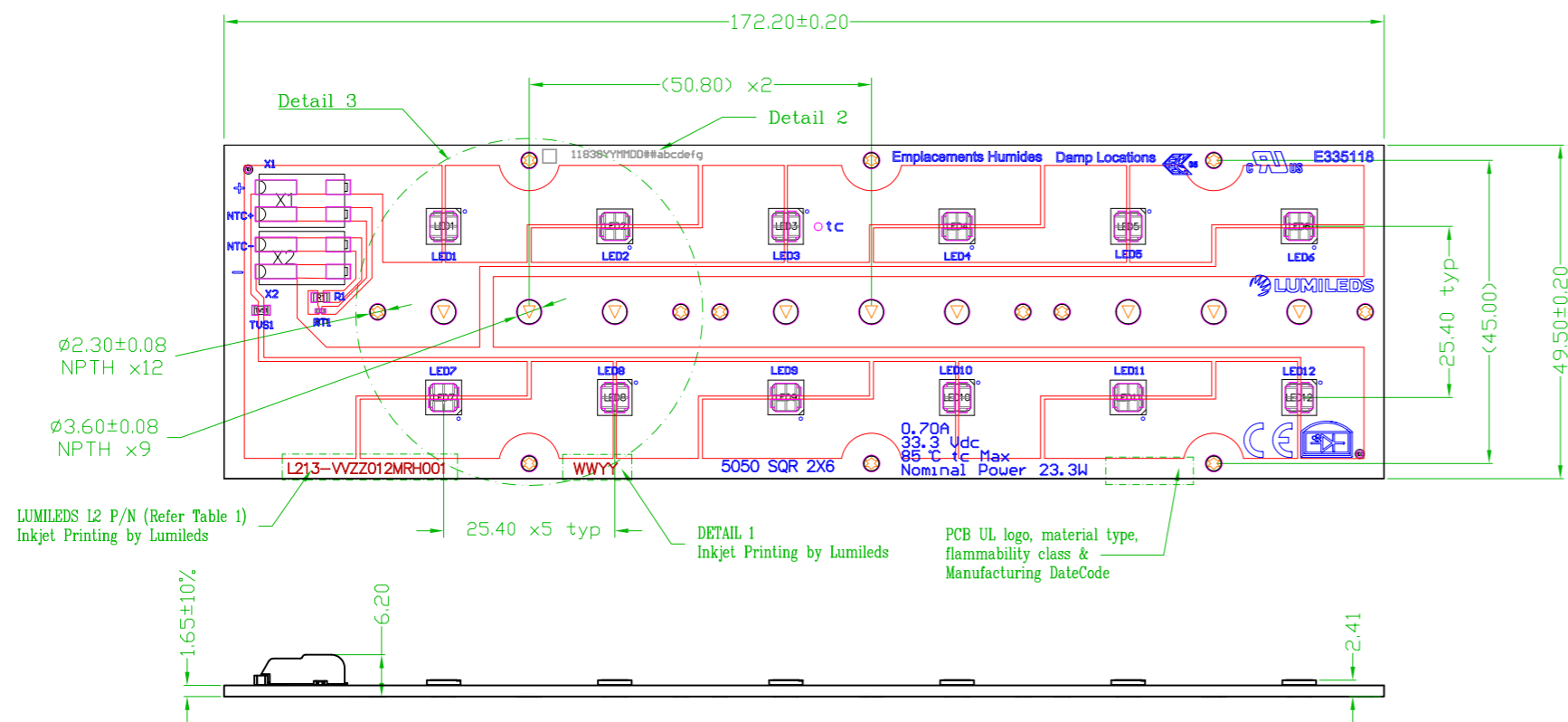


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ASSOCIATED 3D MODEL IS
GEOMETRY MASTER
DO NOT MODIFY THE GEOMETRY IN THIS
2D DRAWING. GEOMETRY MODIFICATIONS
MUST BE MADE TO THE MASTER 3D MODEL
AND USED TO UPDATE THIS DRAWING.

Symbol	Count	Hole Size	Plated	Hole Type
▽	9	3.600mm (141.73mil)	NPTH	Round
☆	12	2.300mm (90.55mil)	NPTH	Round
	21 Total			



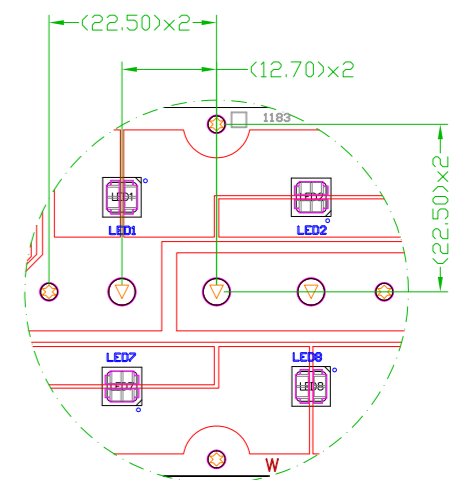
WW=Work Week YY=Year

Detail 1 :
Inkjet Printing by Lumileds
text height 1.6mm min.

- HEIGHT: 1mm

11838YYMDD##abcdefghg

Detail 2
2D Barcode 2.0x2.0mm (20 digits)



Detail 3

NOTES:

1. DIMENSION
1.1 UNLESS OTHERWISE SPECIFIED
1.2 CRITICAL DIMENSIONS ARE INDICATED BY (*) WITH CPK ≥ 1.33 ; AND WITH A NUMBER ENCLOSED WITH A CIRCLE, THE LAST CRITICAL DIMENSION IS ENCLOSED WITH A SQUARE
1.2.1 PCB LENGTH TOLERANCE
= $\pm 0.1\text{mm}(<100\text{mm})$, $\pm 0.2(<200\text{mm})$, $\pm 0.25\text{mm}(<300\text{mm})$
1.2.2 PCB WIDTH TOLERANCE
= $\pm 0.1\text{mm}(<100\text{mm})$, $\pm 0.2(<200\text{mm})$, $\pm 0.25\text{mm}(<300\text{mm})$
1.2.3 PCB HOLE POSITIONAL TOLERANCE
= $\pm 0.1\text{mm}$
1.2.4 PCB WARPAGE (BOW & TWIST) ALLOWANCE
= $<0.75\%$ per IPC-TM-650 TEST METHOD

- ## 2. ASSEMBLY SPECIFICATIONS
- ### 2.1 MOUNT COMPONENTS IN ACCORDANCE WITH ANSI/IPC-A-610 CLASS 2

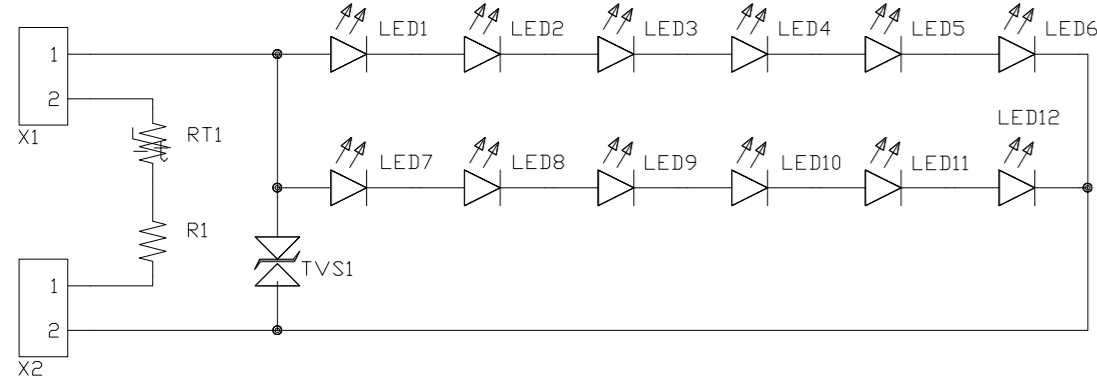
3. LASER 2D MATRIX CODE LABELING
3.1 LASER 2D MATRIX CODE INFORMATION:
11838 — PCB PART NUMBER
YYMMDD — DATE CODE
abcd — PANEL SERIAL NUMBER FROM **0001** to **9999**
— SUPPLIER CODE
efg — INDIVIDUAL BOARD SERIAL NUMBER FROM
 001 to **00x** (ONLY FOR BOARD ID)



PCB SPECIFICATIONS
 BASE MATERIAL = **MCPCB**
 CONDUCTIVE SURFACE FINISHING = **OSP**
 SOLDERMASK = **White**
 SILKSCREEN = **BLACK**
 SOLDER MASK TO METALLIZATION MISREGISTRATION = $\pm 75\mu\text{m}$
 ALL MATERIALS MUST BE ROHS COMPLIANCE

TABLE 1

LUMILEDS BOARD P/N	LUMILEDS L2 P/N L213-VVZZ012MRH001	CUSTOMER PART NUMBER	LED PART NUMBER	DESCRIPTION	CCT [VV]	CRI [ZZ]
324700011838	L213-2770012MRH001	NA	L150-27705006000S0	12up LED BOARD with LUXEON 5050 SQR 2700K 70CRI	2700K [27]	70 [70]
	L213-3070012MRH001		L150-30705006000S0	12up LED BOARD with LUXEON 5050 SQR 3000K 70CRI	3000K [30]	70 [70]
	L213-4070012MRH001		L150-40705006000S0	12up LED BOARD with LUXEON 5050 SQR 4000K 70CRI	4000K [40]	70 [70]
	L213-3080012MRH001		L150-30805006000S0	12up LED BOARD with LUXEON 5050 SQR 3000K 80CRI	3000K [30]	80 [80]
	L213-2780012MRH001		L150-27805006000S0	12up LED BOARD with LUXEON 5050 SQR 2700K 80CRI	2700K [27]	80 [80]
	L213-4080012MRH001		L150-40805006000S0	12up LED BOARD with LUXEON 5050 SQR 4000K 80CRI	4000K [40]	80 [80]

CIRCUIT DIAGRAM



		Chua Guek Kimg DRAWN BY		2020-03-16 DATE YYYY-MM-DD		5050 SQR 2x6 12up (LUXEON 5050 SQR) POD Drawing							
		Chow Seok Chen ENGINEER/CHECKER		2020-03-19 DATE YYYY-MM-DD									
TOLERANCE TYPE		UNLESS OTHERWISE SPECIFIED				TITLE		PART NUMBER L213-VVZZ012MRH001					
		* DIMENSIONS ARE IN MILLIMETERS * THIRD ANGLE PROJECTION  * ADHERENCE TO DWG A-5951-1561-1 (COMPANY STD. SECTION 608) AND A-5951-1745-1 (GSE) IS REQUIRED											
DO NOT SCALE THIS METRIC DRAWING		GD&T SYMBOLOLOGY PER ISO 1101 & ISO 5459				1 OF 1 SHEET		1:1 SHEET SCALE		A2 SIZE		PROD00005092 DOCUMENT NUMBER	