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			Specification		
Part			MC21605G6WD		
Numb	er:	•			
Versic	on:	1			
Date:		29/08/2011			
			Revision		
No.	Date	2	Description	Item	Page
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BOOKBINDING AREA

DOC.

DATASHEET STATEMENT

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 4.1: providing quick reference when you are judging whether or not the product meets your requirements.
 4.2: listing out definitely the tolerance.

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- 5. The sequence of the icons is random and doesn't indicate the importance grade.
- 6. Icons explanation

Midas 2006 version logo.Midas is an integrated manufacturer of flat panel display (FPD). Midas supplies TN, HTN, STN, FSTN monochrome LCD panel; COB, COG, TAB LCD module; and all kinds of LED backlight.



FAST RESPONSE TIME

This icon on the cover indicates the product is with high response speed; Otherwise not.

C			
	Н	С	
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HIGH CONTRAST

This icon on the cover indicates the product is with high contrast; Otherwise not.



WIDE VIEWING SCOPE

This icon on the cover indicates the product is with wide viewing scope; Otherwise not.



RoHS COMPLIANCE

This icon on the cover indicates the product meets ROHS requirements; Otherwise not.



3TIMEs 100% QC EXAMINATION This icon on the cover indicates the product

has passed Midas thrice 100% QC. Otherwise not.



VIcm = 3.0V

This icon on the cover indicates the product can work at 3.0V exactly; otherwise not.



PROTECTION CIRCUIT

This icon on the cover indicates the product is with protection circuit; Otherwise not.



LONG LIFE VERSION

This icon on the cover indicates the product is long life version (over 9K hours guaranteed); Otherwise not.



Anti UV VERSION

This icon on the cover indicates the product is against UV line. Otherwise not.



OPERATION TEMPERATURE RANGE

This icon on the cover indicates the operating temperature range (X-Y).



TWICE SELECTION OF LED MATERIALS

This icon on the cover indicates the LED had passed Midas twice strict selection which promises the product's identical color and brightness; Otherwise not.



N SERIES TECHNOLOGY (2008 developed) New structure, new craft, new technology and new materials inside both LCD module and LCD panel to improve the "RainBow"

Midas LCD Part Number System

MC	COG	132033	Α	*	6	w	*	*	-	S	Ν	т	L	w	*	*
1	2	3	4	5	6	7	8	9	-	10	11	12	13	14	15	16
1	=	MC: Midas	Сотро	onents												
2	=	Blank: COE	B (chip	on boa	rd) CO	G: chip	on glas	s								
3	=	No of dots		(e.g. 2	40064	= 240 x	x 64 dot	s)	(e	.g. 216	05 = 2	x 16 5m	m C.H.)		
4	=	Series														
5	=	Series Varia	nt:	A to Z	Z – see	addend	um									
6	=	3: 3 o'clock		6: 6 o'	clock	Ģ) : 9 o'cl	ock	12	2 : 12 o'	clock					
7	=	S: Normal (0 to +	50 deg	C) W :	Wide t	emp. (-	20 to +	70 de	gC)X:	Exten	ded ten	np (-30 -	⊦ 80 De	gC)	
8	=	Character S	et													
		Blank: Stan C: Chinese S CB: Chinese H: Hebrew K: Europea L: English/ M: Europea R: Cyrillic W: Europea U: Europea	Simplif Big 5 n (std) Japane n (En an (En	fied (Gr (Graph) (Englisese (spec glish/Sc glish/Gr	aphic] iic Disj sh/Ger cial) andina reek)	Display plays or man/Fr wian)	ıly) ench/G									
9	=	Bezel Heigh	t (whe	ere appl	icable .	/availał	ole)									
		Blank 9. 2 8. 3 7. 4 7. 5 9. 6 7 7 7 8 6. 9 6. A 5. B 5. D 6. F 4. G 3.			o Top	Com		5+ 16- non ate non ate non ate non ate ate ate ate ate ate ate ate ate		Array Edge I Array Array Array Array Array Array Array Edge Edge Edge Edge Edge Edge Edge Edge	Ait	•	54			
10	=	T: TN S : S [*]	ΓN B:	STN B	lue G :	STN G	rey F:	FSTN	F2: F	FSTN	V: VA	(Vertica	ally Alig	gned)		
11	=	P: Positive	N: Ne	gative												
12	=	R: Reflectiv	ие М :	Transm	issive	T: Trar	nsflectiv	ve								
13	=	Backlight:	Blank	Reflec	tive L	: LED										
14	=	Backlight C	olour:	Y: Ye	llow-G	reen W	White	e B: Bl	ue R:	Red A	: Ambe	er 0: 01	ange G	Green	RGB: 1	R.G.B.
15	=	Driver Chip				dard l	[: I ² C \$	S: SPI	T: Tos	hiba To	6963C	A: Ava	ant SAF	P1024B	R: R	aio RA6963
16	=	Voltage Var	r iant : e	e.g. 3 =	3v					D/D:		D			. ~	

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1. GENERAL SPECIFICATIONS

ITEM	NOMINAL DIMENSIONS / AVAILABLE OPTIONS
DISPLAY FORMAT	16 Characters by 2 Lines
LCD PANEL OPTIONS	STN (Yellow-Green color)
POLARIZER OPTIONS	Positive, Transflective
BACKLIGHT OPTIONS	Edge type LED backlight (Yellow-green color)
VIEWING ANGLE OPTIONS	6:00 (Bottom)
TEMPERATURE RANGE OPTIONS	Wide temp. range (-20°C ~ 70°C)
CONTROLLER IC	SUNPLUS
DISPLAY DUTY	1/16
DRIVING BIAS	1/5

2. MECHANICAL SPECIFICATIONS

OVERALL SIZE	LED backlight version : 80.0 x 36.0 x max 11.0					
VIEWING AREA	64.5W x 16.4H	mm	HOLE-HOLE	75.0W x 31.0H	mm	
CHARACTER SIZE	3.00W x <mark>5.</mark> 23H	mm	CHARACTER PITCH	0.51W x 0.52H	mm	
DOT SIZE	0.56W x 0.61H	mm	DOT PITCH	0.05W x 0.05H	mm	

3. ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	CONDITION	MIN	MAX	UNIT
POWER SUPPLY (LOGIC)	Vdd	25°C	-0.3	7.0	V
POWER SUPPLY (LCD)	V0	25°C	Vdd -13.5	Vdd +0.3	V
	Vin	25°C	-0.3	Vdd +0.3	V
OPERATING TEMPERATURE	Vopr		-20	70	°C
STORAGE TEMPERATURE	Vstg		-30	80	°C

4. ELECTRONICAL CHARACTERISTIC*

ITEM	SYMBOL	CONDITION	ST	UNIT		
	STIVIDUL	CONDITION	MIN	ΤΥΡ	MAX	UNTI
Input voltage	Vdd	+5V	4.7	5.0	5.5	V
Supply current	ldd	Vdd=5V		1.5		mA
		-20 [°] C	3.85		4.45	
Recommended LCD driving		0°C	3.80		4.35	
voltage for normal temp.	Vdd - V0	25 [°] C	3.75	4.00	4.30	V
Version module		50 [°] C	3.65		4.20	
		70 [°] C	3.50		4.05	
LED forward voltage	Vf	25 [°] C	3.8		4.4	V
LED forward current	lf	25 [°] C		20	30	mA
LED reverse Current	lr	25 [°] C		20		μA
LED Peak wave length	λρ	25 [°] C If = 20mA	568		575	nm
LED illuminance (Without LCD)	Lv	25 [°] C lf = 20mA	10		15	cd/m ²
LED life time		25 [°] C lf = 20mA	100K**			Hours

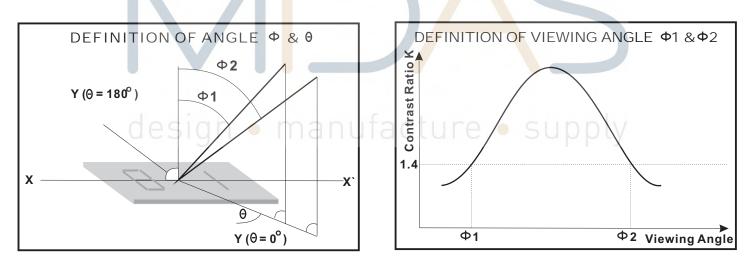
* The above data are for reference only.

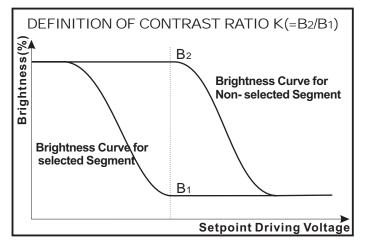
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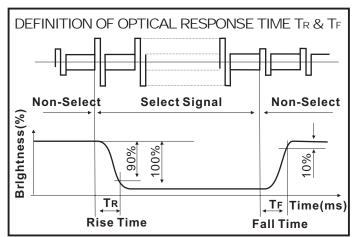
5. OPTICAL CHARACTERISTIC

FOR TN TYPE LCD MODULE (TA=25 °C, Vdd=5.0V ± 0.25V)									
ITEM	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT			
	Φ2 – Φ1	K=4	30			deq			
VIEWING ANGLE	Θ	N-4	25			ueg			
CONTRAST RATIO	К			2					
RESPONSE TIME(RISE)	TR			120	150	ms			
RESPONSE TIME(FALL)	TF			120	150	ms			

FOR STN TYPE LCD MODULE (TA=25 °C, Vdd=5.0V ±0.25V)										
ITEM	SYMBOL CONDITION MIN TYP									
VIEWING ANGLE	Φ 2 – Φ1	K=4	40			deg				
VIEWINGANGLE	Θ	N= 4	60			ueg				
CONTRAST RATIO	K			6						
RESPONSE TIME(RISE)	TR			150 250		ms				
RESPONSE TIME(FALL)	TF			150	250	ms				







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6. ELECTRICAL SPECIFICATIONS

6.1 DC CHARACTERISTICS (VDD = 4.5V to 5.5V, TA = 25 $^{\circ}\mathrm{C}$)

CHARACTERISTICS	SYMBOL		LIMIT		UNIT	TEST CONDITION		
CHARACTERISTICS	STWDUL	MIN.	MIN. TYP.		UNIT			
INPUT HIGH VOLTAGE	VIH1	2.2		Vdd	V	Pins (E. RS. R/W. DB0 - DB7)		
INPUT LOW VOLTAGE	VIL1	-0.3		0.6	V	1 m3 (L. KS. K/W. DB0 - DB7)		
INPUT HIGH CURRENT	Іін	-2.0		2.0	μA	Pins (RS. R/W. DB0 - DB7)		
INPUT LOW CURRENT	lı∟	-20	-50	-100	μΑ	Vdd = 5.0V		
OUTPUT HIGH VOLTAGE (TTL)	Vон1	2.4		Vdd	V	Іон = - 0.1mA Pins: DB0 - DB7		
OUTPUT LOW VOLTAGE (TTL)	Vol1			0.4	V	lo∟ = 0.1mA Pins: DB0 - DB7		

6.2 AC CHARACTERISTICS (VDD = 4.5V to 5.5V, TA = 25 °C)

Write mode

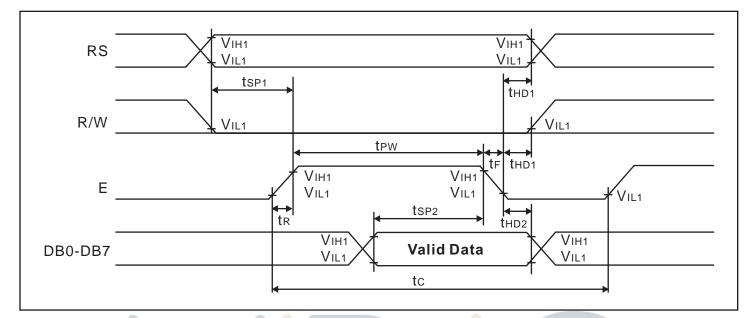
Write mode								
CHARACTERISTICS	SYMPOL		LIMIT		UNIT	TEST CONDITION		
CHARACTERISTICS	STWBUL	MIN.	TYP.	MAX.	UNIT	restcondition		
ENABLE CYCLE TIME	tc	500			ns	Pin E		
ENABLE PULSE WIDTH	tpw	230			ns	Pin E		
ENABLE RISE/ FALL TIME	tr, tr	ma	niifa	20	ns	PinE		
ADDRESS SETUP TIME	tsp1	40	nula	Ctur	ns	Pins RS, R/W, E		
ADDRESS HOLD TIME	thd1	10			ns	Pins RS, R/W, E		
DATA SETUP TIME	tsp2	80			ns	Pins: DB0 - DB7		
DATA HOLD TIME	thd2	10			ns	Pins: DB0 - DB7		

Read mode

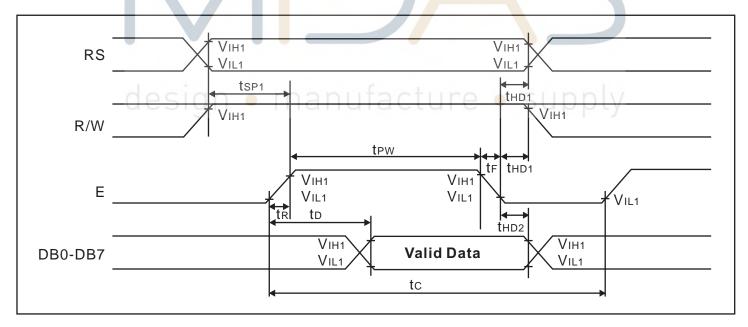
CHARACTERISTICS	SVMPOL		LIMIT		UNIT	TEST CONDITION
CHARACTERISTICS	STIVIDUL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
ENABLE CYCLE TIME	tc	500			ns	Pin E
ENABLE PULSE WIDTH	tpw	230			ns	Pin E
ENABLE RISE/ FALL TIME	tr, tr			20	ns	Pin E
ADDRESS SETUP TIME	tsp1	40			ns	Pins RS, R/W, E
ADDRESS HOLD TIME	thd1	10			ns	Pins RS, R/W, E
DATA OUTPUT DELAY TIME	tD			120	ns	Pins: DB0 - DB7
DATA HOLD TIME	thd2	5			ns	Pins: DB0 - DB7

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6.3.1 WRITE MODE TIMING DIAGRAM

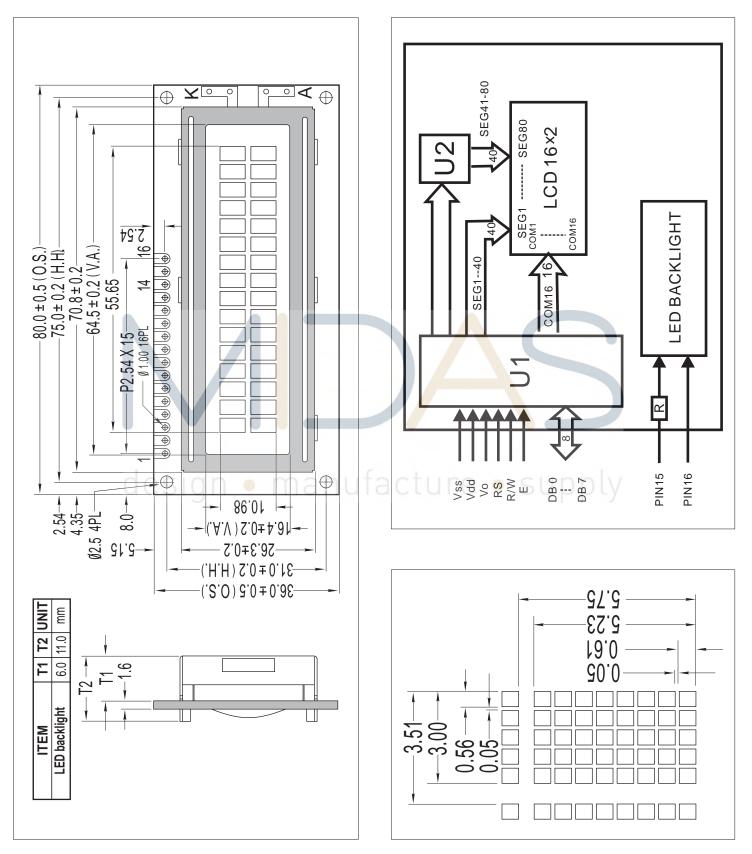


6.3.2 READ MODE TIMING DIAGRAM



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7. EXTERNAL DIMENSIONS

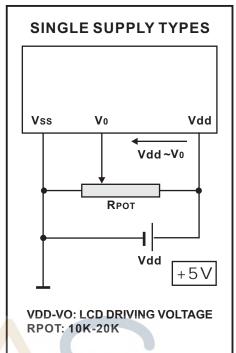


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8.PIN ASSIGNMENT

PIN	SYMBOL	FUNCTION
1	Vss	GND
2	Vdd	Power supply for LCM (+5.0V)
3	V0	Contrast Adjust
4	RS	Register Select Signal
5	R/W	Data Read / Write
6	E	Enable Signal
7-14	DB0 - DB7	Data bus line
15	LED+	Power supply for BKL (+5.0V)
16	LED-	Power supply for <mark>B</mark> KL (0V)

9. POWER SUPPLY



10. REFLECTOR OF SCREEN AND DRAM ADDRESS

Display position	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10
DDRAM address	00	01	02	03	04	05	06	07	08	09
Display position	1-11	1-12	1-13	d-14	1-15	1-16	SU	pptv		
DDRAM address	0A	0B	0C	0D	0E	0F	10	11	12	13
Display position		 				 				i i i i
DDRAM address	14	15	16	17	18	19	1A	1B	1C	1D
Display position		, 				 	 	 		i i i i
DDRAM address	1E	1F	20	21	22	23	24	25	26	27
Display position	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	2-9	2-10
DDRAM address	40	41	42	43	44	45	46	47	48	49
Display position	2-11	2-12	2-13	2-14	2-15	2-16		 	 	
DDRAM address	4A	4B	4C	4D	4E	4F	50	51	52	53
Display position						 				
DDRAM address	54	55	56	57	58	59	5A	5B	5C	5D
Display position		 						 		
DDRAM address	5E	5F	60	61	62	63	64	65	66	67

1-1 means first character of line 1 on screen

Link to Controller

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11. INSTRUCTION TABLE

				Inst	ructio	on Co	de					Execution
Instruction	RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0	Description	Time(fosc= 270kHz)
Clear Display	0	0	0	0	0	0	0	0	0	1	Write 20H to DDRAM set DDRAM address to 00H from AC	1.52ms
Return Home	0	0	0	0	0	0	0	0	1	-	Set DDRAM address to 00H from AC and return cursor to its original position if shifted. The contents of DDRAM are not changed.	1.52ms
Entry Mode Set	0	0	0	0	0	0	0	1	I/D	SH	Assign cursor moving direction and enable the shift of entire display	38µs
Display ON/OFF Control	0	0	0	0	0	0	1	D	С	В	Set display(D) cursor(C) and blinking of cursor(B) on/off	38µs
Cursor or Display Shift	0	0	0	0	0	1	S/C	R/L		-	Set cursor moving and display shift control bit, and the direction, without changing DDRAM data	38µs
Function Set	de	esi o	gr	0	1	n a _{DL}	n u N	fa	cti	ur(Set interface data length(DL:8bit/4bit), number of display line (N:2line/1line) and,display font type F:5X11dots / 5X8dots	38µs
Set CGRAM Address	0	0	0	1	AC5	AC4	AC3	AC2	AC1	AC0	Set CGRAM address in address counter	38µs
Set DDRAM Address	0	0	1	AC6	AC5	AC4	AC3	AC2	AC1	AC0	Set DDRAM address in address counter	38µs
Read Busy Flag and Address	0	1	BF	AC6	AC5	AC4	AC3	AC2	AC1	AC0	Whether during internal operation or not can be known by reading BF The contents of address counter can also be read	0 µs
Write Data to RAM	1	0	D7	D6	D5	D4	D3	D2	D1	D0	Write data into internal RAM (DDRAM/CGRAM)	38µs
Read data from RAM	1	1	D7	D6	D5	D4	D3	D2	D1	D0	Read data from internal RAM (DDRAM/CGRAM)	38µs

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12. INSTRUCTION DESCRIPTION

A. Clear Display

RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	0	0	0	0	0	0	0	0	1

Clear all the display data by writing 20H (space code) to all DDRAM address, and set DDRAM address to 00H into AC (address counter).

Return cursor to the original status, namely, bring the cursor to the left edge on the first line of the display.

Make the entry mode increment (I/D = HIGH)

B. Return Home

RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	0	0	0	0	0	0	0	1	-

Set DDRAM address to 00H into the address counter.

Return cursor to its original site and return display to its original status, if shifted. Contents of DDRAM does not change.

C. Entry Mode Set

RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	0	0	0	0	0	0	1	I/D	SH

Set the moving direction of cursor and display.

I/D:Increment /decrement of DDRAM address(cursor or blink)

I/D=High,cursor/blink moves to right and DDRAM address is increased by 1.

I/D=low,cursor/blink moves to left and DDRAM address is decreased by 1.

*CGRAM operates the same way as DDRAM, when reading from or writing to CGRAM. **SH:Shift of entire display**

When DDRAM read (CGRAM read/write) operation or SH=Low,shifting of entire display is not performed.if SH=High, and DDRAM write operation,shift of entire display is performed according to I/D value(I/D=High,shift left, I/D=Low, shift right).

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D. Display ON/OFF Control

RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	0	0	0	0	0	1	D	С	В

D:Display ON/OFF control bit

When D=High, entire display is turned on.

When D=Low, display is turned off, but display data remains in DDRAM.

C:Cursor ON/OFF control bit

When C=High, cursor is turned on.

When C=Low, cursor is disappeared in current display ,but I/D register preserves its data.

B:Cursor Blink ON/OFF control bit

When B=High, cursor blink is on, which performs alternately between all the High data and display characters at the cursor position.

When B=Low ,blink is off.

Ε.	Curs	or or l	Displa	y Shif	t					
	RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
	0	leosi	g •	• 0	n a•n	ufa	S/C	R/L	su	pply

Shifting of right/left cursor position or display without writing or reading of display data. This instruction is used to correct or search display data.

During 2-line mode display, cursor moves to the 2nd line after the 40th digit of the 1st line. Note that display shift is performed simultaneously in all the lines.

When displayed data is shifted repeatedly, each line is shifted individually.

When display shift is performed, the contents of the address counter are not changed.

S/C	R/L	Operation
0	0	Shift cursor to the left, AC is decreased by 1
0	1	Shift cursor to the right, AC is increased by 1
1	0	Shift all the display to the left,cursor moves according to the display
1	1	Shift all the display to the right,cursor moves according to the display

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F. Function set

RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	0	0	0	1	DL	N	F	-	-

DL:Interface data length control bit

When DL=High, it means 8-bit bus mode with MPU.

When DL=Low, it means 4-bit bus mode with MPU.

When 4-bit bus mode, it needs to transfer 4-bit data twice.

N:Display line number control bit

When N=Low, 1-line display mode is set.

When N=High, 2-line display mode is set.

F:Display font type control bit

When F=Low, 5x8 dots format display mode is set. When F=High, 5x11 dots format display mode.

G. Set CGRAM Address

RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0	
0	es l	on	• ¹ m	AC5	AC4	AC3	AC2	AC1	AC0	

Set CGRAM address to AC.

This instruction makes CGRAM data available from MPU.

H. Set DDRAM Address

RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	0	1	AC6	AC5	AC4	AC3	AC2	AC1	AC0

Set DDRAM address to AC.

This instruction makes DDRAM data available from MPU.

When 1-line display mode (N=Low), DDRAM address is from 00H to 4FH In 2-line display mode(N=High), DDRAM address in the 1^{st} line is from 00H to 27H and DDRAM address in the 2^{nd} line is from 40H to 67H

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I. Read Busy Flag & Address

RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	1	BF	AC6	AC5	AC4	AC3	AC2	AC1	AC0

This instruction shows whether IC is in internal operation or not .

If BF is High, internal operation is in progress and shall wait until BF is to be Low, which by then the next instruction can be performed. In this instruction you and also read the value of the address counter.

J. Write data to RAM

RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
1	0	D7	D6	D5	D4	D3	D2	D1	D0

Write binary 8-bit data to DDRAM/CGRAM.

The selection of RAM from DDRAM, and CGRAM, is set by the previous address set instruction (DDRAM address set, CGRAM address set).

RAM set instruction can also determine the AC direction to RAM.

After write operation, the address is automatically increased /decreased by 1,according the entry mode.

K. Read data from RAM

RS	R/W	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
1	1	D7	D6	D5	D4	D3	D2	D1	D0

Read binary 8-bit data from DDRAM/CGRAM.

The selection of RAM is set by the previous address set instruction. If the address set instruction of RAM is not performed before this instruction, the data that has been read first is invalid, as the direction of AC is not yet determined. If RAM data is read several times without RAM address instructions set before read operation, the correct RAM data can be obtained from the second. But the first data would be incorrect, as there is no time margin to transfer RAM data.

BOOKBINI	DING AREA			
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In case of DDRAM read operation, cursor shift instruction plays the same role as DDRAM address set instruction, it also transfers RAM data to output data register.

After read operation, address counter is automatically increased/decreased by 1 according to the entry mode.

After CGRAM read operation, display shift may not be executed correctly.

Note:In case of RAM write operation,AC is increased/decreased by 1 as in read operation. At this time,AC indicates the next address position, but only the previous data can be read by the read instruction.

CGRAM Address Character code CGRAM Data Pattern D7 D6 D5 D4 D3 D2 D1 D0 A5 A4 A3 A2 A1 A0 P7 P6 P5 P4 P3 P2 P1 P0 number 0 0 0 0 x 0 0 0 0 0 0 0 0 0 Х Х Х 0 0 pattern 1 1 0 0 1 x 1 0 0 0 Х Х 1 1 0 0 Х 0 0 0 Х Х 1 1 1 0 X X X 1 1 1 1 1 0 0 Х Х X 0 0 0 1 1 1 1 0 1 X X X 0 0 0 1 -1 1 0 0 0 1 1 Х X X 1 0 0 0 0 0 0 1 1 XXX 0 0 0 0 0 0 0 0 0 х 1 1 0 Х Х 1 0 0 0 1 pattern8 Х 0 0 0 1 0 Х Х Х 1 0 1 0 1 0 1 0 0 0 ХХ Х 1 0 1 1 1 1 Х Х Х 1 0 1 0 0 0 0 X X X 1 1 1 0 0 0 1 0 1 ХХ X 1 1 1 0 Х 1 0 0 0 1 Х Х 0 0 0 1 1 1 x x x 0 0

13. RELATIONSHIP BETWEEN CHARACTER CODE AND CGRAM

14. DISPLAY DATA RAM(DDRAM)

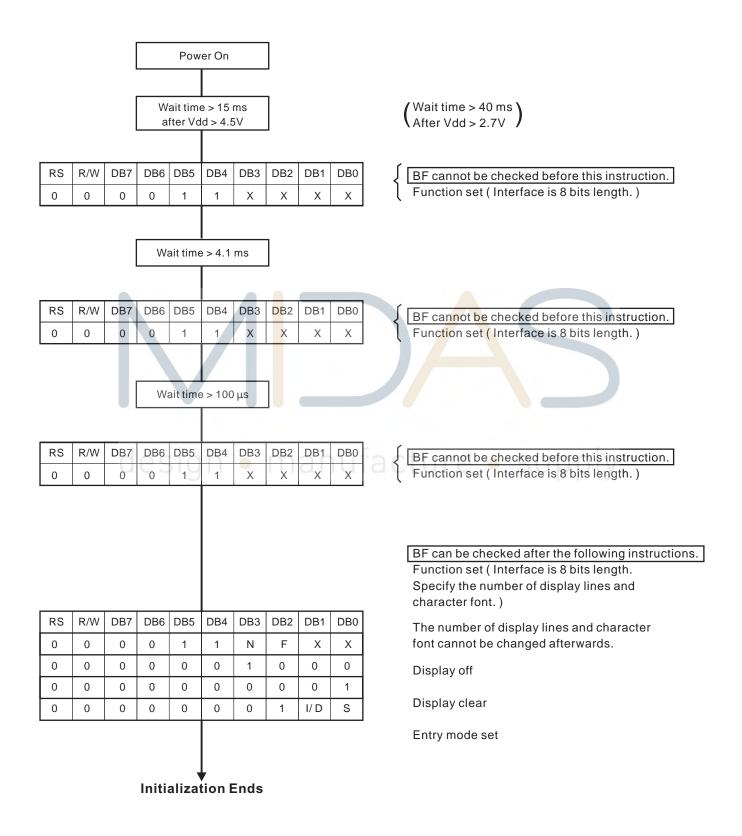
DDRAM stores display data of maximum 80x8 bits(80 characters). DDRAM address is set in the address counter(AC) as a hexadecimal number

MSB						LSB
AC6	AC5	AC4	AC3	AC2	AC1	AC0

BOOKBINE	DING AREA			
	PRODUCT	MODE NO.	DAGE	16/20
	SPEC.	MC21605G6WD-SPTLY	PAGE	10/20

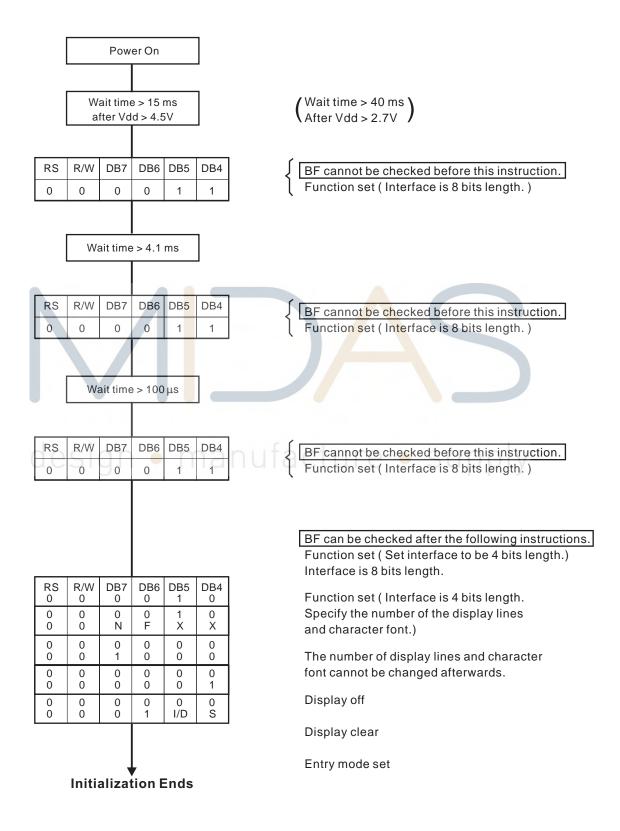
15. INITIALIZATION

15.1 8-bit interface mode (Condition: fosc = 270KHZ)



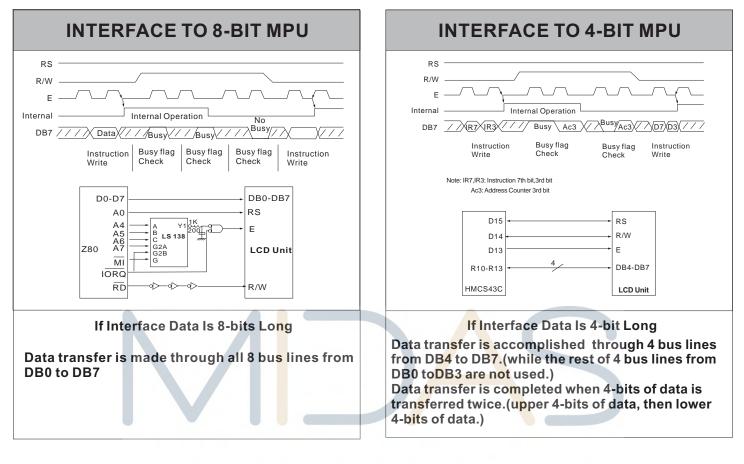
BOOKE	BOOKBINDING AREA					
	PRODUCT SPEC.	MODE NO. MC21605G6WD-SPTLY	PAGE	17/20		

15.2 4-bit interface mode (Condition: fosc = 270KHZ)



BOOKBIN	DING AREA			
	PRODUCT	MODE NO.		10/20
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16.INTERFACE TO MPU



Features design • manufacture • supply

- 1. Interface to an 8-bit or 4-bit MPU is available.
- 2. 192 types of alphanumeric, symbols and special characters can be displayed with the built in character generator (ROM).
- 3. Other preferred characters can be displayed by character generator (RAM).
- 4. Various instructions may be programmed.
 - Clear display
 - Cursor at home
 - On/Off cursor
 - Blink character
 - Shift display
 - Shift cursor
 - Read/Write display data .etc.
- 5. Compact and light weight design which can easily be integrated into end products.
- 6. Single power supply +5V drive (except for extended temperature type).
- 7. Low power consumption.

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		SPEC.	MC21605G6WD-SPTLY	PAGE	19/20

17. STANDARD FONT MAP

Upper															
4bit Lower 4bit	LLLL	LLLH	LLHL	LLHH	LHLL	LHLH	LHHL	LHHH	HLLL	HLLH	HLHL	HLHH	HHLL	HHLH	
LLLL	CG RAM (1)														
LLLH	(2)														
LLHL	(3)														
LLHH	(4)														
LHLL	(5)														
LHLH	(6)														
LHHL	(7)														
LHHH	(8)														
HLLL	(1)														
HLLH	(2)														
HLHL	(3)														
HLHH	(4)														
HHLL	(5)														
HHLH	(6)														
HHHL	(7)														
нннн	(8)														

воок	BINDING AREA			
	PRODUCT SPEC.	MODE NO. MC21605G6WD-SPTLY	PAGE	20/20

18. PACKING DETAIL

WITH LED BKL	WITHOUT LED BKL	NOTE
45 PCS/BOX	45 PCS/BOX	1. The weight is estimated for reference only.
10 BOXES/CARTON	10 BOXES/CARTON	2. Packing detail may be changed without notice.
450 PCS/CARTON	450 PCS/CARTON	
20.00 KGS/CTN(G.W.)	18.00 KGS/CTN(G.W.)	
0.07 M ³ /CARTON	0.07 M ³ /CARTON	

