



FEATURES

- ◆ BUILT-IN CONTROLLER (IST3017)
- ◆ +3.0 V POWER SUPPLY
- ◆ 1/80 DUTY CYCLE
- ◆ 8-BIT PARALLEL INTERFACE

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	67.0 x 30.0 x 2.0	mm
Viewing Area (W x H)	60.425 x 20.385	mm
Active Area (W x H)	58.225 x 18.185	mm
Dot Size (W x H)	0.265x 0265	mm
Dot Pitch (W x H)	0.28 x 0.28	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	V _{DD}	3V	Power Supply Voltage
2	/RD	L	Read Signal
3	/WR	L	Write Signal
4	/CS1	L	Chip Signal
5	V _{SS}	0V	Power Supply Ground
6	A ₀	H/L	Data Type Select
7-14	DB0-DB7	H/L	Data Bus Line
15	/RES	H/L	Reset Signal

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	V _{DD} -V _{SS}	0	-	6	V
Supply Voltage For LCD Drive	V _{DD} -V _o	0	-	20	V
Input Voltage	V _I	V _{SS}	-	V _{DD}	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	
Supply Voltage For Logic	V _{DD} -V _{SS}	-	2.4	3	3.6	V	
LCD Supply Voltage	V _{DD} -V _o	V _{DD} =3V Ta=25°C	8.7	9	9.3	V	
Supply Current	I _{DD}	V _{DD} =3V	-	16	25	mA	
Input Voltage	"HIGH" Level	V _{IH}	-	2.2	-	V _{DD}	V
	"LOW" Level	V _{IL}	-	-	-	0.6	V
Output Voltage	"HIGH" Level	V _{OH}	-	2.4	-	-	V
	"LOW" Level	V _{OL}	-	-	-	0.4	V