

COMPONENT

ITEM	P/N	QTY.
1	LDM-6432-P3-PCB	1
2	LDM-6432-1LT-RGB-E	1
3	LDM-6432-AMPERE	1
4	LDM-6432-USB2	1
5	BCOVER-P3	1
6	WIRE001	2

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (40.039), X.X=±0.5 (40.020), X.XX=±0.25 (40.010), X.XXX=±0.127 (40.008), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN=-0.00, MAX = +0.00, *DECIMAL PRECISION

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g2Display P3 DOT MATRIX, 64*32 PIXEL, RGB LEDs, UART INTERFACE, DC 5V

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

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DATE : 2018.04.17 DRAWN BY : C.C.
 PAGE : 1 OF 5 CHKD BY : E.C.
 SCALE : NTF APRVD BY : G.Y.
 UNIT : mm [INCH]

PART NUMBER

LDM-6432-P3-USB2-1

REV

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GENERAL SPECIFICATION

ITEM	DESCRIPTION	UNIT
MODULE SIZE	192(L)×96(W)	mm
PIXEL PITCH	3	mm
PIXEL FORM	RGB	--
PIXEL DENSITY	111111	dot/m ²
MODULE RESOLUTION	64×32	dot
DRIVE METHOD	1/16 SCAN	--
CONTROLLER INTERFACE	UART	--
POWER CONSUMPTION	7.5 MAX	W
BRIGHTNESS	450 MIN	cd/m ²
TEMPERATURE RANGE	-20~60, 10~80%/RH	°C
FRAME COLOR	BLACK	°C

WIRELEAD DEFINITION

P/N	COLOR	DEFINITION
WIRE001	YELLOW	TX1
	WHITE	RX1
	RED	5V
	BLACK	GND

UART CONFIGURATION

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

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PAGE : 2 OF 5

SCALE : NTF

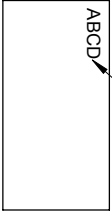
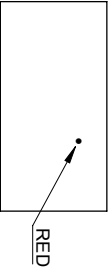
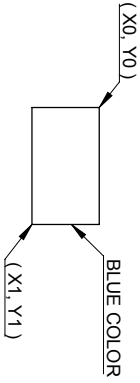
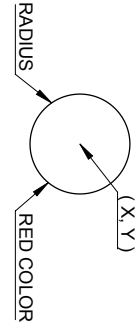
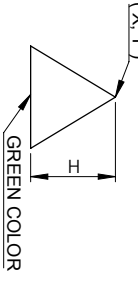
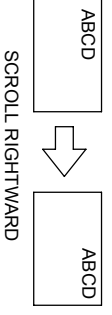
UNIT : mm [INCH]

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DIAGRAM	COMMAND*	EXAMPLE
	Write a 5x7 RGB String	at1=(line column, Color 0~255*, String) at1=(0,0,4,ABCD)
	Set a Color Pixel	at6e=(X position, Y position, Color 0~255*) at6e=(48,6,96) : '96' Red color
	Draw a Rectangle	at91=(X0 position, Y0 position, X1 position, Y1 position, Color 0~255*) at91=(0,0,55,7,2) : '2' blue color
	Draw a Circle	at94=(X position, Y position, Radius, Color 0~255*) at94=(48,4,3,64) : '64' red color
	Draw a tip upward Triangle	at96=(X position, Y position, Height, Color 0~255*) 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

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PAGE : 3 OF 5

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UNIT : mm [INCH]

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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PAGE : 4 OF 5

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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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