

UNCONTROLLED DOCUMENT

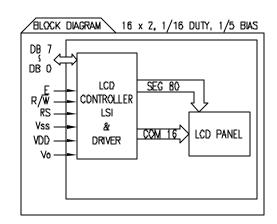
PART NUMBER

LCM-S01602DTR/M

PIN CONFIGURATION

/		\							
PIN NO.	SYMBOL	LEVEL	FUNCTION						
1	V59	-		GND (OV)					
2	V_{DD}	-	POWER SUPPLY	Y 5V					
3	Vo	-		FOR LCD DRIVE					
4	RS	H/L	REGISTER SELECT SIGNAL						
			H: DATA INPUT						
			L: INSTRUCTION INPUT						
5	R/W	H/L	H: DATA READ (MODULE>MPU)						
			L: DATA WRITE (MODULE <mpu)< td=""></mpu)<>						
6	E	H , H->L	ENABLE						
7~14	DBO~DB7	H/L	DATA BUS-SOFTWARE SELECTABLE 4 OR 8 BIT MODE.						
15	NC	ı	NO CONNECTION						
16	NC	I	NO CONNECTION						

V_{DD}−Vo: LCD DRIVING VΩLTAGE VR: 10KΩ -20KΩ V_{DD} V٥ (GND)



REV.

FLECTRICAL CHARACTERISTICS

REV.

Vnn=4.7V to 5.3V, Ta=25°C

/ EEFONGOE ON WOLF (1881) 03 (1971) 1.77 (18 0.101), 1A 200							
ITEM		SYMBOL	CONDITION	STANDARD VALUE			UNIT
IIEW	MIN.			₽.	MAX.	UNII	
SUPPLY VOLTAGE FOR	V _{DD} -Vss	Ī	1	5.0	1	>	
SUPPLY CURRENT FOR	OD	V _{DD} =5V	1	2.0	3.0	mΑ	
	HIGH	٧ _{IH}	-	2.2	-	۷DD	٧
INPUT VOLTAGE	LOW	٧ _{IL}	-	0	-	0.6	٧
	HIGH	VOH		2.4	_	_	٧
OUTPUT VOLTAGE	LOW	V _{OL}		_	_	0.4	٧

/ ABSOLUTE MAXIMUM RATINGS

\				
CAMBUI	TEST	STANDARD VALUE		
JIMDOL	CONDITION	MIN	MAX	
VDD-Vss	Ta=25°C	4.7	5.3	
VDD-V0	-	4.2 0 50°C	4.8 © D°C	
٧I	Ta=25°C	Vss	Λ ^{DD}	
Topr	LCM-S	0	50	
Tstg	LCM-S	-20	70	
	VDD-Vo V _I Topr	SYMBOL CONDITION VDD-Vss Ta=25°C VDD-Vo - V1 Ta=25°C Topr LCM-S	SYMBOL CONDITION MIN VDD-Vss Ta=25°C 4.7 VDD-Vb - 4.2050°C V Ta=25°C Vss Topr LCM-S 0	

**UNILESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), XXX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). NIN= +DECINAL PRECISION NAX.= +0.00 (±0.002), XXX=±0.127 (±0.005).

PART NUMBER

LCM-S01602DTR/M

16 x 2 CHARACTER LCD MODULE, TN, REFLECTIVE. 1/16 DUTY, 1/5 BIAS.

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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SCALE: N/A