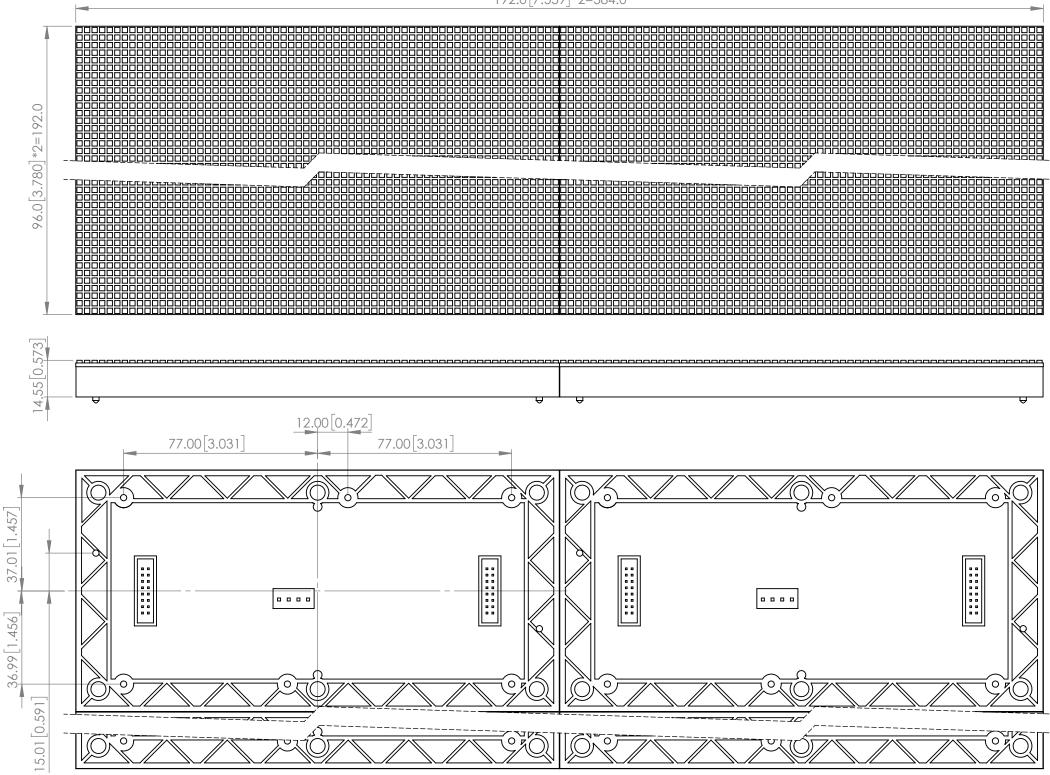
**PART NUMBER** LDM-12864-P3-UR REV Α DATE **E.C.N. NUMBER AND REVISION COMMENTS** ECN-Lumex202300027 03.06.23

192.0 7.559 \*2=384.0



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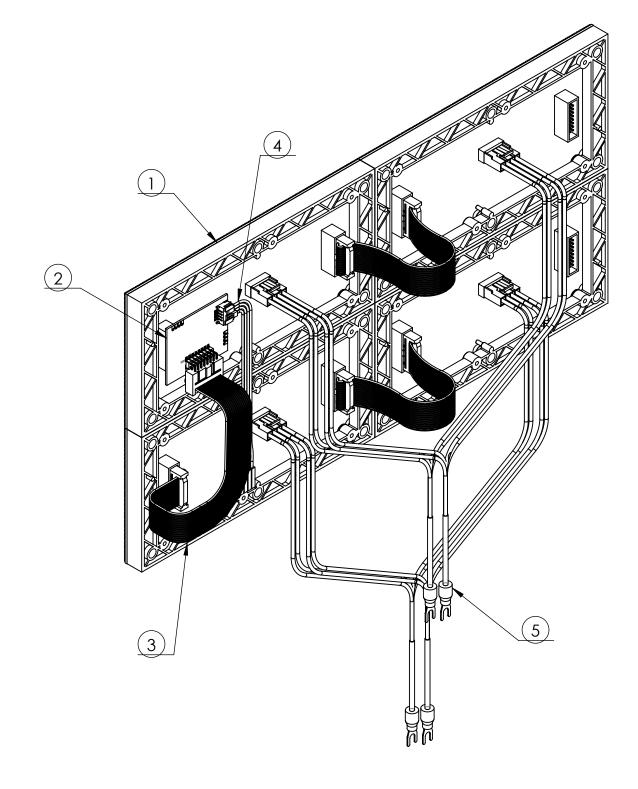
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	PAGE: 1 OF 6	CHKD BY: T.S.
LL	SCALE: NTF	APRVD BY: G.Y.
	UNIT: mm [INCH]	(A)



#### COMPONENT

OOMI ONLINI				
ITEM	P/N	QTY.		
1 LDM-6432-P3-PCB		4		
2	LDM-6432-2LT-RGB-NU	1		
3	FLAT CABLE	3		
4	WIRE002	1		
5	WIRE008	2		

#### **WIRELEAD DEFINITION**

P/N	PIN NO.	COLOR	DEFINITION
	1	YELLOW	TX1
WIDEOOS	2	WHITE	RX1
WIRE002	3	RED	5V
	4	BLACK	GND
	1	RED	5V
WIDEOOS	2	RED	5V
WIRE008	3	BLACK	GND
	4	BLACK	GND

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	UNIT: mm [INCH]	Pb

	PART NUMBER	LDM-12864-P3-UR	REV	Α	
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## **GENERAL SPECIFICATION**

ITEM	DESCRIPTION	UNIT
MODULE SIZE	384(L) × 192(W)	mm
PIXEL PITCH	3	mm
PIXEL FORM	RGB	
PIXEL DENSITY	100000	dot/m2
MODULE RESOLUTION	128x64	dot
DRIVE METHOD	1/16 SCAN	
CONTROLLER INTERFACE	UART	
POWER CONSUMPTION	60 MAX	W
BRIGHTNESS	450 MIN	cd/m2
TEMPERATURE RANGE	-20~60, 10~80%RH	°C
FRAME COLOR	BLACK	°C

## **UART CONFIGURATION**

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

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SCALE: NTF APRVD BY: G.Y.

UNIT: mm [INCH]

PART NUMBER	LDM-12864-P3-UR	REV	Δ
I AILI HUMDEN			/ / \

DIAGRAM	COMMAND*	EXAMPLE
ABCD	Write a 5x7 RGB String	ate1=(line,column,Color 0~255*,String) ate1=(0,0,4,ABCD)
RED	Set a Color Pixel	atee=(X position,Y position, Color 0~255*) atee=(48,6,96): '96' Red color
BLUE COLOR  (X1, Y1)	Draw a Rectangle	at <b>91</b> =(X0 position,Y0 position,X1 position,Y1 position, <b>Color 0~255*</b> ) at <b>91</b> =(0,0,55,7,2) : '2' blue color
RADIUS RED COLOR	Draw a Circle	at <b>94</b> =(X position,Y position,Radius, <b>Color 0~255</b> *) at <b>94</b> =(48,4,3,64) : '64' red color
(X, Y)  GREEN COLOR	Draw a tip upward Triangle	at <b>96</b> =(X position,Y position,Height,Color 0~255*) at <b>96</b> =(48,1,3,4): '4' green color
ABCD ABCD SCROLL RIGHTWARD	Scroll the whole display rightward	at <b>d5</b> =(shif time in ms) at <b>d5</b> =(20)

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

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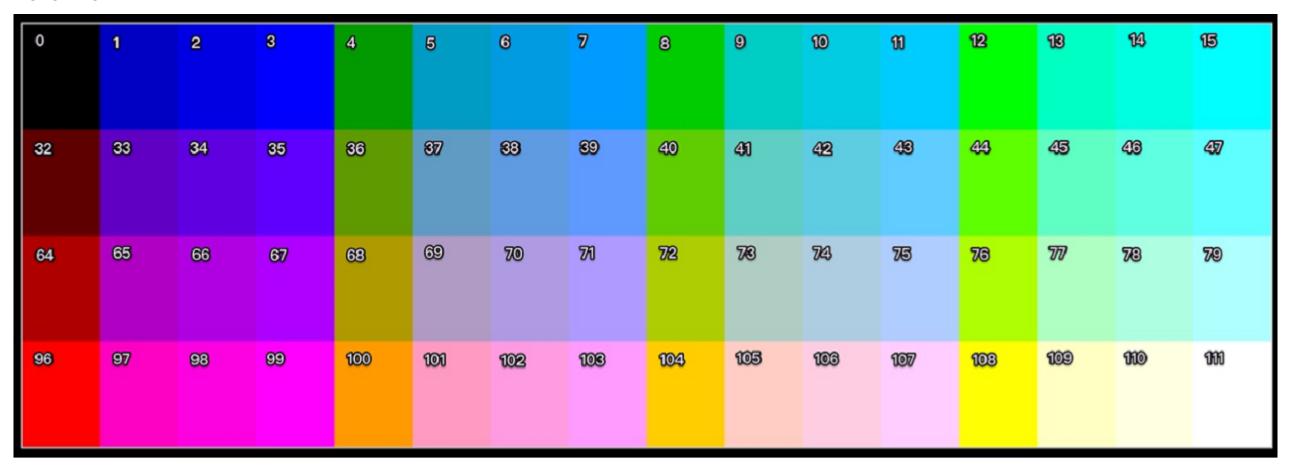
PAGE: 4 OF 6 CHKD BY: T.S.

SCALE: NTF APRVD BY: G.Y.

UNIT: mm [INCH]

**PART NUMBER** LDM-12864-P3-UR REV Α

#### **COLOR CODE TABLE**



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### **ASCII CODE OF 5X7 FONTS AND 8X16 FONTS**

ASCII CODE OI SATI ONIS AND OXIOI ONIS					
Hex	Symbol	Hex	Symbol	Hex	Symbol
0x20		0x40	@	0x60	`
0x21	!	0x41	Α	0x61	а
0x22	"	0x42	В	0x62	b
0x23	#	0x43	С	0x63	С
0x24	\$	0x44	D	0x64	d
0x25	%	0x45	Е	0x65	е
0x26	&	0x46	F	0x66	f
0x27		0x47	G	0x67	g
0x28	(	0x48	Н	0x68	h
0x29	)	0x49	I	0x69	i
0x2a	*	0x4a	J	0x6a	j
0x2b	+	0x4b	K	0x6b	k
0x2c	,	0x4c	L	0x6c	I
0x2d	-	0x4d	М	0x6d	m
0x2e		0x4e	N	0x6e	n
0x2f		0x4f	0	0x6f	0
0x30	0	0x50	Р	0x70	р
0x31	1	0x51	Q	0x71	q
0x32	2	0x52	R	0x72	r
0x33	3	0x53	S	0x73	s
0x34	4	0x54	Т	0x74	t
0x35	5	0x55	U	0x75	u
0x36	6	0x56	V	0x76	V
0x37	7	0x57	W	0x77	W
0x38	8	0x58	Х	0x78	Х
0x39	9	0x59	Y	0x79	у
0x3a	:	0x5a	Z	0x7a	Z
0x3b	;	0x5b	]	0x7a	{
0x3c	<	0x5c	\	0x7a	
0x3d	=	0x5d	[	0x7a	}
0x3e	>	0x5e	٨	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 °F
11	°F
12	ş
-	-

#### 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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