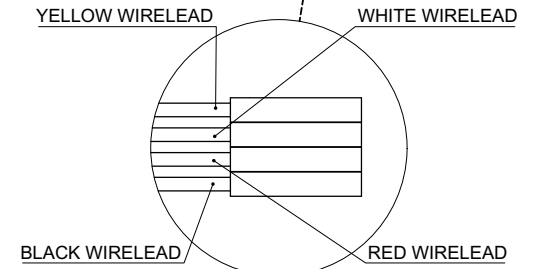
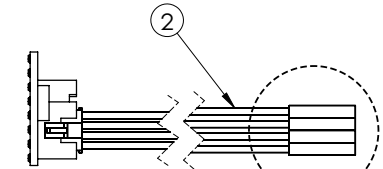


DETAIL A



DETAIL B

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96 \* 8 PIXELS, PCB WITH 768 PCS LEDS \* 1

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DRAWN BY : E.C.

PAGE : 1 OF 2

CHKD BY : K.C.

SCALE : NTF

APRVD BY : R.C.

UNIT : mm [INCH]

Ⓟ

**BOM :**

P/N	ITEM	COMPONENT	QTY
LDM-768-1LT-X	1	LDM-768-1LT-X1-PCB	1
	2	WIRE002	1

**P/N INFORMATION :**

PART NUMBER	COLOR
LDM-768-1LT-G1	GREEN
LDM-768-1LT-Y1	YELLOW
LDM-768-1LT-R1	RED

**WIRELEAD DEFINITION :**

COLOR	DEFINITION
YELLOW	TX1
WHITE	RX1
RED	5V
BLACK	GND

**LOAD CURRENT & POWER CONSUMPTION WITH ALL LED ON :**

Current consumption	GREEN	YELLOW	RED	UNIT	GREEN	YELLOW	RED	UNIT
All LEDs off	28	28	28	mA	0.14	0.14	0.14	W
Diming level 0	128	302	308	mA	0.64	1.51	1.54	W
Diming level 1	228	420	440	mA	1.14	2.1	2.2	W
Diming level 2	320	550	590	mA	1.6	2.75	2.95	W
Diming level 3	420	670	710	mA	2.1	3.35	3.55	W
Diming level 4	510	790	830	mA	2.55	3.95	4.15	W
Diming level 5	610	900	950	mA	3.05	4.5	4.75	W
Diming level 6	690	1000	1060	mA	3.45	5	5.3	W
Diming level 7	790	1110	1180	mA	3.95	5.55	5.9	W
Diming level 8	870	1200	1290	mA	4.35	6	6.45	W
Diming level 9	950	1310	1390	mA	4.75	6.55	6.95	W
Diming level 10	1010	1390	1490	mA	5.05	6.95	7.45	W
Diming level 11	1115	1490	1590	mA	5.575	7.45	7.95	W

**UART CONFIGURATION :**

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

**LED ELECTRO-OPTICAL CHARACTERISTICS TA =25 ° :**

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND	
GREEN LED	PEAK WAVELENGTH		525		nm	
	FORWARD VOLTAGE	2.7	3.3	3.7	Vf	
	REVERSE VOLTAGE			5.0	Vr	
	LUMINOUS INTENSITY	140		450	mcd	
	VIEWING ANGLE		120		2x theta1/2	
	EMITTED COLOR	GREEN				
	EPOXY LENS FINISH	WATER CLEAR				
YELLOW LED	PEAK WAVELENGTH		591		nm	
	FORWARD VOLTAGE	1.7		2.4	Vf	
	REVERSE VOLTAGE			5.0	Vr	
	LUMINOUS INTENSITY	16	40		mcd	
	VIEWING ANGLE		100		2x theta1/2	
	EMITTED COLOR	YELLOW				
	EPOXY LENS FINISH	WATER CLEAR				
RED LED	PEAK WAVELENGTH		632		nm	
	FORWARD VOLTAGE	1.7	2.0	2.4	Vf	
	REVERSE VOLTAGE			5.0	Vr	
	LUMINOUS INTENSITY	37	56		mcd	
	VIEWING ANGLE		100		2x theta1/2	
	EMITTED COLOR	RED				
	EPOXY LENS FINISH	WATER CLEAR				

**LED LIMITS OF SAFE OPERATION AT 25 ° :**

PARAMETER	MAX	UNITS
GREEN LED	PEAK FORWARD CURRENT	100
	FORWARD CURRENT	25
	POWER DISSIPATION	95
	ELECTROSTATIC DISCHARGE	150
	OPERATING TEMP	-40~+85
	STORAGE TEMP	-40~+90
	SOLDERING TEMP	MAX +260 °C @3 SEC
YELLOW LED	PEAK FORWARD CURRENT	60
	FORWARD CURRENT	25
	POWER DISSIPATION	60
	ELECTROSTATIC DISCHARGE	2000
	OPERATING TEMP	-40~+85
	STORAGE TEMP	-40~+90
	SOLDERING TEMP	MAX +260 °C @3 SEC
RED LED	PEAK FORWARD CURRENT	60
	FORWARD CURRENT	25
	ELECTROSTATIC DISCHARGE	2000
	POWER DISSIPATION	60
	OPERATING TEMP	-40~+85
	STORAGE TEMP	-40~+90
	SOLDERING TEMP	MAX +260 °C @3 SEC

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