

SCiCoreLink62E

IGBT/MOSFET drivers

PRELIMINARY TECHNICAL INFORMATION

Adaptation board for SCiCore^{Drive}22 for econodual IGBT modules

DEFAULT VALUES (board configuration)

- -Half Bridge mode (Direct Mode optional) -4µS dead time between channels generated
- -4µS dead time between channels generated -Gate resistor depending on the IGBT module used
- -0-5V input PWM logic levels (0-15V optional)
- -0-5V logic fault output

(low level-open collector output optional)



Foto no contractual / Photo non-contractual

SCi*Core*^{Link}**62E** is a printed circuit board specially designed for the driver module **SCi***Core*^{Drive}**22**. For more accuracy information about the working of the entire driver board, consult the datasheet of the **SCi***Core*^{Drive}**22**. Gate resistors are not included (by default). Configuration other than the default one is available by order, in that case, please contact with us.

ELECTRICAL CHARACTERISTICS

Description	symbol	notes/test conditions	Min	Тур	Мах	Units
Supply voltage	V _{cc}		14	15	16	V
PWM High state Input voltage	V _{PWM_H}	ID18 ID2 connected (1)	3,5		5	V
PWM Low state Input voltage	V _{PWM_L}	JPTAJPZ connected (*)	0		1,5	V
PWM High state Input voltage	V _{PWM_H}	JP1&JP2 unconnected (1)	11		15	V
PWM Low state Input voltage	V _{PWM_L}		0		4	V
Reset High state Input Voltage	V _{RESET_H}		2		5	V
Reset Low state Input Voltage	V _{RESET_L}		0		0,8	V
Fault open collector current	I _{FAULT}	working as open collector			8	mA
Fault High state Output Voltage	V _{FAULT_H}	working in logic level			5	V
Fault Low state Output Voltage	V _{FAULT_L}	indicates fault condition open collector or logic level	0		0,4	V

Note: JP1 and JP2 jumpers are located in the SCiCore^{Drive}22, not in SCiCore^{Link}62E

Reserves the right to change limits, test conditions and dimensions given in this data sheet at any time without previous notice.



CON 1	designation	function	
1	PWM	Input logic signal for switching TOP IGBT	
2	GND	Ground terminal for supply and logic signals	
3	GND	Ground terminal for supply and logic signals	
4	RESET	reset input signal (low state	
5	GND	Ground terminal for supply and logic signals	
6	VCC	+15VDC for supply voltage	
7	FAULT	fault output signal	
8	VCC	+15VDC for supply voltage	
9	VCC	+15VDC for supply voltage	
10	PWM _{BOT}	Input logic signal for switching BOT IGBT	

CON 2	designation	function
1	NTC1	Terminal 1 for internal module NTC
2	NTC2	Terminal 2 for internal module NTC

	JUMPERS
JP1	both connected: 5V logic level
JP2	both unconnected: 15V logic level
JP3	right connected: half bridge mode
	left connected: direct mode

conector CON1: type TYCO 1-1634688-0

conector CON2: type MOLEX 22-27-2021



110

All dimensions are in mm



assembly example

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