



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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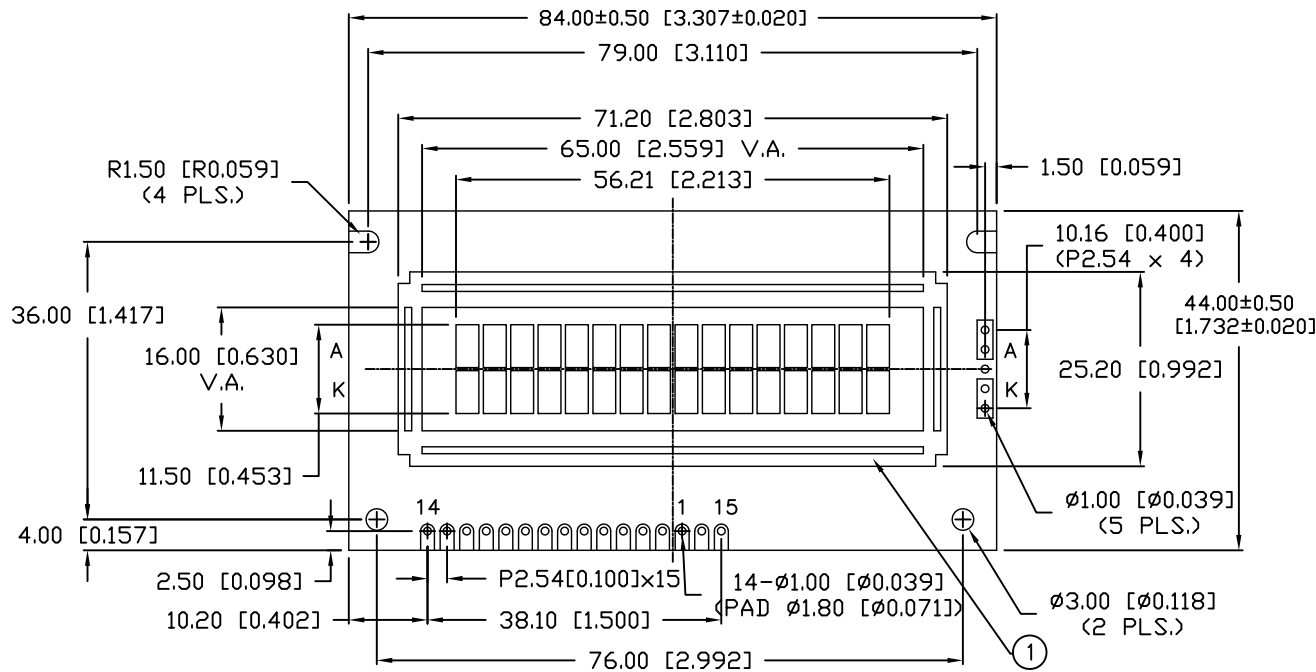
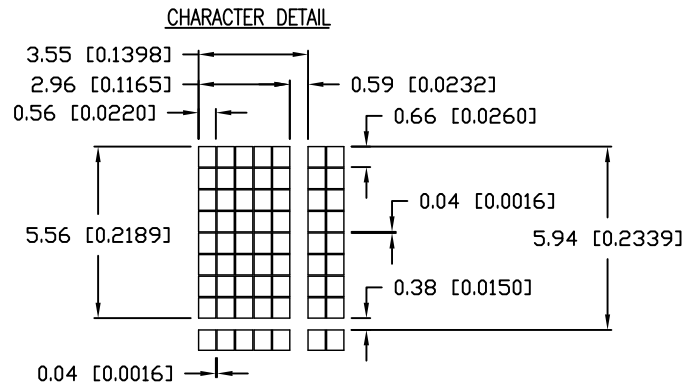
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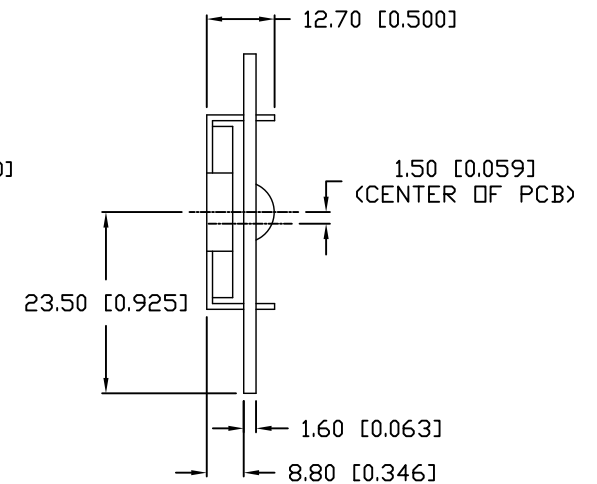
PIN No.	SIGNAL
1	VSS
2	VDD
3	VO
4	RS
5	R/W
6	E
7	DB0
8	DB1
9	DB2
10	DB3
11	DB4
12	DB5
13	DB6
14	DB7
15	A
16	K

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



NOTES:

1. BLACK BEZEL.



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.=^{+DECIMAL PRECISION}-0.00 MAX.=^{-DECIMAL PRECISION}+0.00

REV.	PART NUMBER LCM-S01602DSF/GYB
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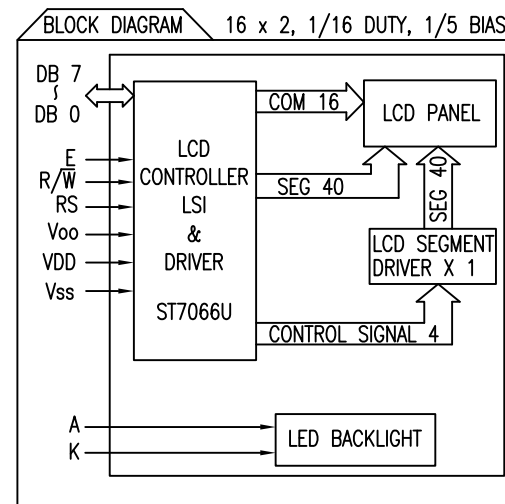
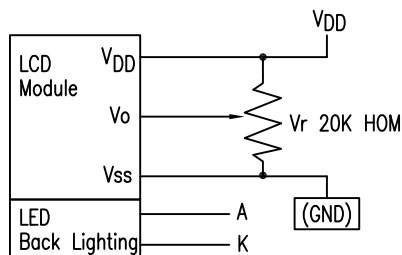
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5.56mm CHAR HT, 5x8 DOT MATRIX, TRANSFL, Y/G BKLT
16 x 2 LCD MODULE, 1/16 DUTY, 1/5 BIAS, STN, BLK BZL.

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.

DRAWN BY: MA	CHECKED BY: DT	APPROVED BY: DT	DATE: 10.14.13 PAGE: 1 OF 2 SCALE: N/A
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PIN CONFIGURATION						
PIN NO.	SYMBOL	LEVEL	FUNCTION			
1	V _{SS}	-	POWER SUPPLY	GND (0V)		
2	V _{DD}	-		5.0V		
3	V _O	-		CONTRAST ADJUST		
4	RS	H/L	REGISTER SELECT SIGNAL H: DATA INPUT L: INSTRUCTION INPUT			
5	R/ \bar{W}	H/L	H: DATA READ (MODULE \rightarrow MPU) L: DATA WRITE (MODULE \leftarrow MPU)			
6	E	H,H \rightarrow L	ENABLE			
7~14	DB0~DB7	H/L	DATA BUS—SOFTWARE SELECTABLE 4 OR 8 BIT MODE.			
15	A	4.2V	LED POWER SUPPLY (+)			
16	K	0V	LED POWER SUPPLY (-)			



ELECTRICAL CHARACTERISTICS		T _A = 25°C		STANDARD VALUE			UNIT
ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.		
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -V _{SS}	-	4.5	5.0	5.5	V	
SUPPLY CURRENT FOR LOGIC	I _{DD}	V _{DD} =5.0V	-	2.0	3.0	mA	
LCD DRIVING VOLTAGE	V _{DD} -V _O	T _a =25°C	4.2	4.5	4.8	V	
INPUT VOLTAGE	HIGH	V _{IH}	-	2.0V	-	V _{DD}	V
	LOW	V _{IL}	-	0.0	-	0.60	V

ABSOLUTE MAXIMUM RATINGS						
ITEM	SYMBOL	TEST CONDITION	STANDARD VALUE		UNIT	
			MIN	MAX		
SUPPLY VOLTAGE FOR LOGIC	V _{DD} -V _{SS}	T _a =25°C	-0.3	7.0	V	
SUPPLY VOLTAGE FOR LCD DRIVE	V _{DD} -V _O	-	-0.3	10	V	
INPUT VOLTAGE	V _I	T _a =25°C	-0.3	V _{DD}	V	
OPERATING TEMPERATURE	T _{opr}	LCM-S	0	50	°C	
STORAGE TEMPERATURE	T _{stg}	LCM-H	-20	+70	°C	

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