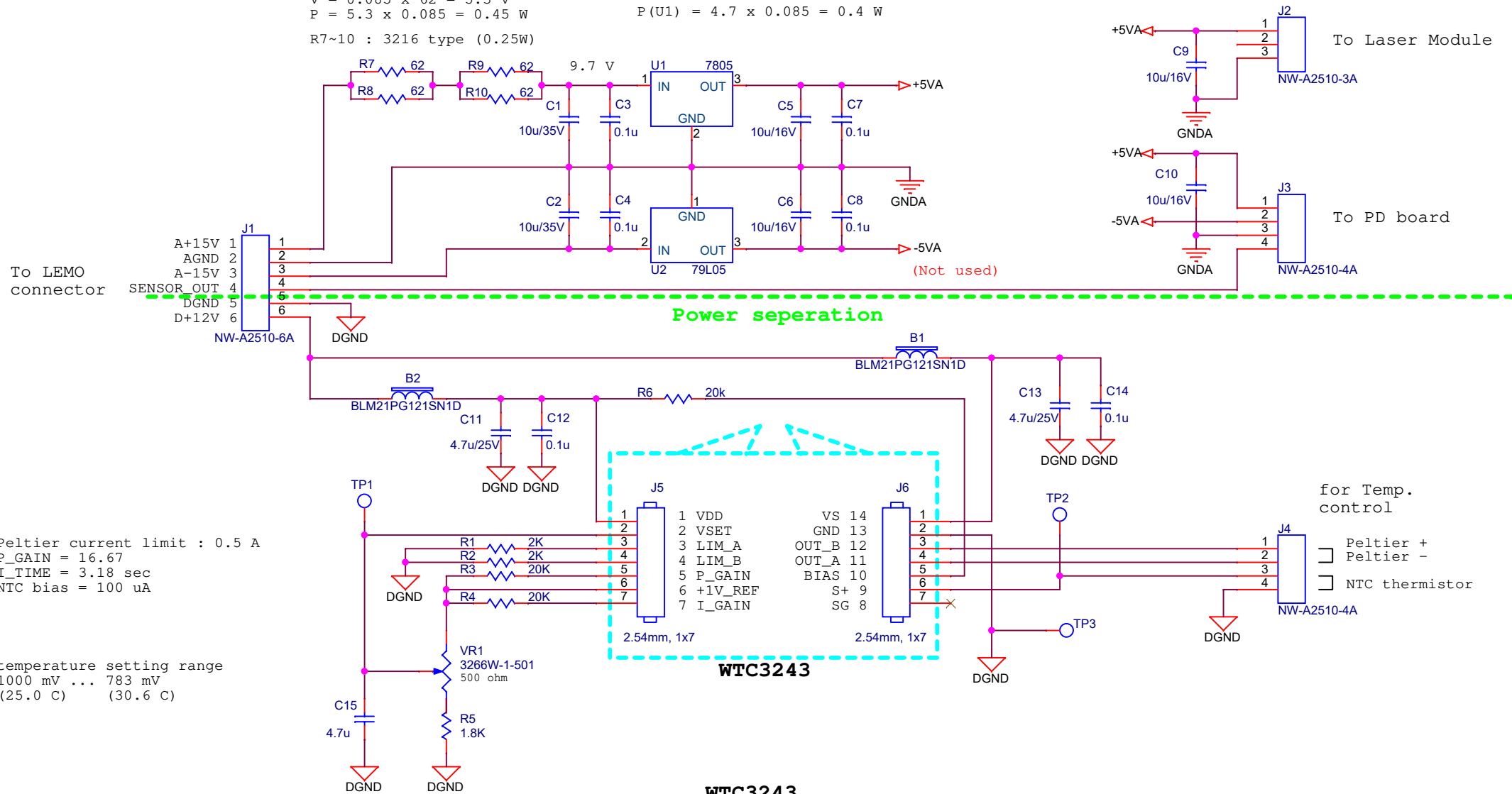


- |              |                            |       |            |
|--------------|----------------------------|-------|------------|
| Title        |                            |       |            |
| LPC PD Board |                            |       |            |
| Size<br>A4   | Document Number<br><Doc>   |       | Rev<br>0.1 |
| Date:        | Friday, September 23, 2022 | Sheet | 1 of 1     |

$I = 0.085 \text{ A}$   
 $V = 0.085 \times 62 = 5.3 \text{ V}$   
 $P = 5.3 \times 0.085 = 0.45 \text{ W}$   
 $P(U1) = 4.7 \times 0.085 = 0.4 \text{ W}$   
R7~10 : 3216 type (0.25W)



Peltier current limit : 0.5 A  
P\_GAIN = 16.67  
I\_TIME = 3.18 sec  
NTC bias = 100 uA

temperature setting range  
1000 mV ... 783 mV  
(25.0 C) (30.6 C)

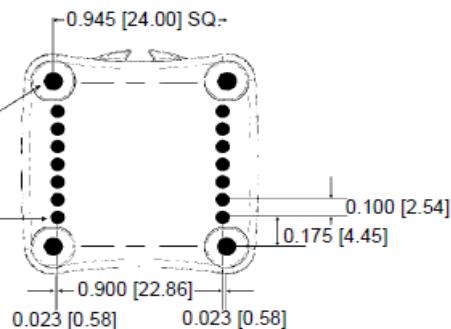
- < Notes >
- 1) TP1 : temp. setting voltage
  - 2) TP2 : temp. sensing voltage from NTC thermistor
  - 3) TP3 : temp. GND

### PCB FOOTPRINT

0.125 [3.18] Thru  
0.25 [6.4] DIA KEEPOUT  
4 Required

0.038 [0.97] Dia Thru Hole  
0.060 [1.52] Dia Pad  
14 Required

WTC3243



Title		
LPC Power Board		
Size	Document Number	Rev
A4	<Doc>	0.1
Date:	Wednesday, September 28, 2022	Sheet 1 of 1