

## FEATURES

- RoHS-compliant, NB SOIC-8 package
- 6A peak source and sink drive current options
- Miller Clamp Option
- 2.5V to 5.5V Input supply voltage
- Up to 33V Driver supply voltage
- 12V UVLO protection options
- 3750Vrms Isolation voltage:
- 150kV/us typical CMTI
- CMOS inputs
- Safety and regulatory approvals:
  - UL certificate number: (Pending)
  - 3750Vrms for 1 minute per UL 1577
  - VDE certificate number: (Pending)
  - DIN VDE V 0884-11:2017-01
  - $V_{IORM} = 1200V$  peak
  - CQC certification per GB4943.1-2011:(Pending)
- AEC-Q100 qualification
- Operating temperature range:  $-40^{\circ}C$  to  $125^{\circ}C$

## APPLICATIONS

- Switched-Mode Power Supplies
- EV/HEV Inverters and DC/DC Converters
- Solar Inverters
- Motor Control
- UPS and PSU

## GENERAL DESCRIPTION

The **Pai82xxxx** is one 2PaiSemi isolated gate driver product family that provide outstanding performance characteristics by using 2PaiSemi **iDivider**® technology.

The Pai8211C-SR is a family of single-channel isolated gate driver with 3750Vrms (NB SOIC-8) isolation voltage per UL 1577.

The Pai8211C-SR provides wide output VCC operating range from 13V to 33V enables effective driving with Si or SiC MOSFET and IGBT power switches. Integrated UVLO protection ensures output held at low under abnormal conditions. The input VCC operates from 2.5V to 5.5V, which supports most digital controllers.

Compared to an optocoupler, Pai8211C-SR has lower propagation delay, lower part-to-part skew, higher operating temperature and higher CMTI. It is very convenient to control MOSFET/IGBT gate drive across isolation barrier or with level shifting.

### Device Information

PART NUMBER <sup>1</sup>	PIN CONFIGURATION	PACKAGE	UVLO
Pai8211C-SR	Miller clamp	NB SOIC-8	12V
Pai8211C-W5R	Miller clamp	WB SOIC-8	12V

Note: Part Number with Q means AEC-Q100 qualification.

## FUNCTIONAL BLOCK DIAGRAMS

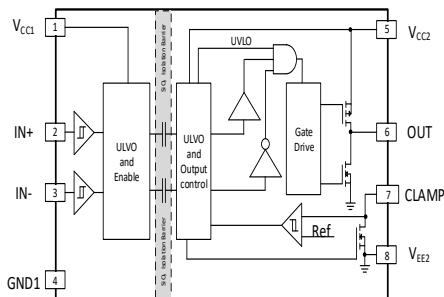


Figure1.Pai8211C Functional Block

### Rev.0.1

Information furnished by 2Pai Semi is believed to be accurate and reliable. However, no responsibility is assumed by 2Pai Semi for its use, nor for any infringements of patents or other rights of third parties that may result from its use. Specifications subject to change without notice. No license is granted by implication or otherwise under any patent or patent rights of 2Pai Semi.

Trademarks and registered trademarks are the property of their respect Downloaded From [Oneyac.com](http://www.oneyac.com)

Room 307-309, No.22, Boxia Road, Pudong New District, Shanghai, 201203, China  
021-50850681  
2Pai Semiconductor Co., Limited. All rights reserved.  
<http://www.rpsemi.com/>

## PIN CONFIGURATIONS AND FUNCTIONS

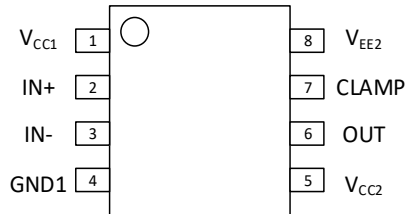


Figure2. Pai8211C Pin Configuration

Table1. Pai8211C-SR Pin Function Descriptions

NAME	NO.	TYPE	DESCRIPTION
V <sub>CC1</sub>	1	P	Input Power Supply
IN+	2	I	Positive Input
IN-	3	I	Negative Input
GND1	4	G	Input Ground
V <sub>CC2</sub>	5	P	Output Power Supply
OUT	6	O	Output for Pai8211C
CLAMP	7	I	Active Miller Clamp Input Function used to turn of the power switches for Pai8211C
V <sub>EE2</sub>	8	G	Output Ground

## SPECIFICATIONS

### Absolute Maximum Ratings

Table2. Pai8211C-SR Absolute Maximum Ratings  
Over operating free-air temperature range (unless otherwise noted) <sup>(1)</sup>

DESCRIPTION		MIN	MAX	UNIT
V <sub>CC1</sub>	Input supply voltage (reference to GND1)	-0.3	7	V
IN+, IN-	Signal input voltage	-0.3	V <sub>CC1</sub> +0.3	V
V <sub>CC2</sub>	Output supply voltage (reference to V <sub>EE2</sub> )	-0.3	36	V
OUT, CLAMP	Gate driver output voltage	V <sub>EE2</sub> -0.3	V <sub>CC2</sub> +0.3	V
T <sub>J</sub>	Junction temperature	-40	150	°C
T <sub>STG</sub>	Storage temperature	-65	150	°C

(1) Operating beyond those listed under *Absolute Maximum Ratings* may cause permanent damage to the device. Exposure to absolute maximum rated conditions for extended period may affect device reliability.

### ESD Rating

Table3. Pai8211C-SR ESD Ratings

DESCRIPTION		Value	UNIT
V <sub>(ESD)</sub> Electrostatic discharge	Human body model (HBM), per ANSI/ESDA/JEDEC JS-001 <sup>(1)</sup>	+/-6000	V
	Charged-device model (CDM), per JEDEC specification JESD22-C101 <sup>(2)</sup>	+/-2000	

(1) JEDEC document JEP155 states that 500V HBM allows safe manufacturing with a standard ESD control process.

(2) JEDEC document JEP157 states that 250V CDM allows safe manufacturing with a standard ESD control process.

### Recommended Operation Conditions

Table4. Pai8211C-SR Recommended Operating Conditions

DESCRIPTION		MIN	MAX	UNIT
V <sub>CC1</sub>	Input supply voltage	2.5	5.5	V
V <sub>In+</sub> /V <sub>In-</sub>	Input voltage	0	V <sub>CC1</sub>	V
V <sub>CC2</sub>	Output supply voltage, Pai8211C	13.2	33	V
V <sub>EE2</sub>	Negative Output Power Supply,	-15	0	V

DESCRIPTION		MIN	MAX	UNIT
T <sub>A</sub>	Ambient temperature	-40	125	°C

## Truth Table

Table5. Pai8211C-SR Truth Table

V <sub>CC1</sub>	IN+	IN-	V <sub>CC2</sub>	OUT	CLAMP
above UVLO	L <sup>(1)</sup> or floating	X	above UVLO	Hi-Z	L
above UVLO	H	H or floating	above UVLO	Hi-Z	L
above UVLO	H	L	above UVLO	H	Hi-Z
X	X	X	below UVLO	Hi-Z	L
below UVLO	X	X	X	Hi-Z	L

(1) L=Logic Low, H= Logic High, X=H, L or floating, Hi-Z= High impedance.

## Thermal Information

Table6. Pai8211C-SR Thermal Information

PACKAGE THERMAL RATINGS		Rating	UNIT
R <sub>θJA</sub>	Junction-to-Ambient thermal resistance	110	°C/W
Ψ <sub>JT</sub>	Junction-to-top characterization parameter	18	°C/W

## Supply Power Ratings

Table7. Pai8211C-SR Supply Power Ratings

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
P <sub>D</sub>	Maximum power dissipation on input and output			1.14	W
P <sub>D1</sub>	Maximum input power dissipation			0.01	W
P <sub>D2</sub>	Maximum output power dissipation			1.13	W

V<sub>CC1</sub> = 5 V, V<sub>CC2</sub> = 15 V, f = 1.8MHz, 50% duty cycle, square wave, 2.2nF load

## Electrical Specifications

Table8. Pai8211C-SR Electrical Specifications

V<sub>CC1</sub> = 2.5V<sub>DC</sub>±3% or 3.3V<sub>DC</sub>±10% or 5V<sub>DC</sub>±10%, 0.1uF capacitor from V<sub>CC1</sub> to GND1, V<sub>CC2</sub> = 15V<sub>DC</sub>±10%, 1uF capacitor from V<sub>CC2</sub> to V<sub>EE2</sub>, C<sub>LOAD</sub> = 1nF. T<sub>A</sub> = -40°C to 125°C (Unless otherwise noted).

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
<b>SUPPLY CURRENTS</b>					
I <sub>VCC1</sub>	V <sub>CC1</sub> quiescent current		0.8		mA
I <sub>VCC2</sub>	V <sub>CC2</sub> quiescent current		1.8		mA
<b>SUPPLY VOLTAGE UNDERVOLTAGE THRESHOLDS</b>					
V <sub>UV+(VCC1)</sub>	V <sub>VCC1</sub> Undervoltage Rising Threshold	2.10	2.25	2.40	V
V <sub>UV-(VCC1)</sub>	V <sub>VCC1</sub> Undervoltage Falling Threshold	2.00	2.10	2.20	V
V <sub>HYS(VCC1)</sub>	V <sub>VCC1</sub> UVLO threshold hysteresis		0.15		V
<b>DRIVER SUPPLY VOLTAGE UNDERVOLTAGE THRESHOLDS</b>					
V <sub>UV+(VCC2)</sub>	V <sub>VCC2</sub> Undervoltage Rising Threshold		12	13	V
V <sub>UV-(VCC2)</sub>	V <sub>VCC2</sub> Undervoltage Falling Threshold	10	11		V
V <sub>HYS(VCC2)</sub>	V <sub>VCC2</sub> UVLO threshold hysteresis		1		V
<b>INPUT</b>					
V <sub>INH</sub>	Input rising threshold		0.50*V <sub>CC1</sub>	0.60*V <sub>CC1</sub>	V
V <sub>INL</sub>	Input falling threshold	0.30*V <sub>CC1</sub>	0.35*V <sub>CC1</sub>		V
V <sub>HYS</sub>			0.15*V <sub>CC1</sub>		
<b>OUTPUTS</b>					
I <sub>OH</sub> /I <sub>OL</sub>	Peak source and sink current	Pai8211C C <sub>LOAD</sub> = 0.22uF,	6	10	A

		with external current limiting resistors, 1kHz switching frequency			
V <sub>OH</sub>	High-level output voltage (V <sub>CC2</sub> -V <sub>OUTH</sub> )	<b>Pai8211C</b> I <sub>OUTH</sub> = -20 mA	100		mV
V <sub>OL</sub>	Low level output voltage (V <sub>OUTH</sub> -V <sub>OUTL</sub> )	<b>Pai8211C</b> I <sub>OUTL</sub> = 20mA	7.5		mV
<b>ACTIVE MILLER CLAMP (Pai8211C only)</b>					
V <sub>CLAMP</sub>	Low level clamp voltage	<b>Pai8211C</b> , I <sub>CLAMP</sub> = 20 mA	7	10	mV
I <sub>CLAMP</sub>	Clamp low level current	<b>Pai8211C</b> , V <sub>CLAMP</sub> = V <sub>EE2</sub> + 15 V	10		A
V <sub>CLAMP-TH</sub>	Clamp threshold voltage	<b>Pai8211C</b>	2.1	2.3	V
<b>TIMING</b>					
t <sub>PLH</sub>	Propagation delay, high <sup>1</sup>	<b>Pai8211C</b> C <sub>LOAD</sub> = 1.8nF	51	65	ns
t <sub>PHL</sub>	Propagation delay, low <sup>1</sup>	<b>Pai8211C</b> C <sub>LOAD</sub> = 1.8nF	51	65	
t <sub>PWD</sub>	Pulse Width Distortion	C <sub>LOAD</sub> = 1.8nF	1	10	ns
t <sub>r</sub>	Rise time <sup>2</sup>	C <sub>LOAD</sub> = 1.8nF	8	15	ns
t <sub>f</sub>	Fall time <sup>2</sup>		7	12	
CMTI		Common-mode transient immunity <sup>3</sup>	150		kV/us

(1) t<sub>PLH</sub> = low-to-high propagation delay time, t<sub>PHL</sub> = high-to-low propagation delay time. See Figure21.

(2) t<sub>r</sub> means is the time from 10% amplitude to 90% amplitude of the rising edge of the signal, t<sub>f</sub> means is the time from 90% amplitude to 10% amplitude of the falling edge of the signal. See Figure20.

(3) See Figure24 for Common-mode transient immunity (CMTI) measurement.

## INSULATION AND SAFETY RELATED SPECIFICATIONS

### Insulation Specifications

Table9. Pai8211C-SR Insulation Specifications

PARAMETER	SYMBOL	VALUE	UNIT	TEST CONDITIONS/COMMENTS
Rated Dielectric Insulation Voltage		3750	V rms	1-minute duration
Minimum External Air Gap (Clearance)	L (CLR)	≥ 4	mm	Measured from input terminals to output terminals, shortest distance through air
Minimum External Tracking (Creepage)	L (CRP)	≥ 4	mm	Measured from input terminals to output terminals, shortest distance path along body
Minimum Internal Gap (Internal Clearance)		≥ 21	μm	Insulation distance through insulation
Tracking Resistance (Comparative Tracking Index)	CTI	>400	V	DIN IEC 112/VDE 0303 Part 1
Material Group		II		Material Group (DIN VDE 0110, 1/89, Table 1)

### Package Specifications

Table10. Pai8211C-SR Package Specifications

PARAMETER	SYMBOL	TYPICAL VALUE	UNIT	TEST CONDITIONS/COMMENTS
Resistance (Input to Output) <sup>1</sup>	R <sub>i-o</sub>	10 <sup>-11</sup>	Ω	
Capacitance (Input to Output) <sup>1</sup>	C <sub>i-o</sub>	1.5	pF	@1MHz
Input Capacitance <sup>2</sup>	C <sub>i</sub>	3	pF	@1MHz

(1) The device is considered a 2-terminal device; SOIC-8 Pin 1 - Pin 4 are shorted together as the one terminal, and SOIC-8 Pin 5 - Pin 8 are shorted together as the other terminal.

(2) Testing from the input signal pin to ground.

## Regulatory Information

Table11. Pai8211C-SR Regulatory Information

The Insulation Lifetime section for details regarding recommended maximum working voltages for specific cross isolation waveforms

and insulation levels.

UL	VDE	CQC
Recognized under UL 1577 Component Recognition Program <sup>1</sup>	DIN VDE V 0884-11:2017-01 <sup>2</sup>	Certified under CQC11-471543-2012
Single Protection, 3750V rms Isolation Voltage	Basic insulation, $V_{IORM} = 1200V$ peak, $V_{IOSM} = 5000V$ peak	GB4943.1-2011  Basic insulation at 500 V rms (707 V peak) working voltage Reinforced insulation at 422 V rms (600 V peak)
File (pending)	File (pending)	File (pending)

- (1) In accordance with UL 1577, each Pai8211C-SR is proof tested by applying an insulation test voltage  $\geq 4500$  V rms for 1 sec.
- (2) In accordance with DIN V VDE V 0884-11, each Pai8211C-SR is proof tested by applying an insulation test voltage  $\geq 1800V$  peak for 1 sec (partial discharge detection limit = 5 pC). The \* marking branded on the component designates DIN V VDE V 0884-11 approval.

### VDE Insulation Characteristics

Table12. VDE Insulation Characteristics

DESCRIPTION	TEST CONDITIONS/COMMENTS	SYMBOL	CHARACTERISTIC	Unit
Installation Classification per DIN VDE 0110 For Rated Mains Voltage $\leq 150$ V rms For Rated Mains Voltage $\leq 300$ V rms For Rated Mains Voltage $\leq 400$ V rms			I to IV I to III I to III	
Climatic Classification			40/105/21	
Pollution Degree per DIN VDE 0110, Table 1			2	
Maximum repetitive peak isolation voltage		$V_{IORM}$	1200	V peak
Input to Output Test Voltage, Method B1	$V_{IORM} \times 1.5 = V_{pd(m)}$ , 100% production test, $t_{ini} = t_m = 1$ sec, partial discharge $< 5$ pC	$V_{pd(m)}$	1800	V peak
Input to Output Test Voltage, Method A After Environmental Tests Subgroup 1	$V_{IORM} \times 1.2 = V_{pd(m)}$ , $t_{ini} = 60$ sec, $t_m = 10$ sec, partial discharge $< 5$ pC	$V_{pd(m)}$	1440	V peak
After Input and/or Safety Test Subgroup 2 and Subgroup 3	$V_{IORM} \times 1.2 = V_{pd(m)}$ , $t_{ini} = 60$ sec, $t_m = 10$ sec, partial discharge $< 5$ pC		1440	V peak
Highest Allowable Overvoltage		$V_{IOTM}$	5300	V peak
Surge Isolation Voltage Basic	Basic insulation, 1.2/50 $\mu$ s combination wave, $V_{TEST} = 1.3 \times V_{IOSM}$ (qualification) <sup>1</sup>	$V_{IOSM}$	5000	V peak
Safety Limiting Values	Maximum value allowed in the event of a failure (see Figure5)			
Maximum safety Temperature		$T_S$	150	$^{\circ}C$
Maximum Power Dissipation at 25 $^{\circ}C$		$P_S$	1.14	W
Insulation Resistance at $T_S$	$V_{IO} = 500$ V	$R_S$	$>10^9$	$\Omega$

- (1) In accordance with DIN V VDE V 0884-11, Pai8211C-SR is proof tested by applying a surge isolation voltage 6500V.

### TYPICAL CHARACTERISTIC

$V_{CC1} = 2.5V_{DC} \pm 3\%$  or  $3.3V_{DC} \pm 10\%$  or  $5V_{DC} \pm 10\%$ , 0.1 $\mu$ F capacitor from  $V_{CC1}$  to GND1,  $V_{CC2} = 15V_{DC} \pm 10\%$ , 1 $\mu$ F capacitor from  $V_{CC2}$  to  $V_{EE2}$ ,  $C_{LOAD} = 1nF$ .  $T_A = -40^{\circ}C$  to  $125^{\circ}C$  (Unless otherwise noted).

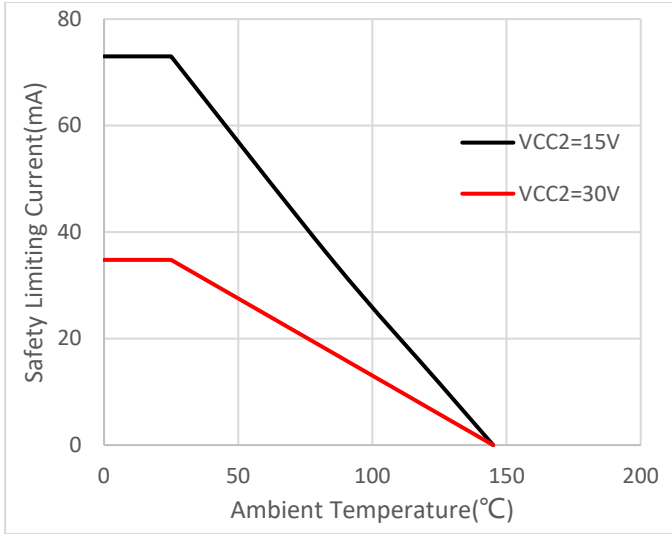


Figure4. Thermal Derating Curve for Limiting Current with Ambient Temperature per VDE

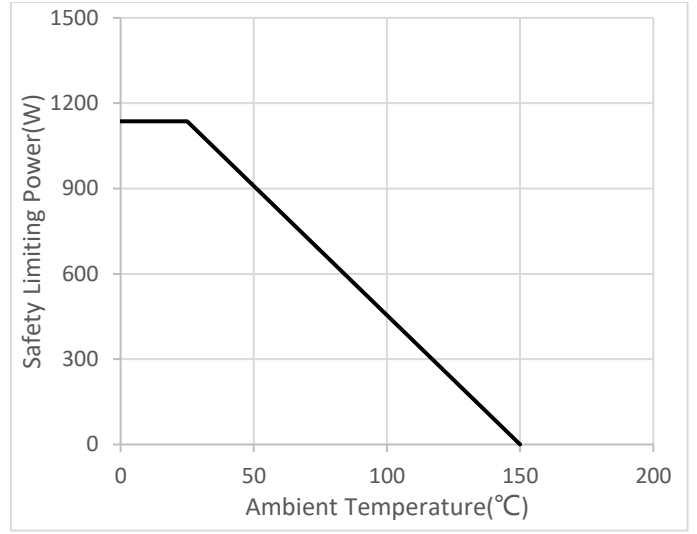


Figure5. Thermal Derating Curve for Limiting Power with Ambient Temperature per VDE

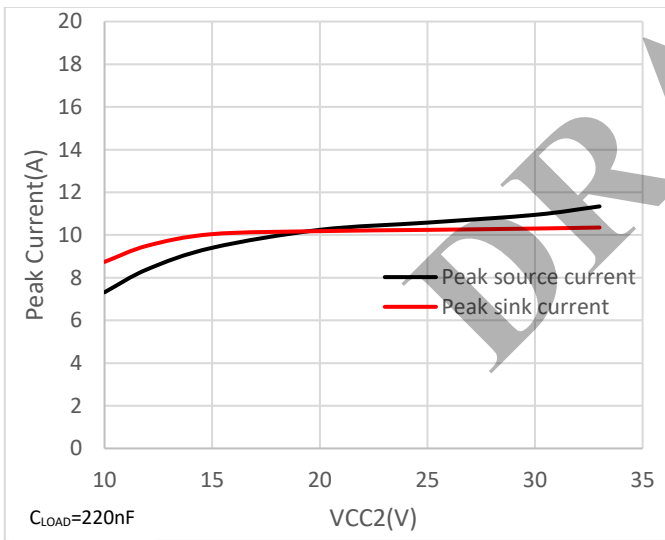


Figure6. Output High Drive Current vs VCC2

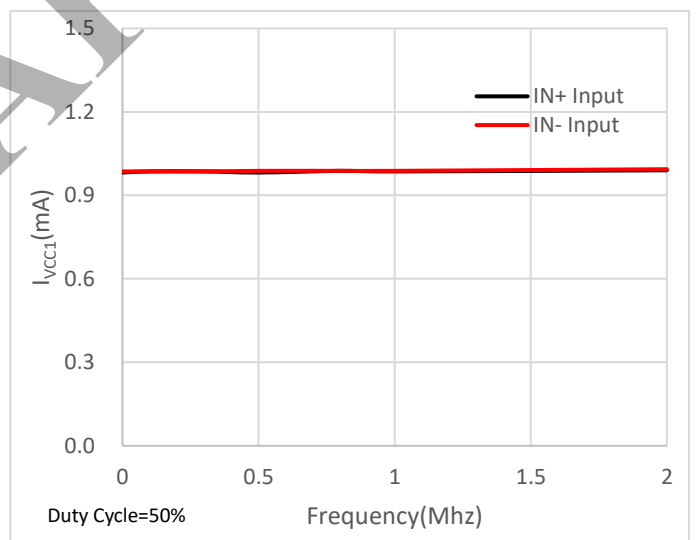


Figure7. I\_VCC1 Supply Current vs Input Frequency

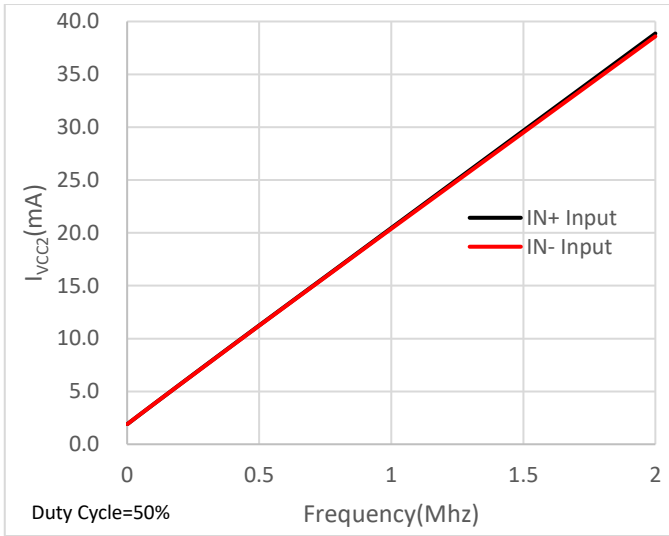


Figure 8.  $I_{VCC2}$  Supply Current vs Input Frequency

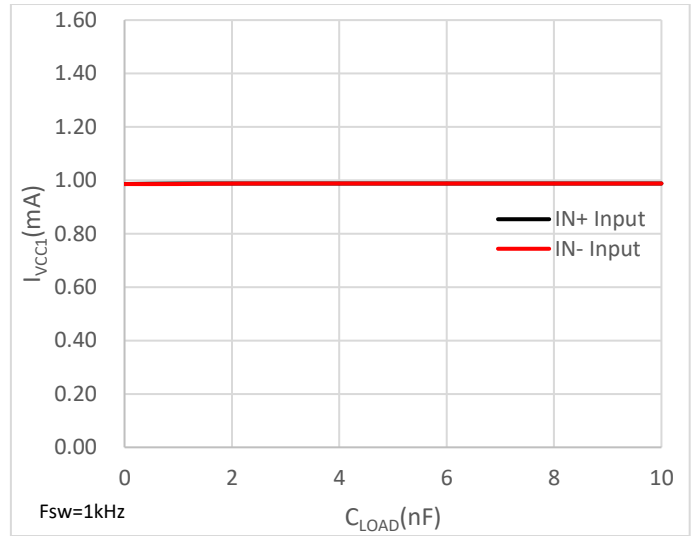


Figure 9.  $I_{VCC1}$  Supply Current vs Load Capacitance

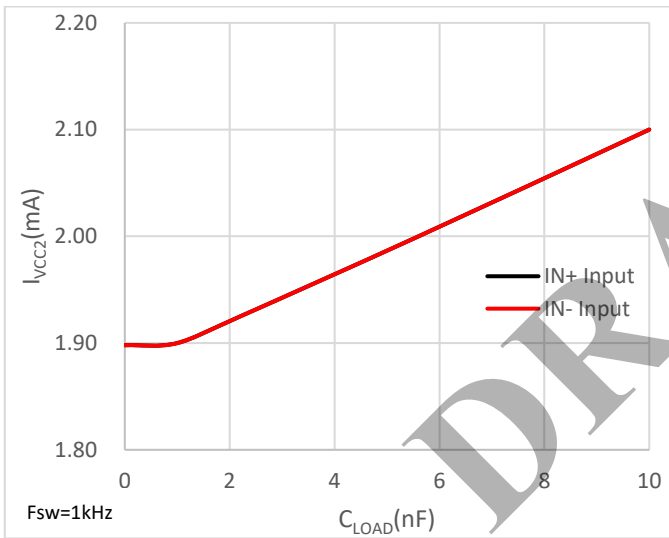


Figure 10.  $I_{VCC2}$  Supply Current vs Load Capacitance

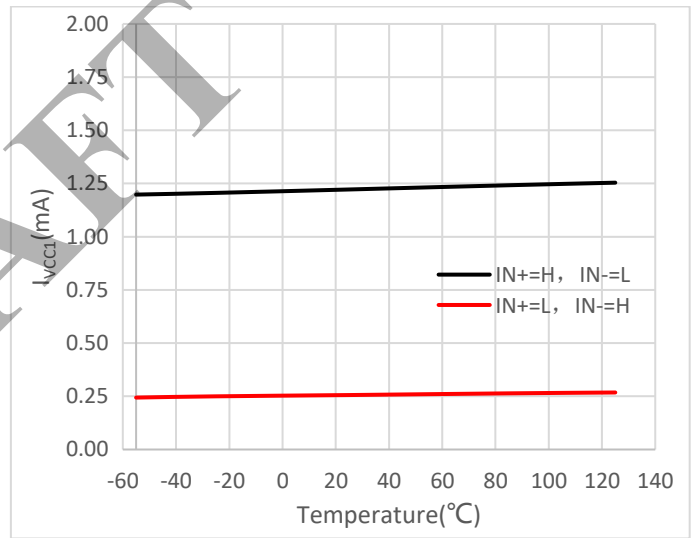


Figure 11.  $I_{VCC1}$  Supply Current vs Ambient Temperature

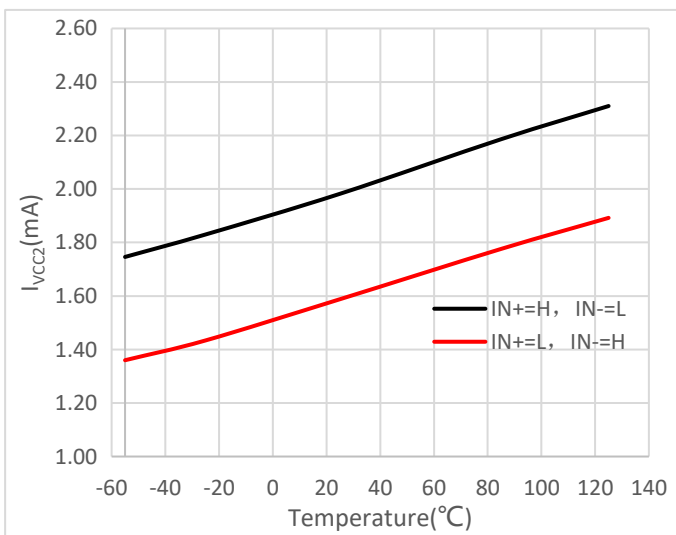


Figure 12.  $I_{VCC2}$  Supply Current vs Ambient Temperature

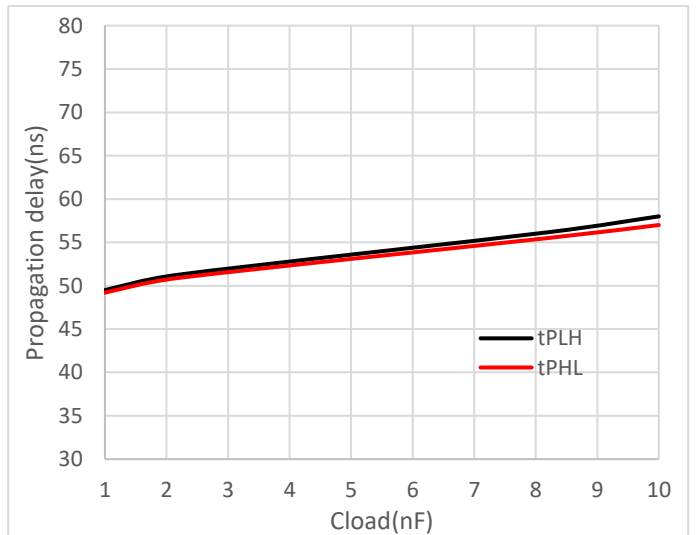


Figure 13. Propagation Delay vs Load Capacitance

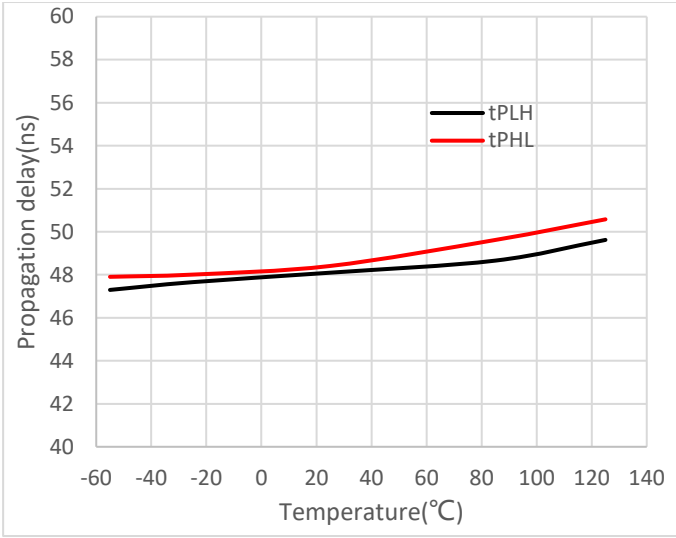


Figure14. Propagation Delay vs Ambient Temperature

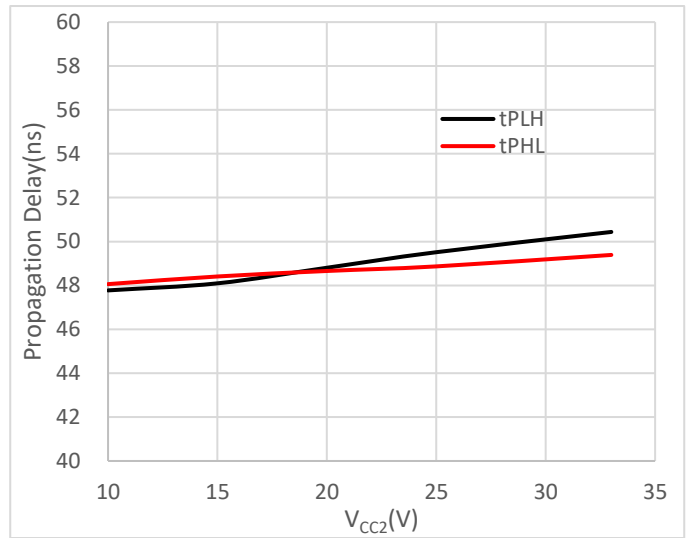


Figure15. Propagation Delay vs  $V_{CC2}$

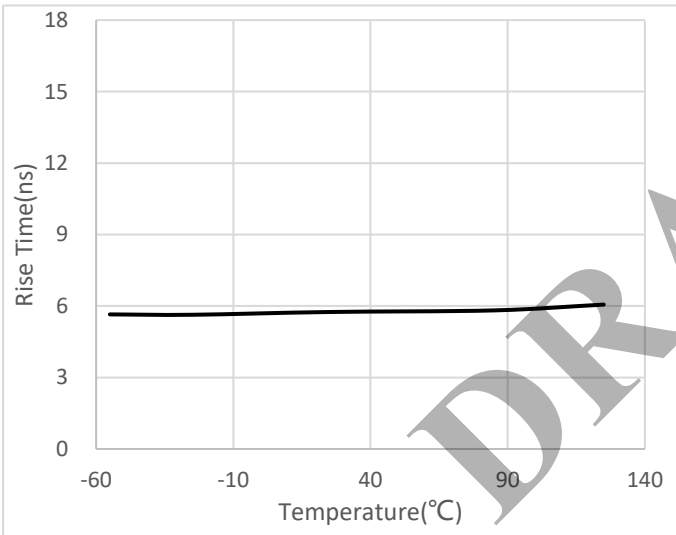


Figure16. Rise Time vs Ambient Temperature

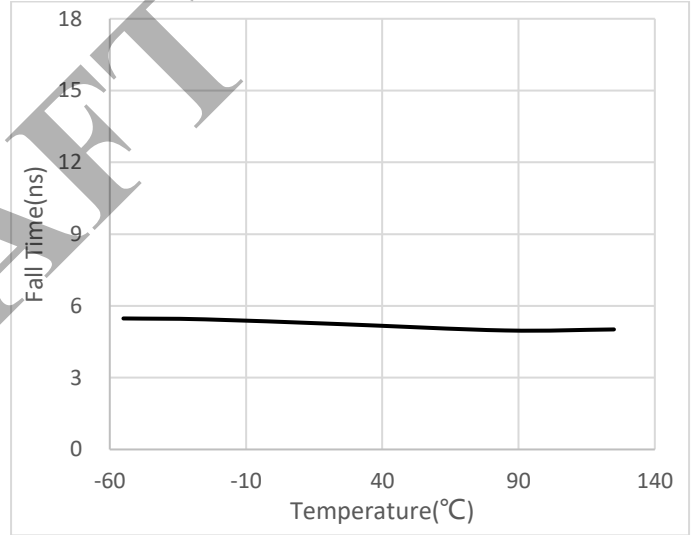


Figure17. Fall Time vs Ambient Temperature

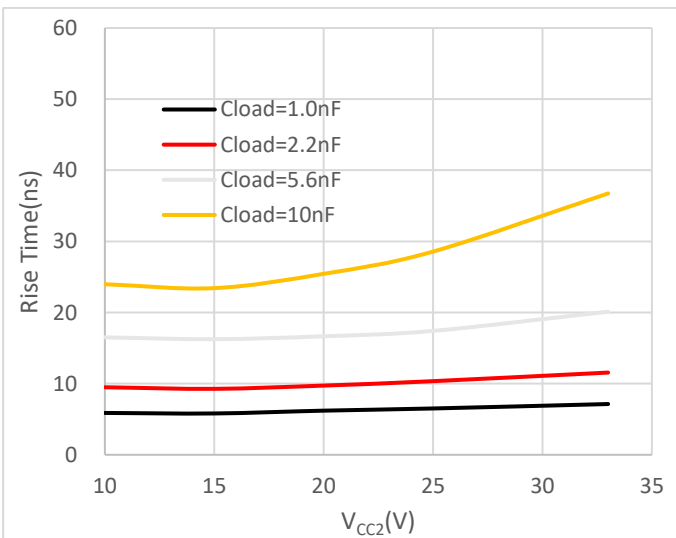


Figure18. Rise Time vs  $C_{LOAD}$  and  $V_{CC2}$

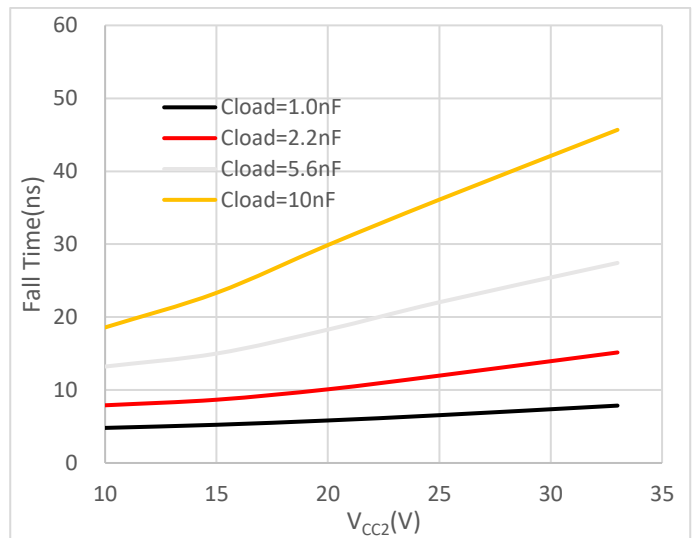


Figure19. Fall Time vs  $C_{LOAD}$  and  $V_{CC2}$



TIMING TEST INFORMATION

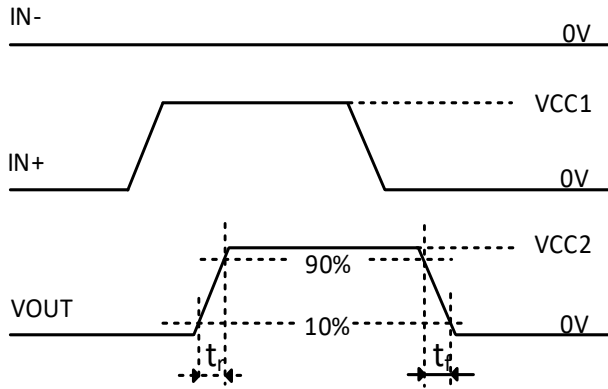


Figure20. Transition time waveform measurement

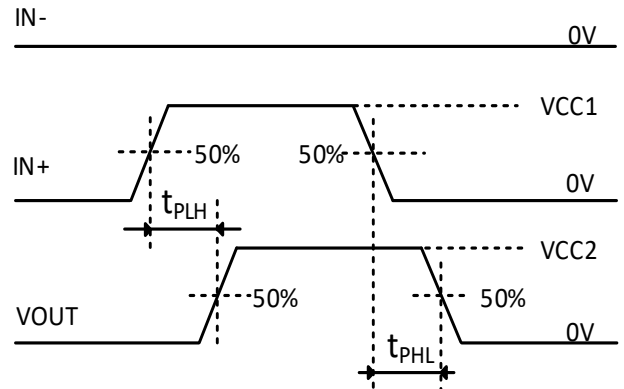


Figure21. Propagation delay time waveform measurement

DRAFT

## APPLICATIONS INFORMATION

### Typical Application

The circuit figure below is a typical application for driving IGBTs.

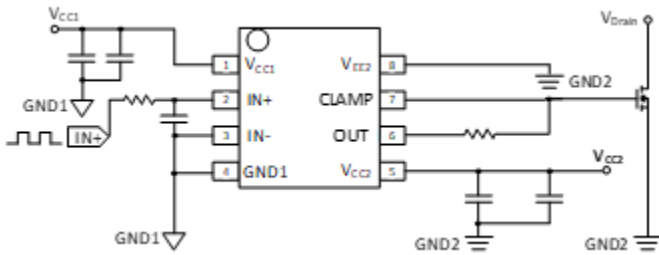


Figure 22A. typical application circuit-IN+ Input

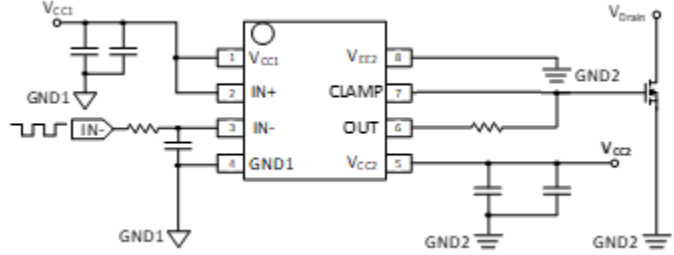


Figure 22B. typical application circuit-IN- Input

### PCB LAYOUT

The low-ESR ceramic bypass capacitors must be connected between  $V_{CC1}$  and  $GND1$  and between  $V_{CC2}$  and  $V_{EE2}$ . The bypass capacitors are placed on the PCB as close to the isolator device as possible. The recommended bypass capacitor value between  $V_{CC1}$  and  $GND1$  is between  $0.1 \mu\text{F}$  and  $1 \mu\text{F}$ , bypass capacitor value between  $V_{CC2}$  and  $V_{EE2}$  is between  $1 \mu\text{F}$  and  $10 \mu\text{F}$ . Additional  $100\text{nF}$  capacitor in parallel with the isolator device bypass capacitor is recommended for high frequency filtering.

To avoid large negative transients on the  $V_{EE2}$  pins connected to the switch node, the parasitic inductances between the source of the top transistor and the source of the bottom transistor must be minimized.

Limiting the high peak currents that charge and discharge the transistor gates to a minimal physical area is essential. This limitation decreases the loop inductance and minimizes noise on the gate terminals of the transistors. The gate driver must be placed as close as possible to the transistors.

To minimize the impedance of the signal return loop, keep the solid ground plane directly underneath the high-speed signal path, the closer the better. The return path will couple between the nearest ground plane to the signal path. Keep suitable trace width for controlled impedance transmission lines interconnect.

Avoid reducing the isolation capability, keep the space underneath the isolator device free from metal such as planes, pads, traces and vias.



Figure 23. Layout example

### CMTI MEASUREMENT

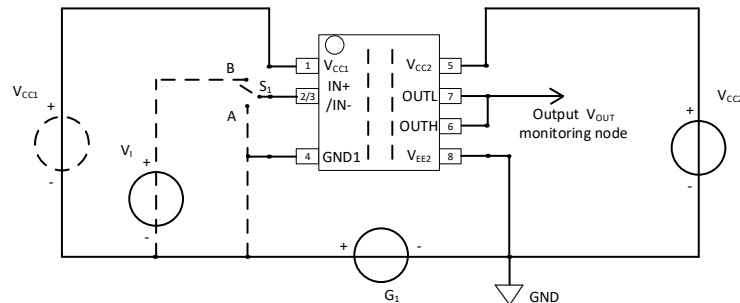


Figure 24. Common-mode transient immunity (CMTI) measurement

To measure the Common-Mode Transient Immunity (CMTI) of Pai8211C-SR isolated gate driver under specified common-mode pulse magnitude ( $V_{CM}$ ) and specified slew rate of the common-mode pulse ( $dV_{CM}/dt$ ) and other specified test or ambient conditions, The common-mode pulse generator ( $G_1$ ) will be capable of providing fast rise and fall pulses of specified magnitude and duration of the common-mode pulse ( $V_{CM}$ ), such that the maximum common-mode slew rates ( $dV_{CM}/dt$ ) can be applied to Pai8211C-SR isolator coupler under measurement. The common-mode pulse is applied between one side ground  $GND1$  and the other side ground  $V_{EE2}$  of Pai8211C-SR isolated gate driver, with positive transients as well as negative transients.

OUTLINE DIMENSIONS

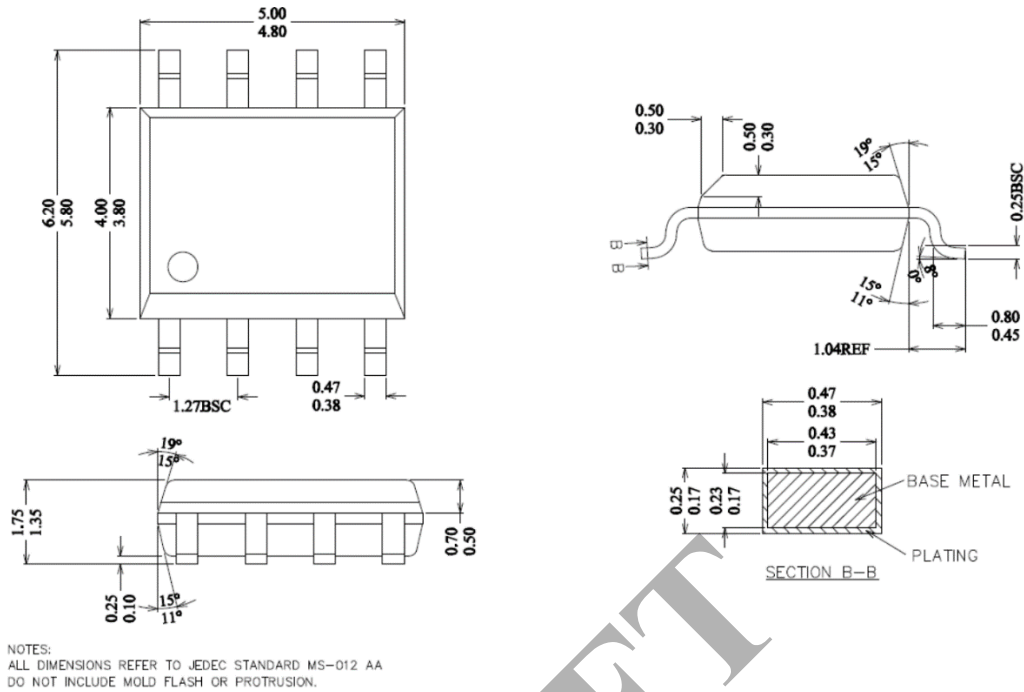


Figure25. 8-Lead Narrow Body SOIC [NB SOIC-8] Outline Package-dimension unit(mm)

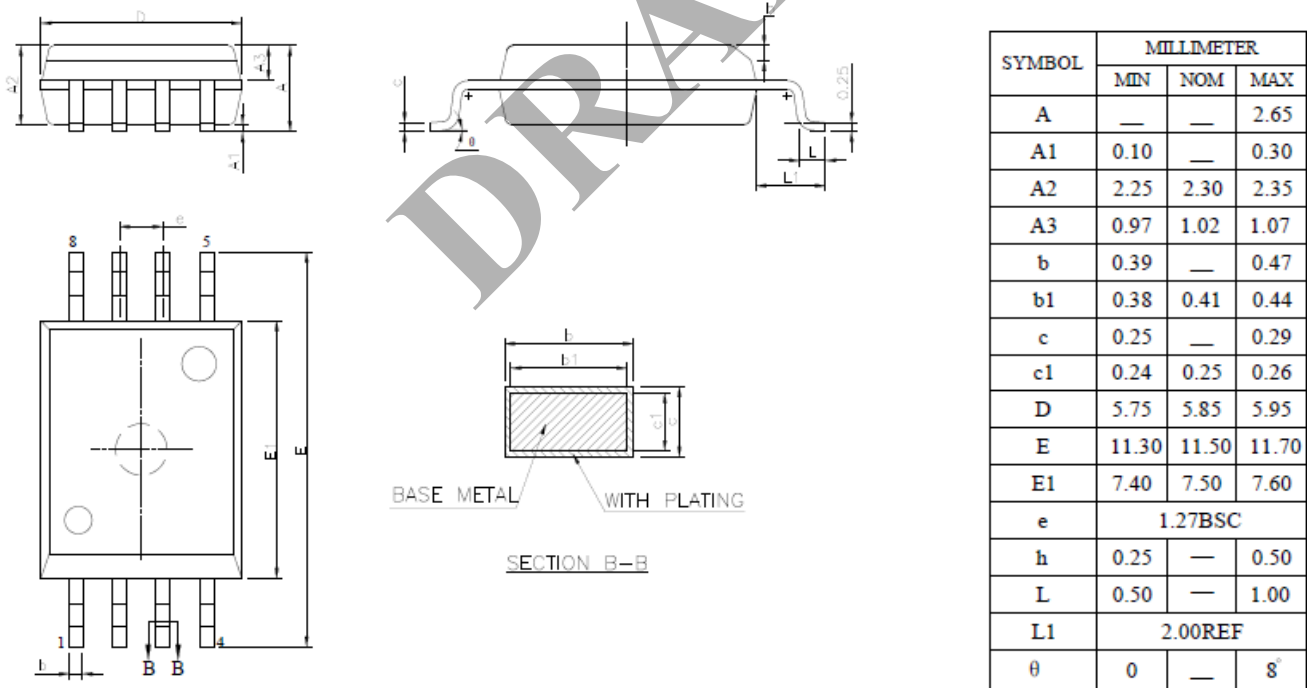


Figure26. 8-Lead Wide Body SOIC [WB SOIC-8] Outline Package-dimension unit(mm)

## LAND PATTERNS

### 8-Lead Narrow Body SOIC [NB SOIC-8]

The figure below illustrates the recommended land pattern details for the Pai8211C-SR in an 8-pin narrow-body SOIC. The table below lists the values for the dimensions shown in the illustration.

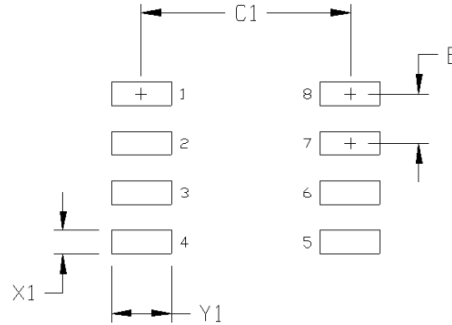


Figure27. 8-Lead Narrow Body SOIC [NB SOIC-8] Land Pattern

Table13. NB SOIC-8 Land Pattern Dimensions

Dimension	Feature	Parameter	Unit
C1	Pad column spacing	5.40	mm
E	Pad row pitch	1.27	mm
X1	Pad width	0.60	mm
Y1	Pad length	1.55	mm

- (1) This land pattern design is based on IPC -7351.
- (2) All feature sizes shown are at maximum material condition and a card fabrication tolerance of 0.05 mm is assumed.

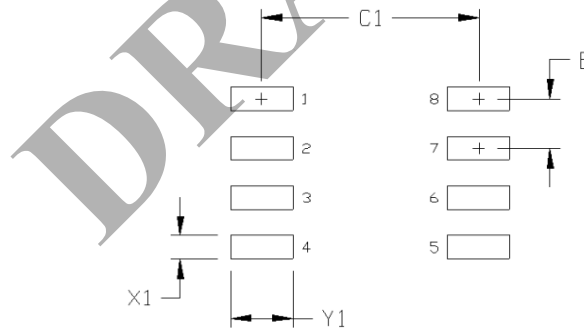


Figure28. 8-Lead Wide Body SOIC [WB SOIC-8] Land Pattern

Table14. 8-Lead Wide Body SOIC Land Pattern Dimensions

Dimension	Feature	Parameter	Unit
C1	Pad column spacing	9.75	mm
E	Pad row pitch	1.27	mm
X1	Pad width	0.60	mm
Y1	Pad length	2.00	mm

Note:

- (1) This land pattern design is based on IPC -7351.
- (2) All feature sizes shown are at maximum material condition and a card fabrication tolerance of 0.05 mm is assumed.

REEL INFORMATION

8-Lead Narrow Body SOIC [NB SOIC-8]

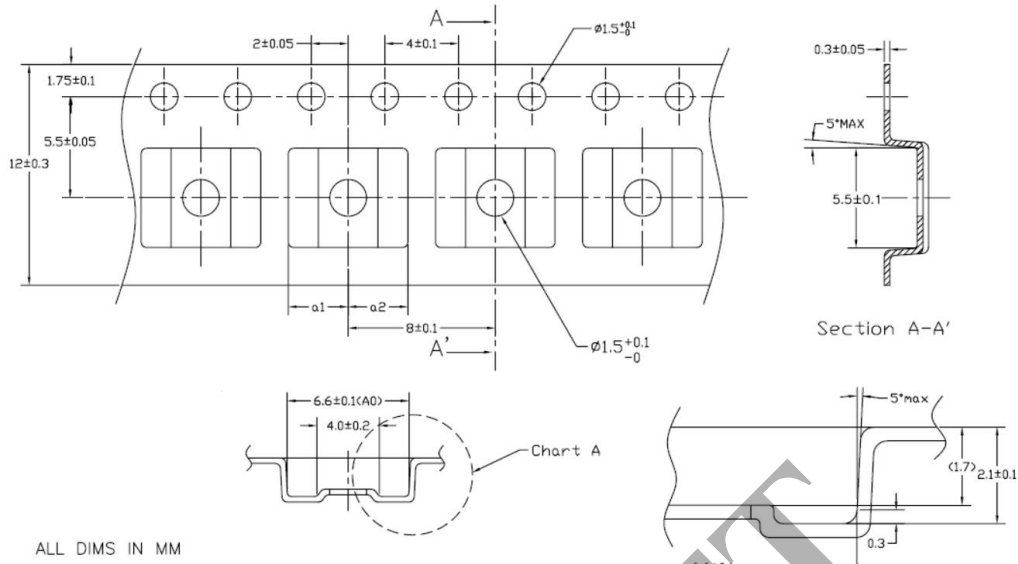
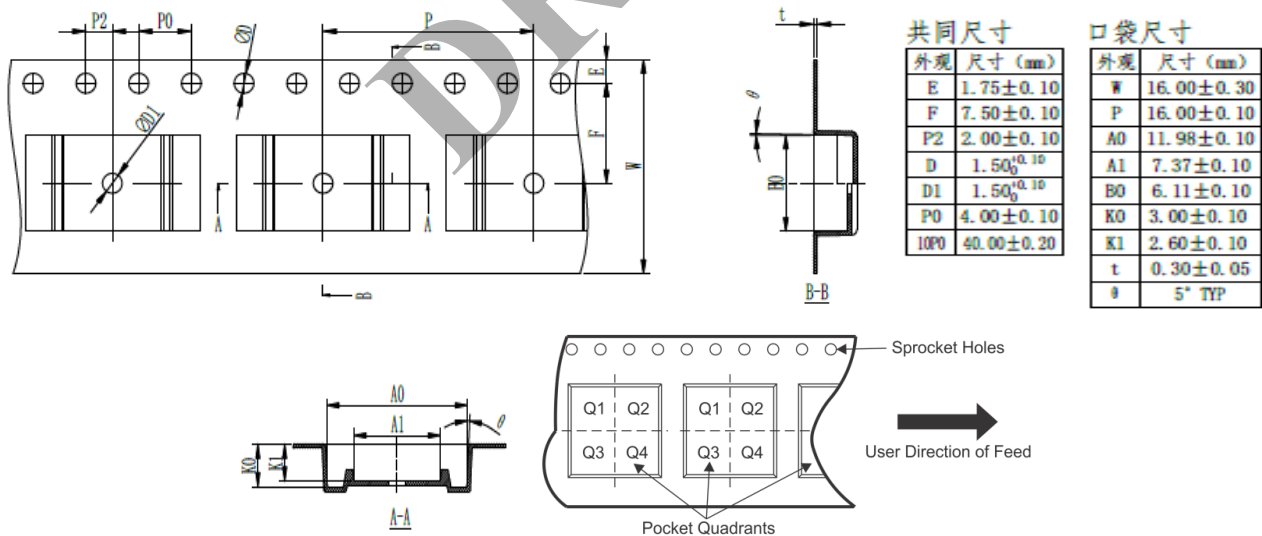


Figure29. 8-Lead Narrow Body SOIC [NB SOIC-8] Reel Information—dimension unit(mm)

8-Lead Wide Body SOIC [WB SOIC-8]



Note: The Pin 1of the chip is in the quadrant Q1

Figure30. 8-Lead Wide Body SOIC [WB SOIC-8] Reel Information—dimension unit(mm)

## ORDERING GUIDE

Table15. Ordering Guide

Model Name	Temperature Range	UVLO (V)	Output Current (A)	Isolation Rating (kV rms)	AEC-Q100	Package	MSL Peak Temp <sup>1</sup>	MOQ/Quantity per reel <sup>2</sup>
Pai8211C-SR	-40 to 125°C	12	6	3.75	NO	NB SOIC-8	Level-2-260C-1 YEAR (Pending)	4000
Pai8211CQ-SR (Pending)	-40 to 125°C	12	6	3.75	YES	NB SOIC-8	Level-2-260C-1 YEAR (Pending)	4000
Pai8211C-W5R	-40 to 125°C	12	6	5.0	NO	WB SOIC-8	Level-2-260C-1 YEAR (Pending)	1000
Pai8211CQ-W5R (Pending)	-40 to 125°C	12	6	5.0	YES	WB SOIC-8	Level-2-260C-1 YEAR (Pending)	1000

- (1) MSL, Peak Temp. - The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.  
 (2) MOQ, minimum ordering quantity.

DRAFT

---

## REVISION HISTORY

Revision	Date	Page	Change Record
0.1	2021/08/12	All	Initial version

DRAFT

单击下面可查看定价，库存，交付和生命周期等信息

[>>2pai\\_semi\(荣湃半导体\)](#)