Dash board back light (LED Matrix)

HTT IC used：HT1388 and HT6329

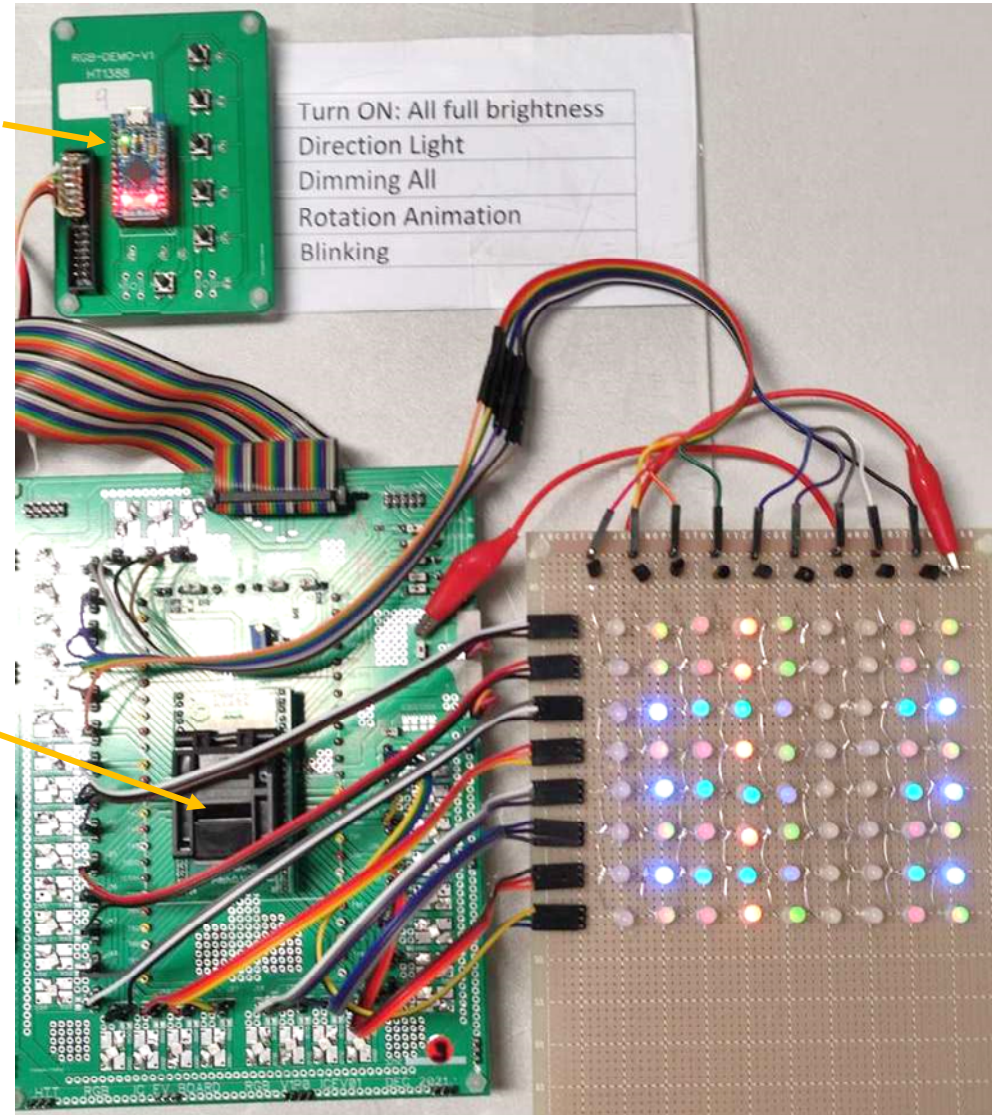# LED Matrix demo module

MCU control unit

Turn ON: All full brightness
Direction Light
Dimming All
Rotation Animation
Blinking
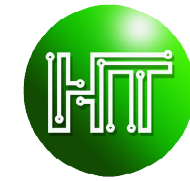
HT1388

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.	

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LED Matrix (Block diagram)
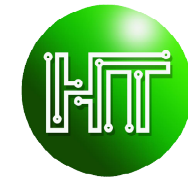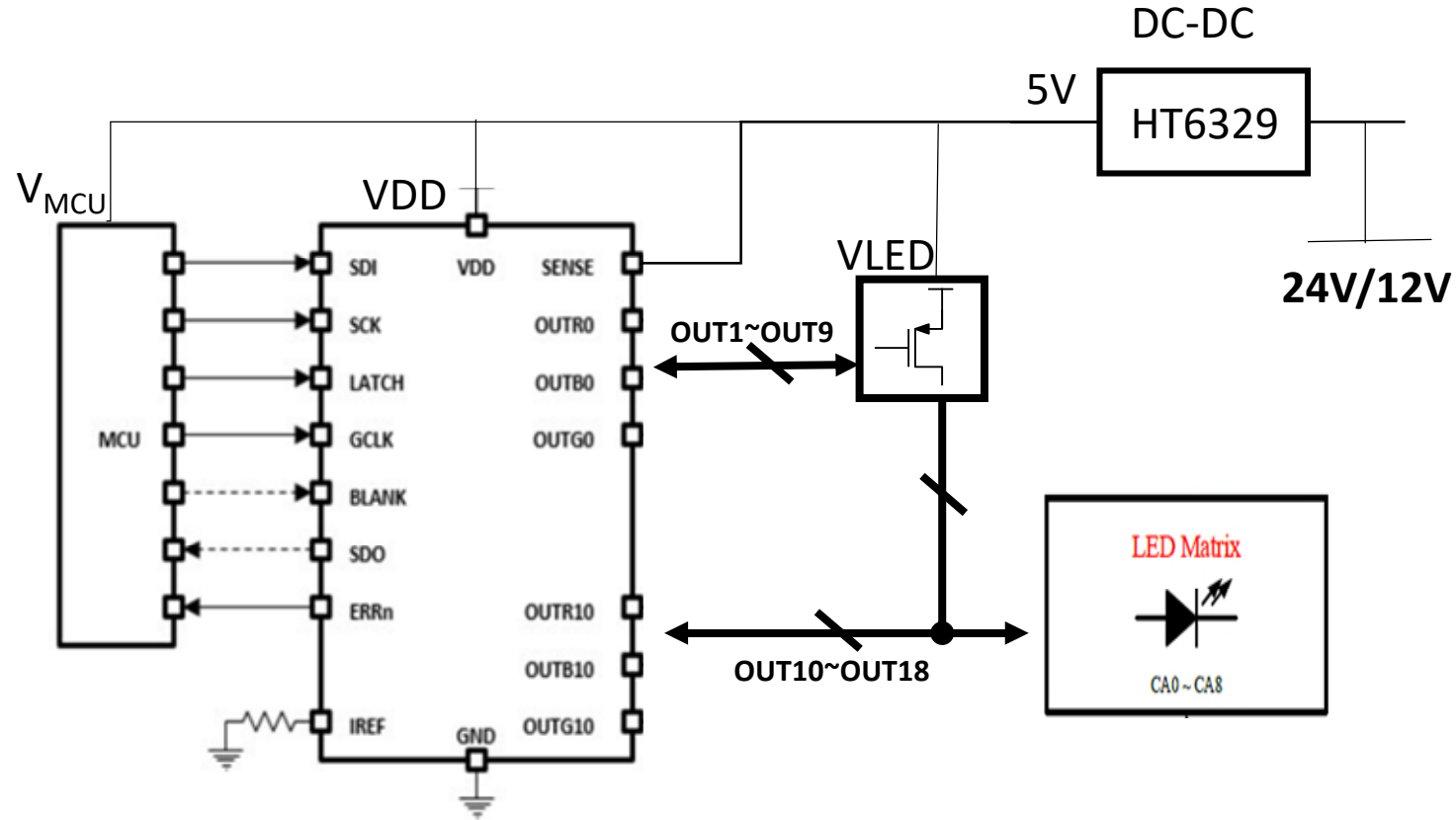
HT1388 applications block diagram
Can drive 8x9 LED MATRIX

Internal Use Only

LED Matrix (HT1388 Simple block diagram)
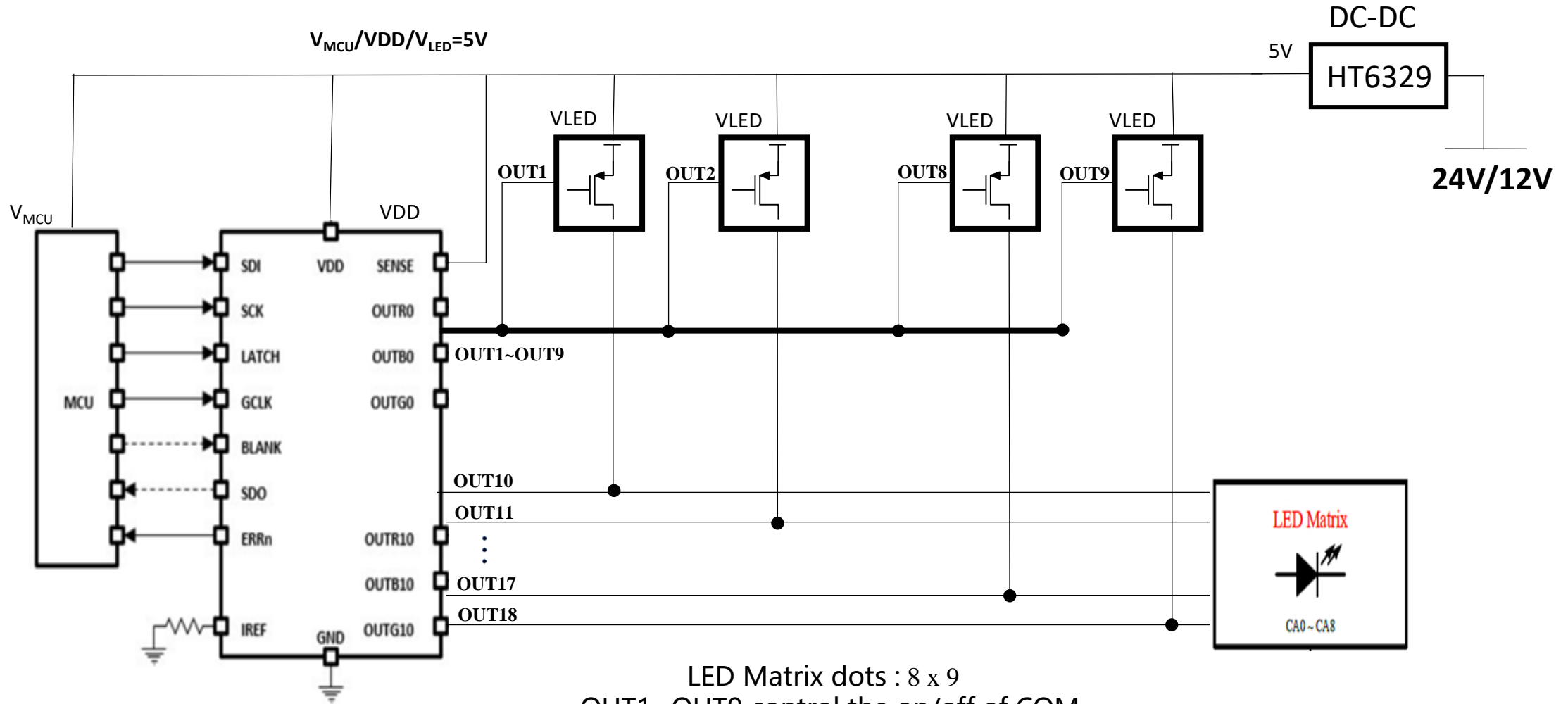
LED Matrix dots : 8 x 9
OUT1~OUT9 control the on/off of COM
OUT10~OUT18 connect to LED MATRIX board (CA0~CA8)

Internal Use Only

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