
**MODULE SPECIFICATION**

PARAMETER	SPEC.	UNIT	TEST COND.
PIXEL PITCH	3	mm	--
PIXEL DENSITY	111111	dot/m <sup>2</sup>	--
PIXEL FORM	1R1G1B	--	--
VIEWING ANGLE	X=140 / Y=120	degree	--
DRIVE METHOD	1/8	duty	--
MODULE RESOLUTION	96x8	dot	--
LOAD CURRENT	1040 MAX	mA	5V
POWER CONSUMPTION	5.2 MAX	W	5V
BRIGHTNESS	1000 MIN	cd/m <sup>2</sup>	--
STORAGE TEMPERATURE	-40 TO +60	°C	--
OPERATING TEMPERATURE	-20 TO +60	°C	--

**BOM**

P/N	ITEM	COMPONENT	QTY
LDM-768-1LT-RGB1	1	LDM-768-1LT-RGB-PCB	1
	2	LDM-768-1LT-RGB	1
	3	WIRE002	1

**UART CONFIGURATION**

ITEM	SETTING VALUE
BAUD RATE	115200
DATA BIT	8
STOP BIT	1
PARITY BIT	NONE
FLOW CONTROL	NONE

**WIRELEAD DEFINITION**

COLOR	DEFINITION
YELLOW	TX1
WHITE	RX1
RED	5V
BLACK	GND

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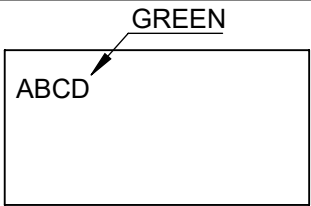
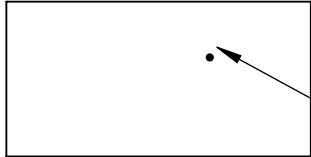
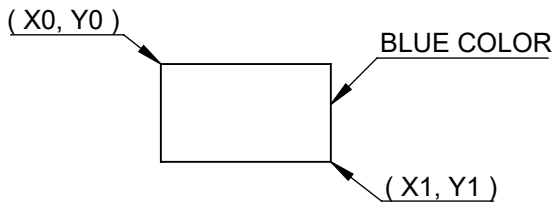
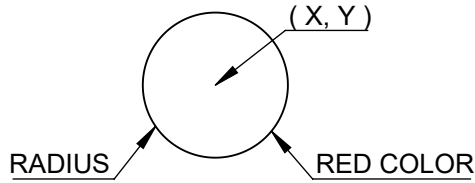
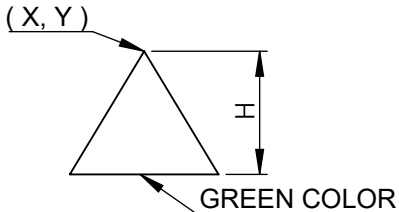
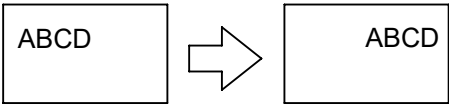
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96 \* 8 PIXEL, PCB WITH 768 PCS RGB LEDS \* 1

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE : 2017.11.21	DRAWN BY : C.C.
PAGE : 1 OF 4	CHKD BY : E.C.
SCALE : NTF	APRVD BY : G.Y.
UNIT : mm [INCH]	(Pb)

DIAGRAM	COMMAND*	EXAMPLE
	Write a 5x7 RGB String	$ate1=(line,column,Color\ 0\sim255^*,String)$ $ate1=(0,0,4,ABCD)$
	Set a Color Pixel	$atee=(X\ position,Y\ position,Color\ 0\sim255^*)$ $atee=(48,6,96) : '96' Red\ color$
	Draw a Rectangle	$at91=(X0\ position,Y0\ position,X1\ position,Y1\ position,Color\ 0\sim255^*)$ $at91=(0,0,55,7,2) : '2' blue\ color$
	Draw a Circle	$at94=(X\ position,Y\ position,Radius,Color\ 0\sim255^*)$ $at94=(48,4,3,64) : '64' red\ color$
	Draw a tip upward Triangle	$at96=(X\ position,Y\ position,Height,Color\ 0\sim255^*)$ $at96=(48,1,3,4) : '4' green\ color$
	Scroll the whole display rightward	$atd5=(shif\ time\ in\ ms)$ $atd5=(20)$


\* Please refer to detail commands/ **COLOR CODE Table** on Lumex website: [www.lumex.com/ezdisplay](http://www.lumex.com/ezdisplay)

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**COLOR CODE Table**

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111

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 <p>N. GARY AVE. CAROL STREAM, IL 60188 PHONE : 800-278-5666 FAX : 630-315-2150 WEB : WWW.LUMEX.COM425</p>	96 * 8 PIXEL, PCB WITH 768 PCS RGB LEDS * 1		DATE : 2017.11.21	DRAWN BY : C.C.	
	**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**			PAGE : 3 OF 4	CHKD BY : E.C.
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				UNIT : mm [INCH]	(Pb)

## ASCII code of 5X7 fonts and 8X16 fonts

Hex	Symbol	Hex	Symbol	Hex	Symbol
0x20		0x40	@	0x60	`
0x21	!	0x41	A	0x61	a
0x22	"	0x42	B	0x62	b
0x23	#	0x43	C	0x63	c
0x24	\$	0x44	D	0x64	d
0x25	%	0x45	E	0x65	e
0x26	&	0x46	F	0x66	f
0x27		0x47	G	0x67	g
0x28	(	0x48	H	0x68	h
0x29	)	0x49	I	0x69	i
0x2a	*	0x4a	J	0x6a	j
0x2b	+	0x4b	K	0x6b	k
0x2c	,	0x4c	L	0x6c	l
0x2d	-	0x4d	M	0x6d	m
0x2e	.	0x4e	N	0x6e	n
0x2f		0x4f	O	0x6f	o
0x30	0	0x50	P	0x70	p
0x31	1	0x51	Q	0x71	q
0x32	2	0x52	R	0x72	r
0x33	3	0x53	S	0x73	s
0x34	4	0x54	T	0x74	t
0x35	5	0x55	U	0x75	u
0x36	6	0x56	V	0x76	v
0x37	7	0x57	W	0x77	w
0x38	8	0x58	X	0x78	x
0x39	9	0x59	Y	0x79	y
0x3a	:	0x5a	Z	0x7a	z
0x3b	;	0x5b	]	0x7a	{
0x3c	<	0x5c	\	0x7a	
0x3d	=	0x5d	[	0x7a	}
0x3e	>	0x5e	^	0x7a	~
0x3f	?	0x5f	_	0x7a	<-


## ASCII code of 16X16 fonts

Hex	Symbol
0x30	0
0x31	1
0x32	2
0x33	3
0x34	4
0x35	5
0x36	6
0x37	7
0x38	8
0x39	9

## No. of 8X16 pattern

No.	Symbol
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

## No. of 32X32 pattern

No.	Symbol
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	°C
11	°F
12	

## No. of 8X8 pattern

No.	Symbol
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

## No. of 16X16 pattern

No.	Symbol
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

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