PART NUMBER	LDM-6432-P3-UR-1	REV	--

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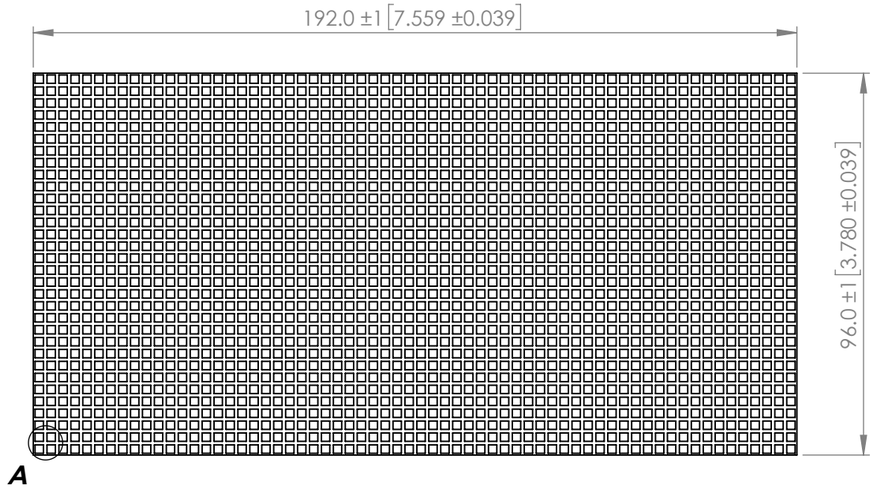

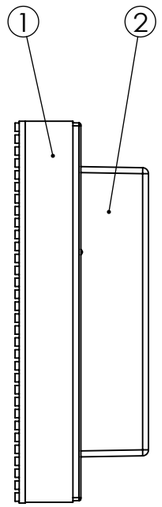

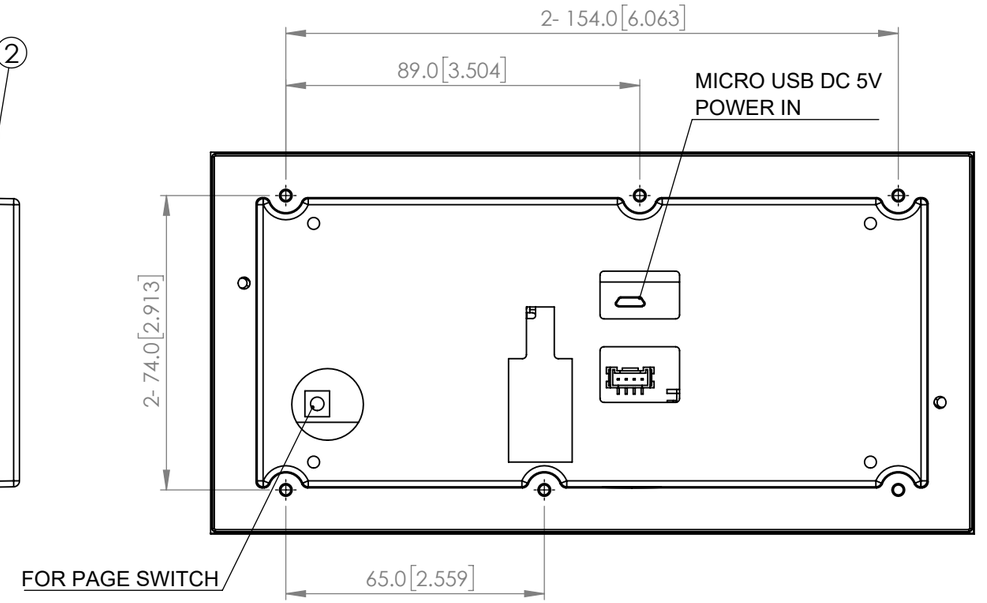

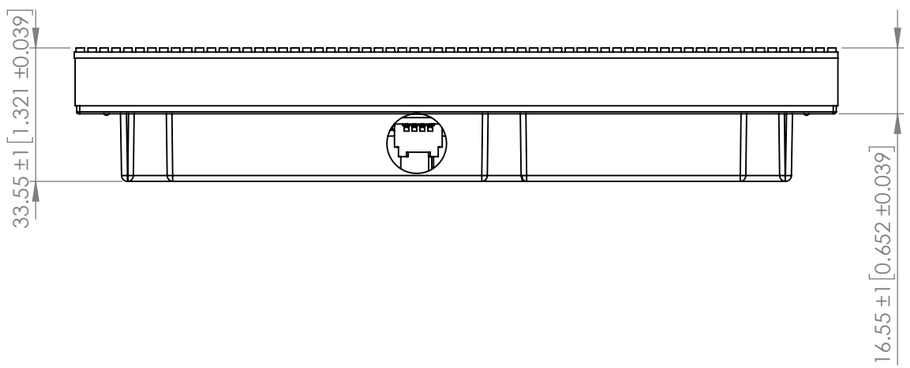

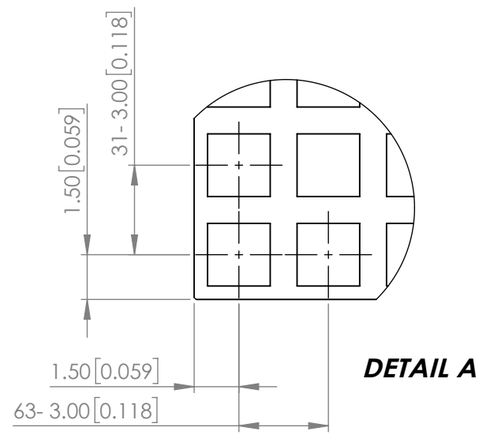

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UNIT : mm [INCH]	Pb

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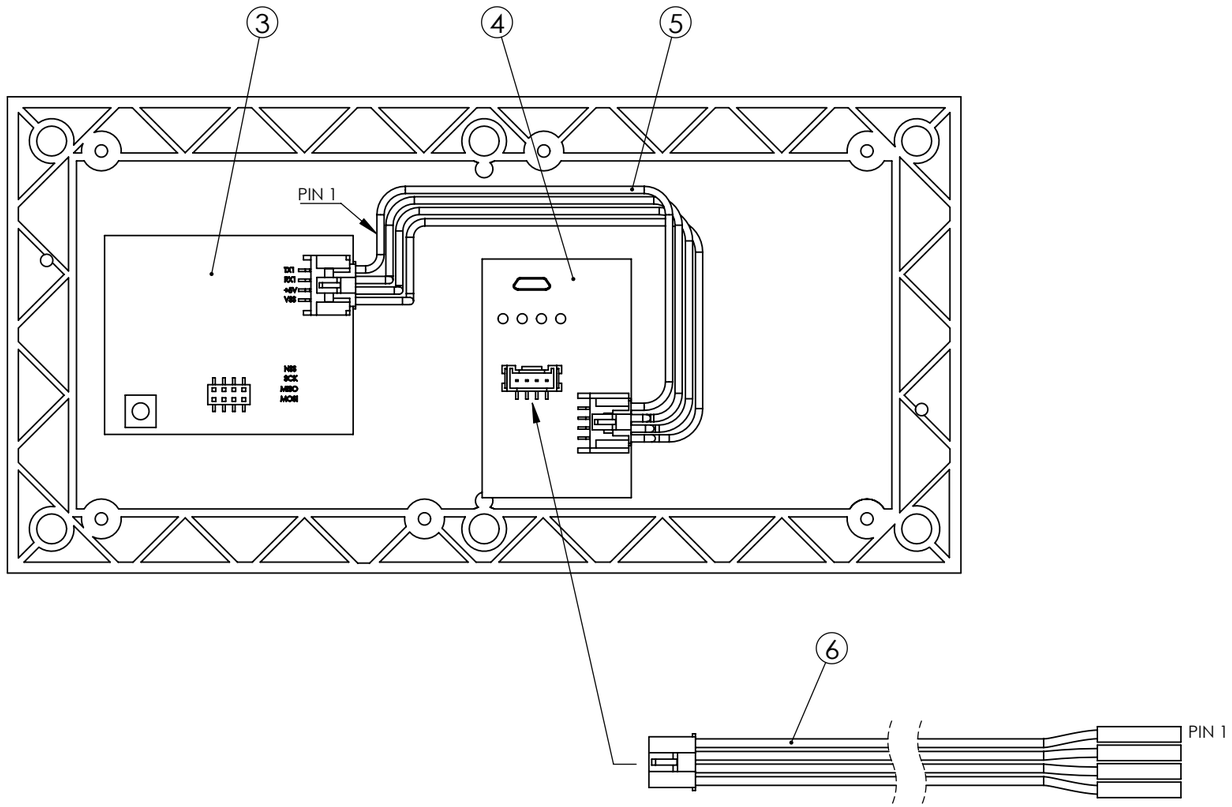

WIRELEAD DEFINITION

P/N	PIN NO.	COLOR	DEFINITION
WIRE001	1	YELLOW	TX1
	2	WHITE	RX1
	3	RED	5V
	4	BLACK	GND
WIRE002	1	YELLOW	TX1
	2	WHITE	RX1
	3	RED	5V
	4	BLACK	GND

COMPONENT

ITEM	P/N	QTY.
1	LDM-6432-P3-PCB	1
2	BCOVER-P3	1
3	LDM-6432-1LT-RGB-E	1
4	LDM-6432-AMPERE	1
5	WIRE001	1
6	WIRE002	1

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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/m2
MODULE RESOLUTION	64x32	dot
DRIVE METHOD	1/16 SCAN	--
CONTROLLER INTERFACE	UART	--
POWER CONSUMPTION	30 MAX	W
BRIGHTNESS	1800 MIN	cd/m2
TEMPERATURE RANGE	-20~60, 10~80%RH	°C
FRAME COLOR	BLACK	°C

GENERAL SPECIFICATION

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

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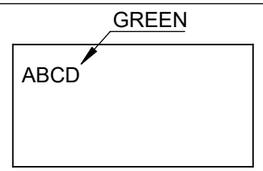
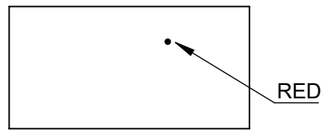
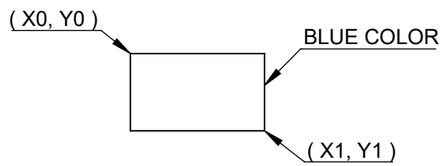
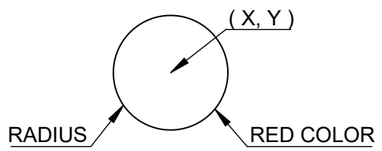
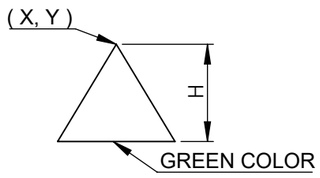
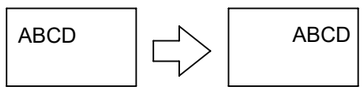
DIAGRAM	COMMAND*	EXAMPLE
	Write a 5x7 RGB String	at**e1**=(line,column,**Color 0~255***,String) at**e1**=(0,0,4,ABCD)
	Set a Color Pixel	at**ee**=(X position,Y position, **Color 0~255***) at**ee**=(48,6,96) : '96' Red color
	Draw a Rectangle	at**91**=(X0 position,Y0 position,X1 position,Y1 position,**Color 0~255***) at**91**=(0,0,55,7,2) : '2' blue color
	Draw a Circle	at**94**=(X position,Y position,Radius,**Color 0~255***) at**94**=(48,4,3,64) : '64' red color
	Draw a tip upward Triangle	at**96**=(X position,Y position,Height,**Color 0~255***) at**96**=(48,1,3,4) : '4' green color
 SCROLL RIGHTWARD	Scroll the whole display rightward	at**d5**=(shif time in ms) at**d5**=(20)

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* Please refer to detail commands/ **COLOR CODE Table** on Lumex website: www.lumex.com/ezdisplay

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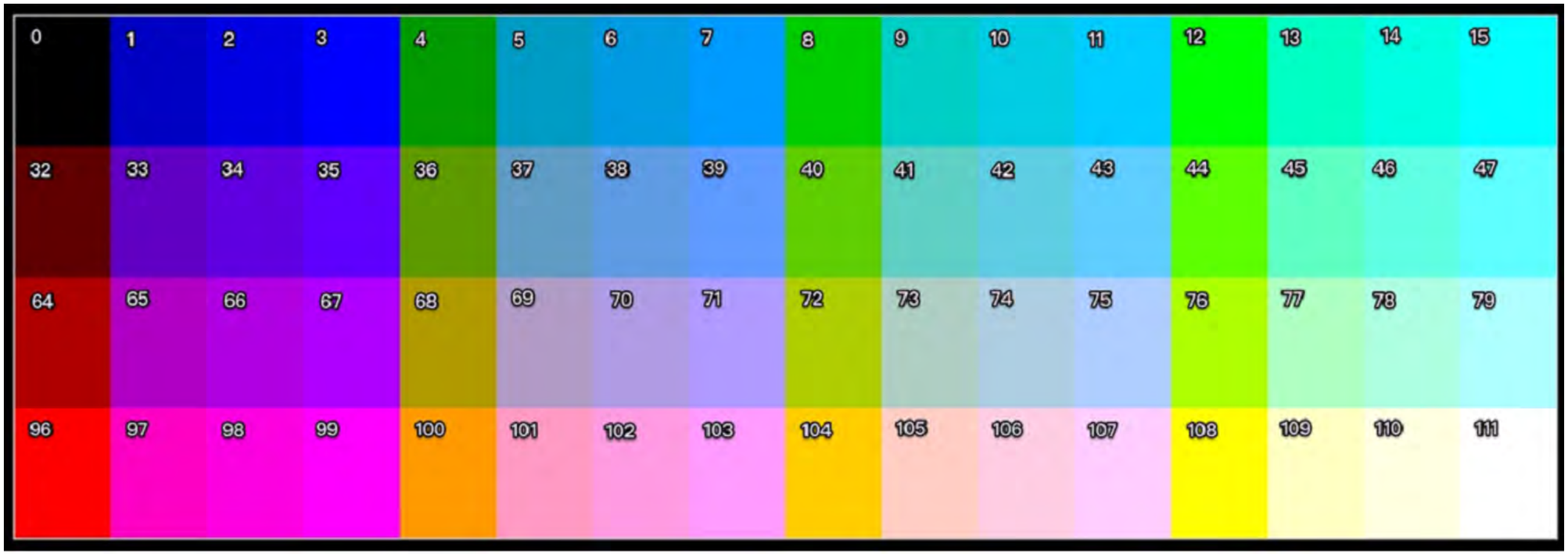
COLOR CODE TABLE



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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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