISTICS (VDD=5.0±0.25V, 25°C)					
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT	IDD	-	1.0	1.2	mA
VOLTAGE FOR LCD	VDD-V0	-	4.6	-	V
INPUT VOLTAGE	H	2.2	-	VDD	V
	L	-0.3	-	0.6	V
OUTPUT VOLTAGE	H	VoH	2.4	-	V
	L	VoL	-	0.4	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	72.0W x 27.0H x 5.70T	MM
VIEWING AREA	61.0W x 9.50H	MM
CHARACTERS	16 CHARACTERS x 1 LINES	MM
CHARACTER SIZE	3.16W x 5.56H	MM
CHARACTER PITCH	3.60W x 5.56H	MM

OPTIONS	
1.	LCD TYPE: TN, POSITIVE
2.	BACKLIGHT: WITHOUT BACKLIGHT;
3.	TEMPERATURE RANGE: NORMAL(0--50C)
4.	POWER SUPPLY: 5.0V;
5.	VIEWING ANGLE: 6H;
7.	CHARACTER TABLE: JAPANESE;

REVISIONS			DESCRIPTION
NO.	DATE	BY	NEW RELEASE
1	04/09/04	A.CH	

NT-C1619A

16 CHARACTERS X 1 LINES



ALL DIMENSIONS ARE IN MM. TOLERANCE IS ±0.2 UNLESS OTHERWISE NOTED.



NELY, YOUR SUPPLIER, AND YOUR PARTNER!