

Product Specification Model Name

□ Preliminary	Specifications
---------------	-----------------------

■ Final Specifications

Title	(DC/DC) LED Driving Board	
Model Name	D2625014G1PA	
Version	Rev. 1	

Customer	
Approved by	Date
Notice : This Specification is subj	ect to change without notice.

Approved By	Prepared By
Frank Kuo	Tony Chiu

Modification records			
Version	Date	Page	Remark
Rev. 1	2019/6/20		
		-	
		-	
	1		
	1	I .	

Description

D26 series is a high voltage Boost driver with 1~4 channels adjustable constant current regulators for LED backlight applications.

The D26 series eliminates the audio noise by maintaining constant LED current regulation during PWM dimming. It could output the lowest dropout voltage among used channels to Boost Driver in order to maintain the output voltage in optimal level.

An OVP circuit is built for open-loop protection when any string becomes open.

Analog dimming control(option), built in DC to PWM (Pulse Width Modulation) module, signal for the dimming control function allows users to set LED brightness smoothly.

Applicable

Input voltage: +11V~+32V.

Output LED voltage:+18V~+60V.(@Vin=12V)

1~4 constant-current output channels.

Feature

Wide input voltage range.

External PWM dimming control.(PWM Input frequency Range 240Hz ~ 30kHz)

External DC (0V ~ +3.3V) dimming control.(Option).

External power On/Off control.

Output LED String Open Protection.

Output LED String Short Protection.

Output LED String Over Current Protection.

Thermal protection function protects IC from over temperature damage.

	Operating Condition			
Item	Min.	Тур.	Max.	Units
Input Voltage	11	12	32	Volt
Input Current	-	TBD	-	Α
Output Voltage	18	~	60	Volt
Output Current(rms)	-10%	200 (50mA * 4string)	+10%	mA
Over voltage Protection (OVP)	-	-	60	Volt
Controll Voltage (On)	2	5	7	Volt
PWM Dimming Control	240	1000	30,000	Hz
Efficiency	85	88	90	%
Operating Temperature	-20	25	70	°C
Storage Temperature	-50	25	125	°C

		I/C	Connector
Input conne	ctor		Οι
CN1_(JST-S	6B-2.0mm) or co	ompatible	CN
Pin No.	Symbol	Description	
CN1-1	VIN	DC power input	
CN1-2	VIN	DC power input	
CN1-3	ON/OFF	0.7V(off), 2V~5V(on)	
CN1-4	PWM Dimming	0%(3mA)~100%(50mA)	
CN1-5	GND	Ground	
CN1-6	GND	Ground	

Output connector		
CN6_(JST-S6B-2.0mm) or compatible		
Pin No.	Symbol	
CN6-1	IRLED (current out 50mA)	
CN6-2	IRLED (current out 50mA)	
CN6-3	VLED (voltage in)	
CN6-4	VLED (voltage in)	
CN6-5	IRLED (current out 50mA)	
CN6-6	IRLED (current out 50mA)	

