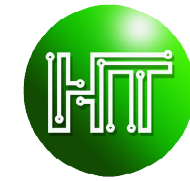


Dash board back light (LED Matrix)

HTT IC used : HT1388 and HT6329

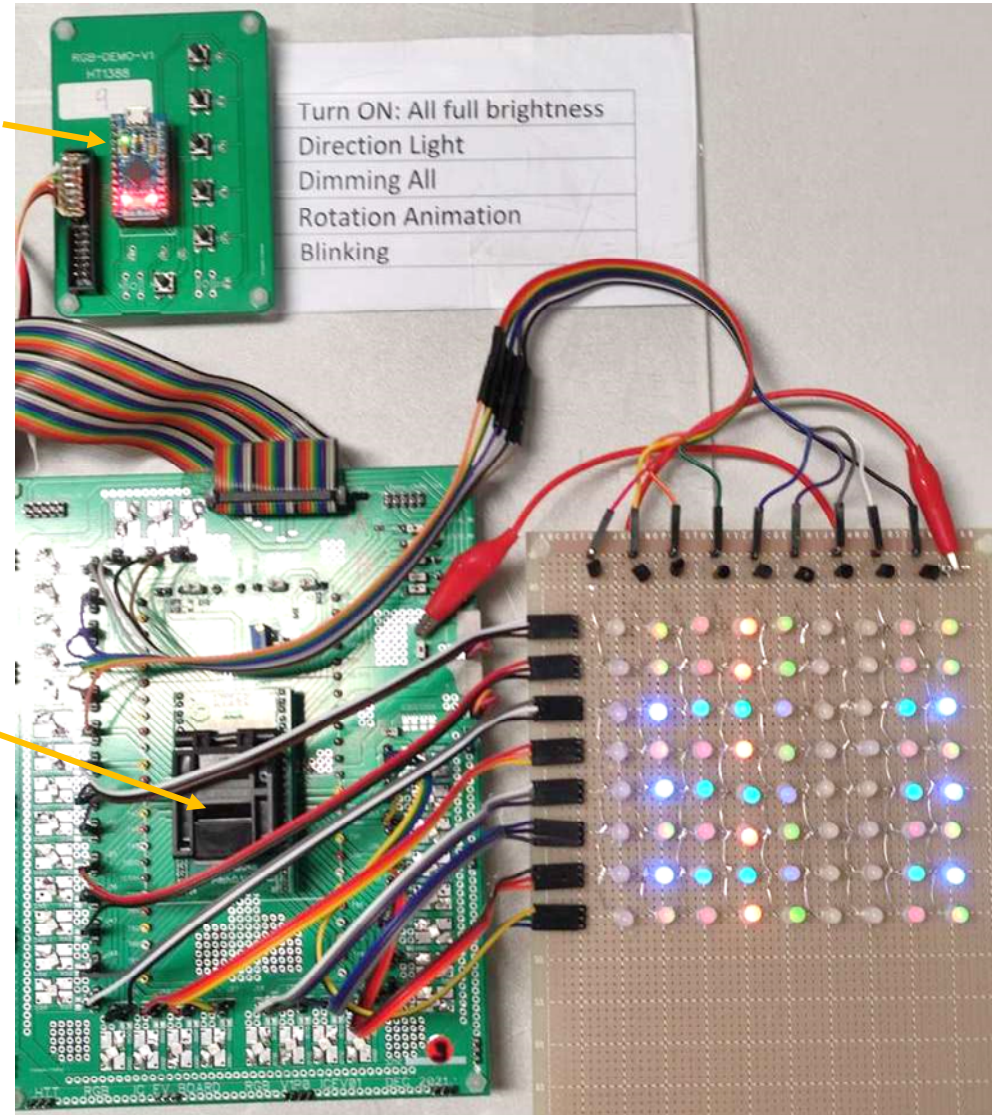
LED Matrix demo module

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MCU control unit



HT1388

8x9 LED MATRIX

Internal Use Only



LED Matrix demo module

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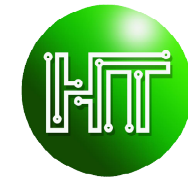
Matrix lights demo design specifications

	Power Management	Lighting control
HTT IC part	HT6329	HT1388
Input voltage	DC 12V - 24V	DC 3V - 5V
Output	Dual channel	33 channels
Output voltage	5V - 12V	5V
Output current	3A per channel	3mA~40mA per channel 256 steps
Demo board	HT6329+HT1388 basic driver module , connect to 8x9 LED Matrix °	
Hardware features	1) Display dots (ROW×COM): 8×9. 2) One HT6329 can connect up to 3 or more HT1388 demo boards to drive more LEDs.	
Software features	1) 4096 levels of PWM grayscale. 2) Fade in and fade out function. 3) Auto scrolling. 4) User programmable.	

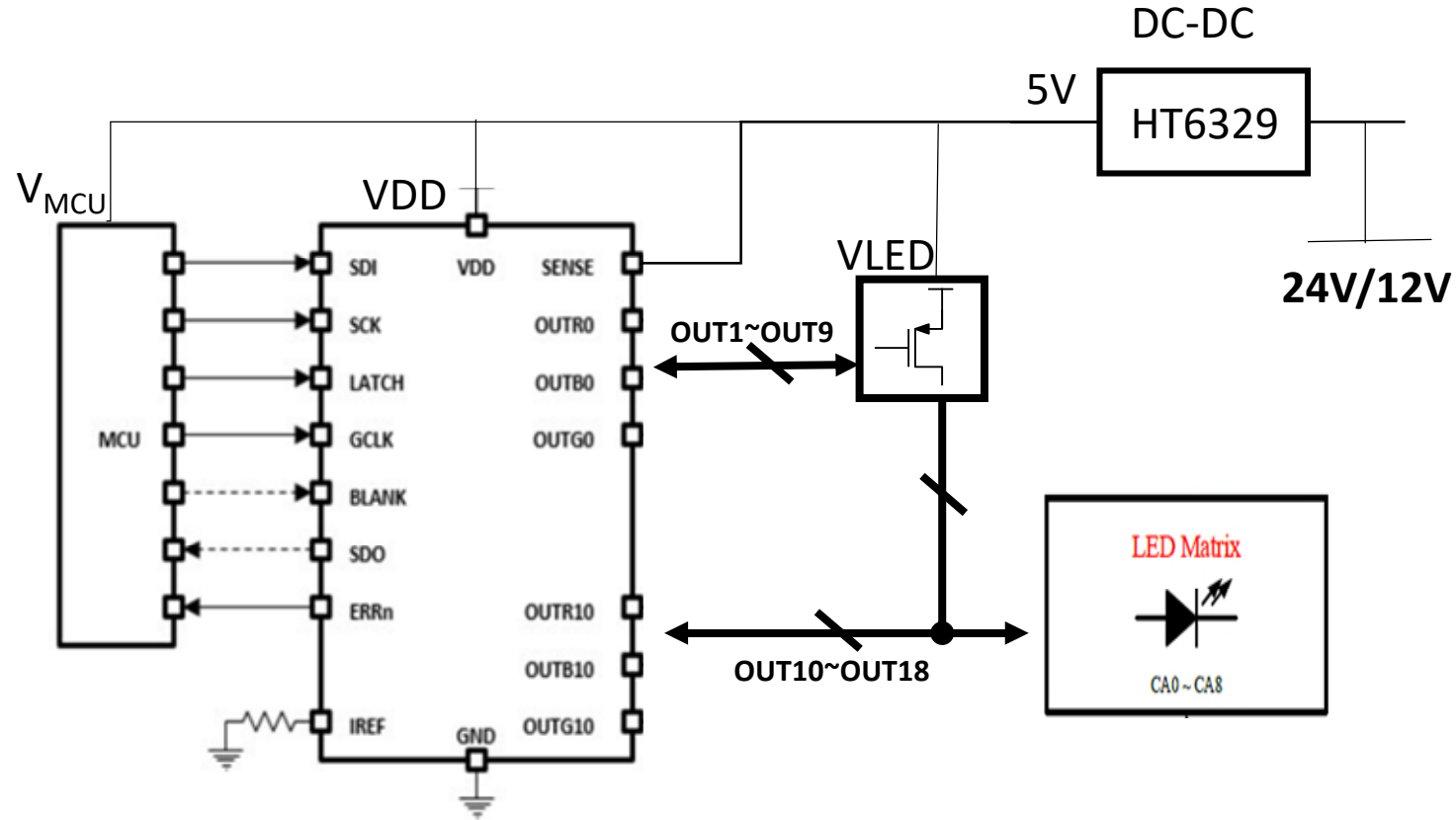
Internal Use Only

LED Matrix (Block diagram)

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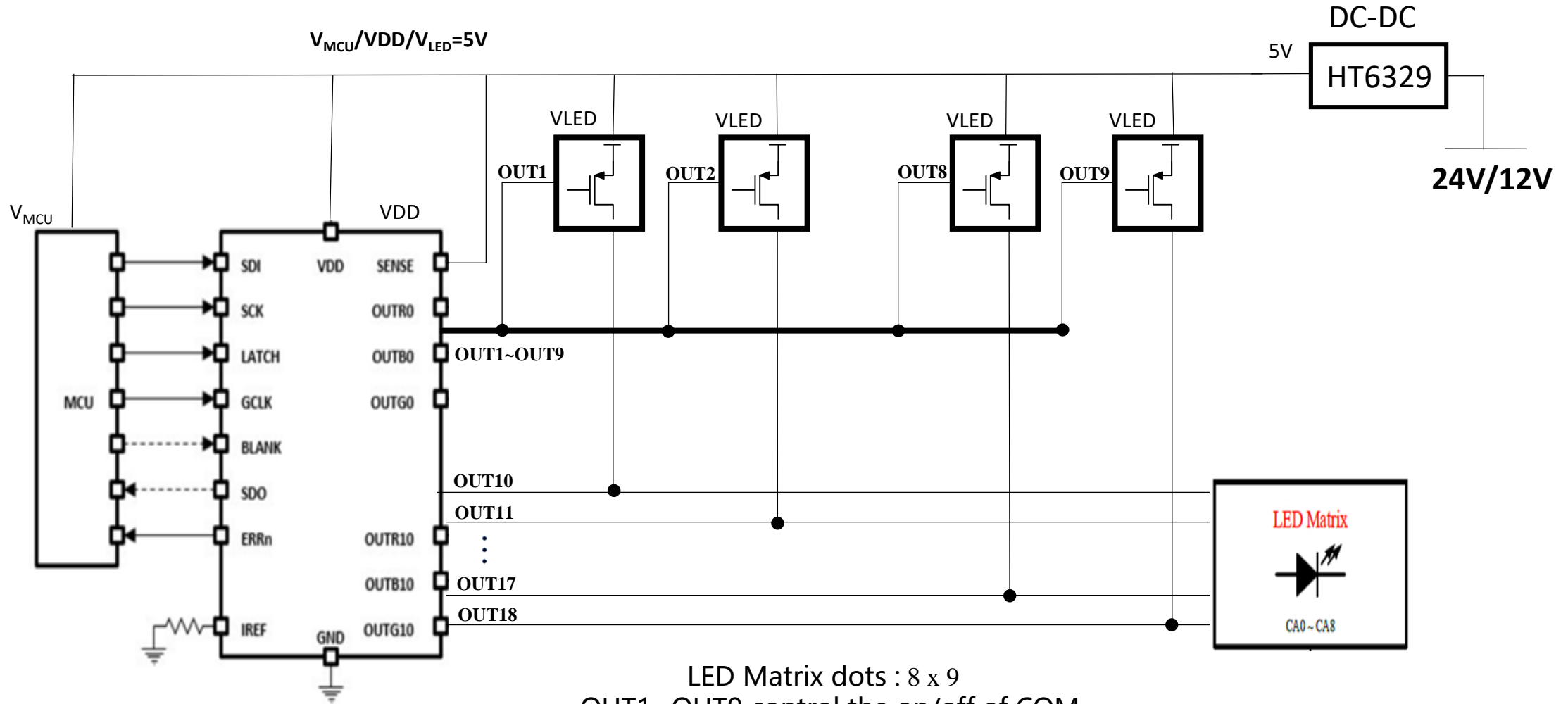
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HT1388 applications block diagram
Can drive 8x9 LED MATRIX

LED Matrix (HT1388 Simple block diagram)

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LED Matrix dots : 8 x 9
OUT1~OUT9 control the on/off of COM
OUT10~OUT18 connect to LED MATRIX board (CA0~CA8)



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