

2-Channel Reinforced High-Performance Digital Isolator

Features

- Data Rate: up to 100 Mbps
- Wide Supply Range: 2.25 V to 5.5 V
- Wide Temperature Range: -40°C to $+125^{\circ}\text{C}$
- Low Power Consumption: Typical 1.8 mA per Channel at 1 Mbps
- Low Propagation Delay: Typical 16 ns at 5 V Supply
- CMTI: Typical $\pm 200\text{ kV}/\mu\text{s}$ (Static), $\pm 150\text{ kV}/\mu\text{s}$ (Dynamic)
- Standout Transient Isolation Voltage: 12000 V_{PK} for WWSOP, 9191 V_{PK} for WSOP (100% Production)
- Standout Surge Immunity: 12000 V_{PK}
- Over 30-year Projected Lifetime under Working Voltage of 2000 V_{RMS} for WWSOP, 1500 V_{RMS} for WSOP
- Wide Creepage and Clearance: Nominal 16.0 mm for WWSOP, 9.5 mm for WSOP, 5.2 mm for SOP
- Robust Electromagnetic Compatibility (EMC)
- Low Emissions, CISPR32 Class B Qualified
- System-level ESD and EFT Immunity
- Default Output High (TPT762x) and Low (TPT762xF)
- Wide Package Range: SOP8, WSOP8, WWSOP8, WSOP16, WWSOP16
- Safety-related Certifications:
 - Reinforced Isolation according to DIN VDE V 0884-17 (IEC 60747-17)
 - Isolation for 1 Minute per UL 1577: 8000 V_{RMS} (WWSOP), 6500 V_{RMS} (WSOP), 3750 V_{RMS} (SOP)
 - CQC Certification per GB 4943.1
 - CSA, TUV, and CB Certifications

Applications

- Industrial Automation
- Motor Control
- Power Supplies
- Solar Inverters
- Isolated Interface and General-purpose Isolation

Description

The TPT762x devices are high-performance, 2-channel digital isolators with 8000- V_{RMS} (WWSOP), 6500- V_{RMS} (WSOP), and 3750- V_{RMS} (SOP) isolation ratings per UL 1577. These devices are also certified by VDE, UL, CSA, TUV, CQC, and CB.

The TPT762x devices provide high reliability and high performance at low power consumption with isolating digital input and output. Each isolation signal channel is separated by a double capacitive silicon dioxide insulation barrier. The TPT7620 device has two channels in forward direction. The TPT7621 device has one channel in forward direction and one channel in reverse direction. The TPT7622 device has one channel in forward direction and one channel in reverse direction. In the event of input power or signal loss, the default output is low for devices with the suffix F and high for devices without the suffix F.

The common mode transient immunity (CMTI) and electromagnetic compatibility of the TPT762x devices have been significantly enhanced through innovative circuit design and optimized structure.

The TPT762x family is available in SOP8, WSOP8, WWSOP8, WSOP16, and WWSOP16 packages, and is characterized from -40°C to $+125^{\circ}\text{C}$.

Part Number	Package ⁽¹⁾	Body Size (Nominal)
TPT762x TPT762xF	SOP8	4.90 mm × 3.90 mm
	WSOP8	5.85 mm × 7.50 mm
	WSOP16	10.30 mm × 7.50 mm
	WWSOP8	6.40 mm × 14.00 mm
	WWSOP16	10.30 mm × 14.00 mm

(1) For all available packages, see Order Information at the end of the datasheet.

Functional Block Diagram

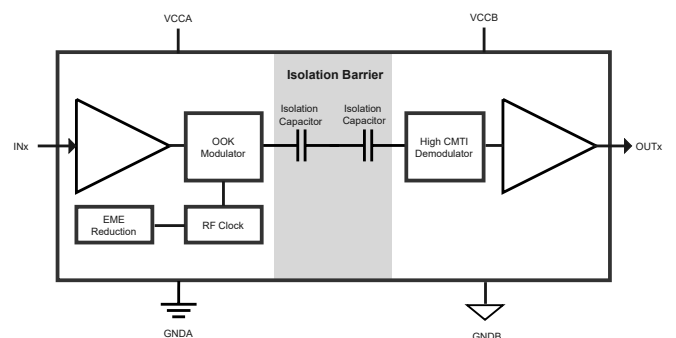


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Revision History

Date	Revision	Notes
2025-08-10	Rev.A.0	Released version.

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Pin Configuration and Functions

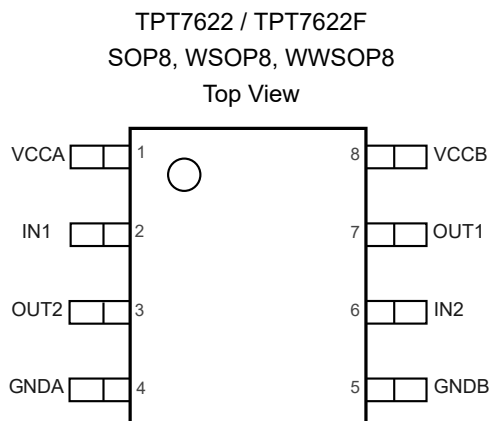
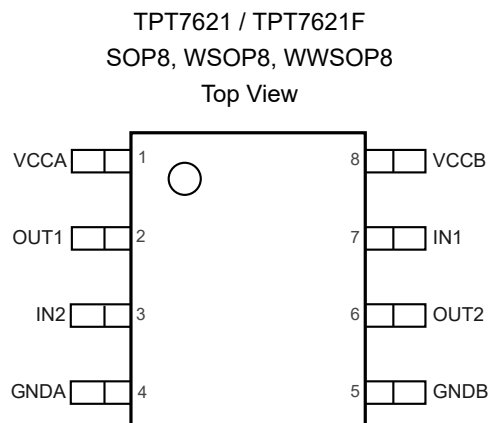
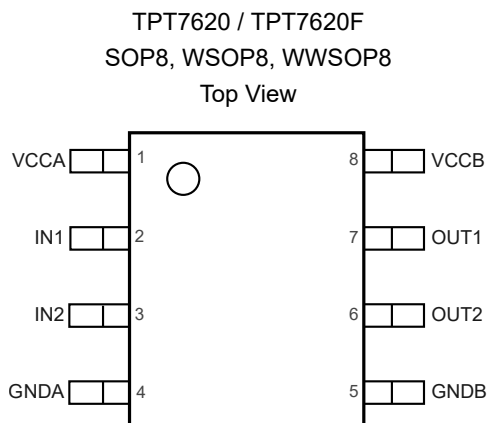


Table 1. Pin Functions: TPT762x -- 8 Pins

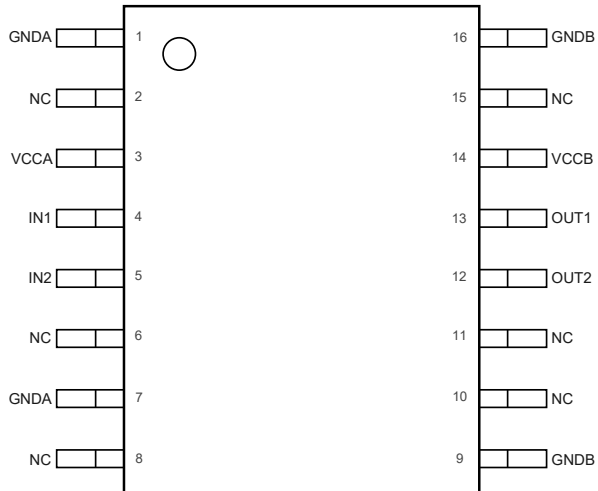
Pin			Name	I/O	Description
SOP8, WSOP8, WWSOP8					
TPT7620 TPT7620F	TPT7621 TPT7621F	TPT7622 TPT7622F			
1	1	1	VCCA	–	Power supply, VCCA
2	7	2	IN1	I	Input, channel 1
3	3	6	IN2	I	Input, channel 2
4	4	4	GNDA	-	Ground connection for VCCA
5	5	5	GNDB	-	Ground connection for VCCB
6	6	3	OUT2	O	Output, channel 2
7	2	7	OUT1	O	Output, channel 1
8	8	8	VCCB	–	Power supply, VCCB

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TPT7620 / TPT7620F

WSOP16

Top View



TPT7620/TPT7620F

WWSOP16

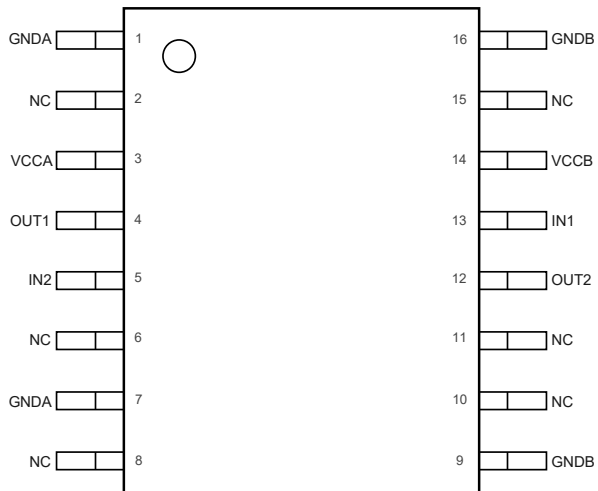
Top View



TPT7621 / TPT7621F

WSOP16

Top View



TPT7621/TPT7621F

WWSOP16

Top View

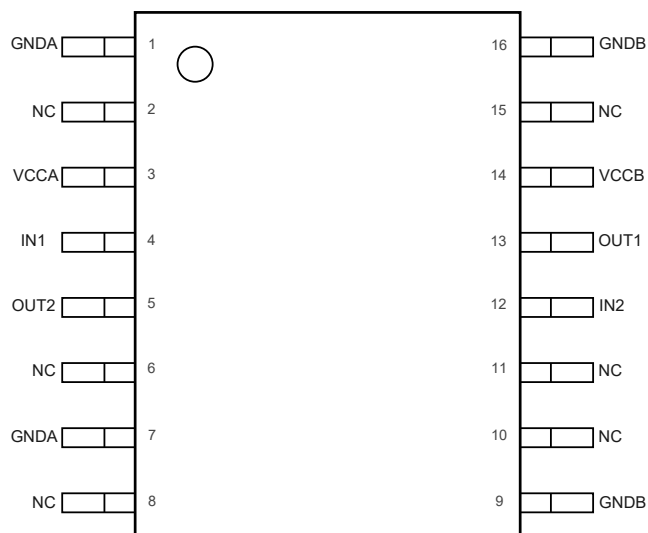


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TPT7622 / TPT7622F

WSOP16

Top View



TPT7622/TPT7622F

WWSOP16

Top View


Table 2. Pin Functions: TPT762x -- 16 Pins

Pin						Name	I/O	Description
WSOP16			WWSOP16					
TPT7620 TPT7620F	TPT7621 TPT7621F	TPT7622 TPT7622F	TPT7620 TPT7620F	TPT7621 TPT7621F	TPT7622 TPT7622F			
3	3	3	1	1	1	VCCA	–	Power supply, VCCA
4	13	4	5	12	5	IN1	I	Input, channel 1
5	5	12	6	6	11	IN2	I	Input, channel 2
1, 7	1, 7	1, 7	2, 8	2, 8	2, 8	GNDA	-	Ground connection for VCCA
9, 16	9, 16	9, 16	9, 15	9, 15	9, 15	GNDB	-	Ground connection for VCCB
12	12	5	11	11	6	OUT2	O	Output, channel 2
13	4	13	12	5	12	OUT1	O	Output, channel 1
14	14	14	16	16	16	VCCB	–	Power supply, VCCB
2, 6, 8, 10, 11, 15	2, 6, 8, 10, 11, 15	2, 6, 8, 10, 11, 15	3, 4, 7, 10, 13, 14	3, 4, 7, 10, 13, 14	3, 4, 7, 10, 13, 14	NC	-	Not Connected

Detailed Description

Overview

The TPT762x device utilizes an ON-OFF Keying (OOK) modulation circuit to transmit the digital data through the isolation barrier. The transmitter sends a HF carrier to represent digital state One and sends no signal to represent the digital state Zero. Once the modulated signal passes through the barrier, the receiver demodulates the signal following the process of signal conditioning and brings the output via a buffer stage. The device also utilizes advanced circuit design to maximize the CMTI performance and minimize the radiated emissions due to the HF carrier and IO buffer switching. The block diagram below shows a functional block diagram of a typical channel.

Functional Block Diagram

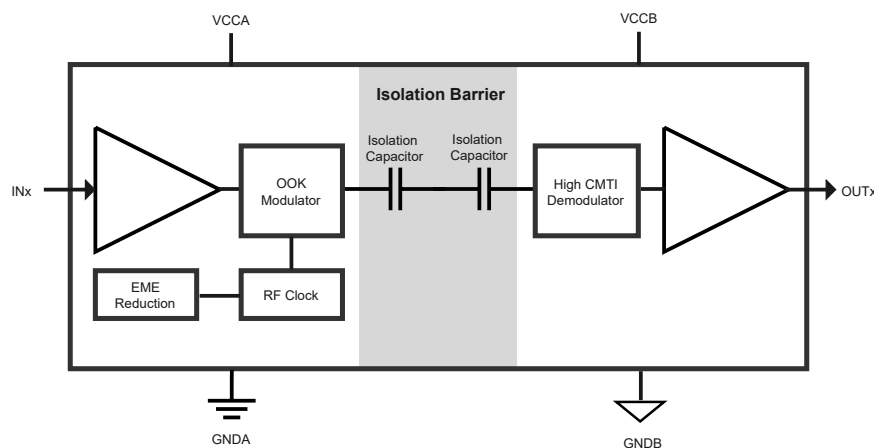


Figure 1. Block Diagram of Digital Capacitive Isolator

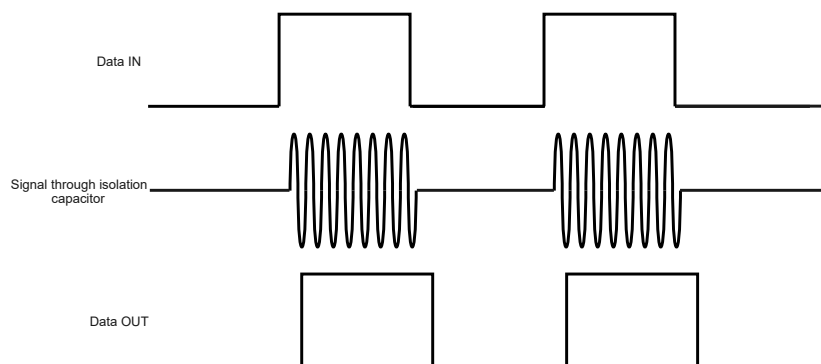


Figure 2. On-off Keying (OOK) Based Modulation Scheme

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Feature Description

The TPT762x device is available in three channel configurations and two default output state options to enable a variety of application uses. The table below lists the device features of the TPT762x device.

Part number	Max data rate	Channel direction	Default output state	Package	Rating isolation
TPT7620	100 Mbps	2 forward, 0 reverse	High	SOP8	3750 V _{RMS} / 5300 V _{PK}
				WSOP8	6500 V _{RMS} / 9191 V _{PK}
				WWSOP8	8000 V _{RMS} / 12000 V _{PK}
				WSOP16	6500 V _{RMS} / 9191 V _{PK}
				WWSOP16	8000 V _{RMS} / 12000 V _{PK}
TPT7620F	100 Mbps	2 forward, 0 reverse	Low	SOP8	3750 V _{RMS} / 5300 V _{PK}
				WSOP8	6500 V _{RMS} / 9191 V _{PK}
				WWSOP8	8000 V _{RMS} / 12000 V _{PK}
				WSOP16	6500 V _{RMS} / 9191 V _{PK}
				WWSOP16	8000 V _{RMS} / 12000 V _{PK}
TPT7621	100 Mbps	1 forward, 1 reverse	High	SOP8	3750 V _{RMS} / 5300 V _{PK}
				WSOP8	6500 V _{RMS} / 9191 V _{PK}
				WWSOP8	8000 V _{RMS} / 12000 V _{PK}
				WSOP16	6500 V _{RMS} / 9191 V _{PK}
				WWSOP16	8000 V _{RMS} / 12000 V _{PK}
TPT7621F	100 Mbps	1 forward, 1 reverse	Low	SOP8	3750 V _{RMS} / 5300 V _{PK}
				WSOP8	6500 V _{RMS} / 9191 V _{PK}
				WWSOP8	8000 V _{RMS} / 12000 V _{PK}
				WSOP16	6500 V _{RMS} / 9191 V _{PK}
				WWSOP16	8000 V _{RMS} / 12000 V _{PK}
TPT7622	100 Mbps	0 forward, 2 reverse	High	SOP8	3750 V _{RMS} / 5300 V _{PK}
				WSOP8	6500 V _{RMS} / 9191 V _{PK}
				WWSOP8	8000 V _{RMS} / 12000 V _{PK}
				WSOP16	6500 V _{RMS} / 9191 V _{PK}
				WWSOP16	8000 V _{RMS} / 12000 V _{PK}
TPT7622F	100 Mbps	0 forward, 2 reverse	Low	SOP8	3750 V _{RMS} / 5300 V _{PK}
				WSOP8	6500 V _{RMS} / 9191 V _{PK}
				WWSOP8	8000 V _{RMS} / 12000 V _{PK}
				WSOP16	6500 V _{RMS} / 9191 V _{PK}
				WWSOP16	8000 V _{RMS} / 12000 V _{PK}

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Device Functional Modes

The table below lists the functional modes for the TPT762x device.

V_{CCI}	V_{CCO}	Input (INx)	Output (OUTx)	Comments
Power up	Power up	High	High	Normal Operation.
		Low	Low	
		Open	Default	Default mode. The default is High for TPT762x and Low for TPT762xF.
Power down	Power up	X	Default	Default mode. When V_{CCi} is unpowered, the default is High for TPT762x and Low for TPT762xF.
X	Power down	X	Undetermined	When V_{CCO} is unpowered, a channel output is undetermined.

(1) V_{CCi} = Input-side V_{CCA} ; V_{CCO} = Output-side V_{CCB} ; Power up means $V_{CC} \geq 2.25$ V; Power down means $V_{CC} \leq 1.7$ V; X = Irrelevant; Z = High impedance

(2) The outputs are in the undetermined state when 1.7 V < V_{CCi} & $V_{CCO} < 2.25$ V.

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Specifications

Absolute Maximum Ratings ⁽¹⁾

Parameter		Min	Max	Unit
V _{CC}	Supply Voltage, V _{CCA} , V _{CCB}	-0.5	6	V
V _{IO}	Voltage at IN _x , OUT _x	-0.5	V _{CC} + 0.5	V
I _O	Output Current	-15	15	mA
T _J	Operating Virtual Junction Temperature	-	150	°C
T _{stg}	Storage Temperature	-65	150	°C

(1) Stresses beyond those listed under Absolute Maximum Ratings may cause permanent damage to the device. Exposure to any Absolute Maximum Rating condition for extended periods may affect device reliability and lifetime.

ESD, Electrostatic Discharge Protection

Parameter		Condition	Value	Unit
HBM	HBM, per ANSI/ ESDA/ JEDEC JS-001/ ANSI/ ESD STM5.5.1 ⁽¹⁾	All Pins	±8	kV
CDM	CDM, per ANSI/ ESDA/ JEDEC JS-002 ⁽²⁾	All Pins	±2	kV
LU	Latch-up, per JESD78	All Pins	±600	mA

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

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

Recommended Operating Conditions

Parameter			Min	Typ	Max	Unit
V _{CCX}	Supply Voltage, V _{CCA} , V _{CCB} ⁽¹⁾		2.25	-	5.5	V
V _{CC} (UVLO+)	UVLO threshold when the supply voltage is rising ⁽²⁾		-	2	2.25	V
V _{CC} (UVLO-)	UVLO threshold when the supply voltage is falling ⁽²⁾		1.7	1.85	-	V
V _{HYS} (UVLO)	Supply Voltage UVLO Hysteresis		60	150	-	mV
I _{OH}	High-level Output Current	V _{CCB} = 5 V	−4	-	-	mA
		V _{CCB} = 3.3 V	−2	-	-	mA
		V _{CCB} = 2.5 V	−1	-	-	mA
I _{OL}	High-level Output Current	V _{CCB} = 5 V	-	-	4	mA
		V _{CCB} = 3.3 V	-	-	2	mA
		V _{CCB} = 2.5 V	-	-	1	mA
V _{IH}	High-level Input Voltage (Data Input)		0.7 * V _{CC}	-	V _{CC}	V
V _{IL}	Low-level Input Voltage (Data Input)		0	-	0.3 * V _{CC}	V

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Parameter		Min	Typ	Max	Unit
f_{data}	Data Rate ⁽³⁾	0	-	100	Mbps
T_A	Operating Ambient Temperature	-40	25	125	°C

(1) V_{CCA} is input side V_{CC} ; V_{CCB} is output side V_{CC} ;

(2) $V_{CC}(UVLO+)$, $V_{CC}(UVLO+)$, $V_{HYS}(UVLO)$ are same to V_{CCA} and V_{CCB} ;

(3) 100 Mbps is the data rate tested in lab, although higher data rates are possible.

Thermal Information

Package Type	θ_{JA}	θ_{JB}	θ_{JC}	Unit
SOP8	91.59	62.29	35.20	°C/W
WSOP8	79.20	58.06	28.75	°C/W
WWSOP8	65.70	45.98	23.55	°C/W
WSOP16	62.47	44.52	25.72	°C/W
WWSOP16	52.85	37.60	25.38	°C/W

Insulation Specifications

Parameter		Test Conditions	Value					Unit
			SOP8	WSOP8	WWSO P8	WSOP1 6	WWSO P16	
IEC 60664-1								
CLR	External clearance ⁽¹⁾	Shortest terminal-to-terminal distance through air, nominal	5.2	9.5	16.0	9.5	16.0	mm
CPG	External creepage ⁽¹⁾	Shortest terminal-to-terminal distance across the package surface, nominal	5.2	9.5	16.0	9.5	16.0	mm
DTI	Distance through the insulation	Minimum internal gap (internal clearance)	> 22	> 22	> 22	> 22	> 22	μm
DTC	Distance through the molding compound	Minimum internal distance across the conductors inside the package	0.45	0.8	0.8	0.8	0.8	mm
CTI	Comparative tracking index	IEC 60112	> 600	> 600	> 600	> 600	> 600	V
	Material group	According to IEC 60664-1	I	I	I	I	I	
	Overvoltage category per IEC 60664-1	Rated mains voltage ≤ 150 V _{RMS}	I-IV	I-IV	I-IV	I-IV	I-IV	
		Rated mains voltage ≤ 300 V _{RMS}	I-III	I-IV	I-IV	I-IV	I-IV	
		Rated mains voltage ≤ 600 V _{RMS}	I-II	I-IV	I-IV	I-IV	I-IV	
		Rated mains voltage ≤ 1000 V _{RMS}	I	I-III	I-IV	I-III	I-IV	

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Parameter		Test Conditions	Value					Unit
			SOP8	WSOP8	WWSO P8	WSOP1 6	WWSO P16	
DIN EN IEC 60747-17 (VDE 0884-17) ⁽²⁾								
V _{IORM}	Maximum repetitive peak isolation voltage	AC voltage (bipolar)	707	2121	2828	2121	2828	V _{PK}
V _{IOWM}	Maximum working isolation voltage	AC voltage; Time dependent dielectric breakdown (TDDB) Test	500	1500	2000	1500	2000	V _{RMS}
		DC voltage	707	2121	2828	2121	2828	V _{DC}
V _{IOTM}	Maximum transient isolation voltage	V _{TEST} = V _{IOTM} , t = 60 s (qualification); V _{TEST} = 1.2 × V _{IOTM} , t = 1 s (100% production)	5300	9191	12000	9191	12000	V _{PK}
V _{IMP}	Maximum impulse voltage ⁽³⁾	Tested in air, 1.2/50 μs waveform per IEC 62368-1	8000	9000	9000	9000	9000	V _{PK}
V _{IOSM}	Maximum surge isolation voltage ⁽⁴⁾	V _{IOSM} ≥ 1.3 × V _{IMP} ; tested in oil (qualification test), 1.2/50 μs waveform per IEC 62368-1	12000	12000	12000	12000	12000	V _{PK}
q _{pd}	Apparent charge ⁽⁵⁾	Method a, After input-output safety test subgroup 2/3, V _{ini} = V _{IOTM} , t _{ini} = 60 s; V _{pd(m)} = 1.2 × V _{IORM} , t _m = 10 s	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	pC
		Method a, After environmental tests subgroup 1, V _{ini} = V _{IOTM} , t _{ini} = 60 s; V _{pd (m)} = 1.6 × V _{IORM} , t _m = 10 s	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	
		Method b: At routine test (100% production); V _{ini} = 1.2 × V _{IOTM} , t _{ini} = 1 s; V _{pd (m)} = 1.875 × V _{IORM} , t _m = 1 s (method b1) or V _{pd (m)} = V _{ini} , t _m = t _{ini} (method b2)	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	
C _{IO}	Barrier capacitance, input to output ⁽⁶⁾	V _{IO} = 0.4 × sin (2πft), f = 1 MHz	~0.5	~0.5	~0.5	~0.5	~0.5	pF
R _{IO}	Isolation resistance, input to output ⁽⁶⁾	V _{IO} = 500 V, T _A = 25°C	> 10 ¹²	> 10 ¹²	> 10 ¹²	> 10 ¹²	> 10 ¹²	Ω
		V _{IO} = 500 V, 100°C ≤ T _A ≤ 125°C	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	Ω
		V _{IO} = 500 V at T _S = 150°C	> 10 ⁹	> 10 ⁹	> 10 ⁹	> 10 ⁹	> 10 ⁹	Ω
	Pollution degree		2	2	2	2	2	
	Climatic category		-40/125/21	-40/125/21	-40/125/21	-40/125/21	-40/125/21	
UL 1577								

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Parameter		Test Conditions	Value					Unit
			SOP8	WSOP8	WWSO P8	WSOP1 6	WWSO P16	
V_{ISO}	Withstand isolation voltage	$V_{TEST} = V_{ISO}$, $t = 60$ s (qualification); $V_{TEST} = 1.2 \times V_{ISO}$, $t = 1$ s (100% production)	3750	6500	8000	6500	8000	V_{RMS}

- (1) Creepage and clearance requirements should be applied according to the specific equipment isolation standards of an application. Care should be taken to maintain the creepage and clearance distance of a board design to ensure that the mounting pads of the isolator on the printed-circuit board do not reduce this distance. Creepage and clearance on a printed-circuit board become equal in certain cases. Techniques such as inserting grooves, ribs, or both on a printed circuit board are used to help increase these specifications.
- (2) This coupler is suitable for safe electrical insulation only within the safety ratings. Compliance with the safety ratings shall be ensured by means of suitable protective circuits.
- (3) Testing is carried out in air to determine the surge immunity of the package.
- (4) Testing is carried out in oil to determine the intrinsic surge immunity of the isolation barrier.
- (5) Apparent charge is electrical discharge caused by a partial discharge (pd).
- (6) All pins on each side of the barrier are tied together creating a two-pin device.

2-Channel Reinforced High-Performance Digital Isolator**Safety-Related Certifications**

VDE	UL	TUV	CQC	CSA	CB
Plan to certify according to DIN EN IEC 60747-17 (VDE 0884-17)	Plan to certify according to UL 1577 Component Recognition Program	Plan to certify according to EN 61010-1 and EN 62368-1	Plan to certify according to GB 4943.1	Plan to certify according to IEC 62368-1, IEC 61010-1 and IEC 60601	Plan to certify according to EN IEC 62368-1
Certificate planned	Certificate planned	Certificate planned	Certificate planned	Certificate planned	Certificate planned

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Safety Limiting Values

Safety limiting ⁽¹⁾ intends to minimize potential damage to the isolation barrier upon failure of input or output circuitry.

Parameter	Conditions	Min	Typ	Max	Unit
I_S	$R_{\theta JA} = 91.59\text{ }^{\circ}\text{C/W}$, $V_I = 5\text{ V}$, $T_J = 150\text{ }^{\circ}\text{C}$, $T_A = 25\text{ }^{\circ}\text{C}$ (SOP8)	-	-	272.96	mA
	$R_{\theta JA} = 79.20\text{ }^{\circ}\text{C/W}$, $V_I = 5\text{ V}$, $T_J = 150\text{ }^{\circ}\text{C}$, $T_A = 25\text{ }^{\circ}\text{C}$ (WSOP8)	-	-	315.66	
	$R_{\theta JA} = 65.70\text{ }^{\circ}\text{C/W}$, $V_I = 5\text{ V}$, $T_J = 150\text{ }^{\circ}\text{C}$, $T_A = 25\text{ }^{\circ}\text{C}$ (WWSOP8)	-	-	380.52	
	$R_{\theta JA} = 62.47\text{ }^{\circ}\text{C/W}$, $V_I = 5\text{ V}$, $T_J = 150\text{ }^{\circ}\text{C}$, $T_A = 25\text{ }^{\circ}\text{C}$ (WSOP16)	-	-	400.19	
	$R_{\theta JA} = 52.85\text{ }^{\circ}\text{C/W}$, $V_I = 5\text{ V}$, $T_J = 150\text{ }^{\circ}\text{C}$, $T_A = 25\text{ }^{\circ}\text{C}$ (WWSOP16)	-	-	473.04	
P_S	$R_{\theta JA} = 91.59\text{ }^{\circ}\text{C/W}$, $T_J = 150\text{ }^{\circ}\text{C}$, $T_A = 25\text{ }^{\circ}\text{C}$ (SOP8)	-	-	1364.78	mW
	$R_{\theta JA} = 79.20\text{ }^{\circ}\text{C/W}$, $T_J = 150\text{ }^{\circ}\text{C}$, $T_A = 25\text{ }^{\circ}\text{C}$ (WSOP8)	-	-	1578.28	
	$R_{\theta JA} = 65.70\text{ }^{\circ}\text{C/W}$, $T_J = 150\text{ }^{\circ}\text{C}$, $T_A = 25\text{ }^{\circ}\text{C}$ (WWSOP8)	-	-	1902.59	
	$R_{\theta JA} = 62.47\text{ }^{\circ}\text{C/W}$, $T_J = 150\text{ }^{\circ}\text{C}$, $T_A = 25\text{ }^{\circ}\text{C}$ (WSOP16)	-	-	2000.96	
	$R_{\theta JA} = 52.85\text{ }^{\circ}\text{C/W}$, $T_J = 150\text{ }^{\circ}\text{C}$, $T_A = 25\text{ }^{\circ}\text{C}$ (WWSOP16)	-	-	2365.18	
T_S	Maximum Safety Temperature	-	-	150	$^{\circ}\text{C}$

(1) The maximum safety temperature, T_S , has the same value as the maximum junction temperature, T_J , specified for the device. The I_S and P_S parameters represent the safety current and safety power respectively. The maximum limits of I_S and P_S must not be exceeded. These limits vary with the ambient temperature, T_A .

The junction-to-air thermal resistance, $R_{\theta JA}$, in the table is that of a device installed on a high-K test board for leaded surface-mount packages. Use these equations to calculate the value for each parameter:

$T_J = T_A + R_{\theta JA} \times P$, where P is the power dissipated in the device.

$T_{J(max)} = T_S = T_A + R_{\theta JA} \times P_S$, where $T_{J(max)}$ is the maximum allowed junction temperature.

$P_S = I_S \times V_I$, where V_I is the maximum input voltage.

2-Channel Reinforced High-Performance Digital Isolator

Electrical Characteristics

All test condition is at $V_{CCA} = V_{CCB} = 2.25\text{ V}$ to 5.5 V , $T_A = -40^\circ\text{C}$ to $+125^\circ\text{C}$. Typical value is at $V_{CC} = 3.3\text{ V}$, $T_A = +25^\circ\text{C}$, unless otherwise noted.

Parameter		Conditions	Min	Typ	Max	Unit
V_{IT+}	Rising Input Threshold Voltage	Input signal, INx	-	$0.5^* V_{CCI}^{(1)}$	$0.7^* V_{CCI}$	V
V_{IT-}	Falling Input Threshold Voltage	Input signal, INx	$0.3^* V_{CCI}$	$0.36^* V_{CCI}$	-	V
V_{HYS}	Input Threshold Voltage Hysteresis	$V_{IT+} - V_{IT-}$	-	$0.14^* V_{CCI}$	-	V
I_{IH}	High-level Input Current	$V_{IH} = V_{CCI}$ at INx	-	-	20	μA
I_{IL}	Low-level Input Current	$V_{IL} = 0\text{ V}$ at INx	-20	-	-	μA
V_{OH}	High-level Output Voltage	$V_{CCO}^{(1)} = 5\text{ V} \pm 10\%$, $I_{OH} = -4\text{ mA}$; Test OUTx	$V_{CCO} - 0.4$	$V_{CCO} - 0.2$	-	V
		$V_{CCO} = 3.3\text{ V} \pm 10\%$, $I_{OH} = -2\text{ mA}$; Test OUTx	$V_{CCO} - 0.3$	$V_{CCO} - 0.1$	-	
		$V_{CCO} = 2.5\text{ V} \pm 10\%$, $I_{OH} = -1\text{ mA}$; Test OUTx	$V_{CCO} - 0.2$	$V_{CCO} - 0.05$	-	
V_{OL}	Low-level Output Voltage	$V_{CCO} = 5\text{ V} \pm 10\%$, $I_{OL} = 4\text{ mA}$; Test OUTx	-	0.17	0.4	V
		$V_{CCO} = 3.3\text{ V} \pm 10\%$, $I_{OL} = 2\text{ mA}$; Test OUTx	-	0.1	0.3	
		$V_{CCO} = 2.5\text{ V} \pm 10\%$, $I_{OL} = 1\text{ mA}$; Test OUTx	-	0.05	0.2	
CMTI	Common-mode Transient Immunity	Static CMTI	-	200	-	kV/ μs
		Dynamic CMTI	-	150	-	kV/ μs
C_i	Input Capacitance ⁽²⁾		-	2	-	pF

(1) V_{CCI} = Input-side V_{CC} ; V_{CCO} = Output-side V_{CC}

(2) Provided by bench test and design simulation.

2-Channel Reinforced High-Performance Digital Isolator

Timing Specifications – 5 V Supply

All test condition is at $V_{CCA} = V_{CCB} = 5\text{ V} \pm 10\%$, $T_A = -40^\circ\text{C}$ to $+125^\circ\text{C}$. Typical value is at $V_{CC} = 5\text{ V}$, $T_A = +25^\circ\text{C}$, $C_L = 15\text{ pF}$ to GND, unless otherwise noted.

Parameter		Conditions	Min	Typ	Max	Unit
f_{DATA}	Translation data rate		-	-	100	Mbps
t_{PLH}	Propagation delay time, low-to-high		-	16	26	ns
t_{PHL}	Propagation delay time, high-to-low		-	17	26	ns
PWD	Pulse width distortion ⁽¹⁾ $ t_{\text{PHL}} - t_{\text{PLH}} $		-	1	7	ns
$t_{\text{sk (CC)}}$	Channel-to-channel output skew time ⁽¹⁾⁽²⁾	Same direction channels	-	-	4	ns
$t_{\text{sk (PP)}}$	Part-to-part output skew time ⁽¹⁾⁽²⁾	Same direction channels	-	-	4.5	ns
t_r	Output signal rise time ⁽¹⁾		-	2.3	4	ns
t_f	Output signal fall time ⁽¹⁾		-	1.4	4	ns
t_{DO}	Default output delay time from input power loss	Measured from the time V_{CC} goes below 1.7 V	-	26	60	ns
t_{SU}	Setup time		-	35	60	μs

(1) Provided by bench test and design simulation.

(2) $t_{\text{sk (CC)}}$ is the skew of delay time between different channels of a single device, while $t_{\text{sk (PP)}}$ is the skew of delay time between different devices switching in the same direction while operating at identical supply voltages, temperature, input signals, and loads.

2-Channel Reinforced High-Performance Digital Isolator

Supply Current Characteristics – 5 V Supply

All test condition is at $V_{CCA} = V_{CCB} = 5\text{ V} \pm 10\%$, $T_A = -40^\circ\text{C}$ to $+125^\circ\text{C}$. Typical value is at $V_{CC} = 5\text{ V}$, $T_A = +25^\circ\text{C}$, $C_L = 15\text{ pF}$ to GND, unless otherwise noted.

Parameter	Description		Supply Current	Min	Typ	Max	Unit
TPT7621							
Supply current - DC signal	V _I = 0 V (TPT7621F) V _I = VCC _I (TPT7621)		I _{CCA}	-	1.1	1.4	mA
			I _{CCB}	-	1.1	1.4	
	V _I = VCC _I (TPT7621F) V _I = 0 V (TPT7621)		I _{CCA}	-	2.4	2.9	
			I _{CCB}	-	2.4	2.9	
Supply current - AC signal	All channels switching with square wave clock input; C _L = 15 pF	1 Mbps	I _{CCA}	-	1.8	2.4	
			I _{CCB}	-	1.8	2.4	
		10 Mbps	I _{CCA}	-	2.6	3.3	
			I _{CCB}	-	2.6	3.3	
		100 Mbps	I _{CCA} ⁽¹⁾	-	6.3	-	
			I _{CCB} ⁽¹⁾	-	6.3	-	

(1) Provided by bench test and design simulation.

2-Channel Reinforced High-Performance Digital Isolator

Timing Specifications – 3.3 V Supply

All test condition is at $V_{CCA} = V_{CCB} = 3.3 \text{ V} \pm 10\%$, $T_A = -40^\circ\text{C}$ to $+125^\circ\text{C}$. Typical value is at $V_{CC} = 3.3 \text{ V}$, $T_A = +25^\circ\text{C}$, $C_L = 15 \text{ pF}$ to GND, unless otherwise noted.

Parameter		Conditions	Min	Typ	Max	Unit
f_{DATA}	Translation data rate		-	-	100	Mbps
t_{PLH}	Propagation delay time, low-to-high		-	17	26	ns
t_{PHL}	Propagation delay time, high-to-low		-	18	26	ns
PWD	Pulse width distortion ⁽¹⁾ $ t_{\text{PHL}} - t_{\text{PLH}} $		-	1	6	ns
$t_{\text{sk (CC)}}$	Channel-to-channel output skew time ⁽¹⁾⁽²⁾	Same direction channels	-	-	4	ns
$t_{\text{sk (PP)}}$	Part-to-part output skew time ⁽¹⁾⁽²⁾	Same direction channels	-	-	4.5	ns
t_r	Output signal rise time ⁽¹⁾		-	3	4.5	ns
t_f	Output signal fall time ⁽¹⁾		-	1.5	4.5	ns
t_{DO}	Default output delay time from input power loss	Measured from the time V_{CC} goes below 1.7 V.	-	26	60	ns
t_{SU}	Setup time		-	35	60	μs

(1) Provided by bench test and design simulation.

(2) $t_{\text{sk (CC)}}$ is the skew of delay time between different channels of a single device, while $t_{\text{sk (PP)}}$ is the skew of delay time between different devices switching in the same direction while operating at identical supply voltages, temperature, input signals, and loads.

2-Channel Reinforced High-Performance Digital Isolator

Supply Current Characteristics – 3.3 V Supply

All test condition is at $V_{CCA} = V_{CCB} = 3.3 \text{ V} \pm 10\%$, $T_A = -40^\circ\text{C}$ to $+125^\circ\text{C}$. Typical value is at $V_{CC} = 3.3 \text{ V}$, $T_A = +25^\circ\text{C}$, $C_L = 15 \text{ pF}$ to GND, unless otherwise noted.

Parameter	Description		Supply Current	Min	Typ	Max	Unit
TPT7621							
Supply current - DC signal	V _I = 0 V (TPT7621F) V _I = VCC _I (TPT7621)		I _{CCA}	-	1.1	1.3	mA
			I _{CCB}	-	1.0	1.3	
	V _I = VCC _I (TPT7621F) V _I = 0 V (TPT7621)		I _{CCA}	-	2.3	2.8	
			I _{CCB}	-	2.3	2.8	
Supply current - AC signal	All channels switching with square wave clock input; C _L = 15 pF	1 Mbps	I _{CCA}	-	1.7	2.3	
			I _{CCB}	-	1.7	2.3	
		10 Mbps	I _{CCA}	-	2.2	2.8	
			I _{CCB}	-	2.2	2.8	
		100 Mbps	I _{CCA} ⁽¹⁾	-	4.7	-	
			I _{CCB} ⁽¹⁾	-	4.7	-	

(1) Provided by bench test and design simulation.

2-Channel Reinforced High-Performance Digital Isolator

Timing Specifications – 2.5 V Supply

All test condition is at $V_{CCA} = V_{CCB} = 2.5 \text{ V} \pm 10\%$, $T_A = -40^\circ\text{C}$ to $+125^\circ\text{C}$. Typical value is at $V_{CC} = 2.5 \text{ V}$, $T_A = +25^\circ\text{C}$, $C_L = 15 \text{ pF}$ to GND, unless otherwise noted.

Parameter		Conditions	Min	Typ	Max	Unit
f_{DATA}	Translation data rate		-	-	100	Mbps
t_{PLH}	Propagation delay time, low-to-high		-	18	26	ns
t_{PHL}	Propagation delay time, high-to-low		-	19	26	ns
PWD	Pulse width distortion ⁽¹⁾ $ t_{\text{PHL}} - t_{\text{PLH}} $		-	0.7	6	ns
$t_{\text{sk (CC)}}$	Channel-to-channel output skew time ⁽¹⁾⁽²⁾	Same direction channels	-	-	4	ns
$t_{\text{sk (PP)}}$	Part-to-part output skew time ⁽¹⁾⁽²⁾	Same direction channels	-	-	4.5	ns
t_r	Output signal rise time ⁽¹⁾		-	3.7	4.5	ns
t_f	Output signal fall time ⁽¹⁾		-	1.7	4.5	ns
t_{DO}	Default output delay time from input power loss	Measured from the time V_{CC} goes below 1.7 V.	-	22	60	ns
t_{SU}	Setup time		-	35	60	μs

(1) Provided by bench test and design simulation.

(2) $t_{\text{sk (CC)}}$ is the skew of delay time between different channels of a single device, while $t_{\text{sk (PP)}}$ is the skew of delay time between different devices switching in the same direction while operating at identical supply voltages, temperature, input signals, and loads.

2-Channel Reinforced High-Performance Digital Isolator

Supply Current Characteristics – 2.5 V Supply

All test condition is at $V_{CCA} = V_{CCB} = 2.5 \text{ V} \pm 10\%$, $T_A = -40^\circ\text{C}$ to $+125^\circ\text{C}$. Typical value is at $V_{CC} = 2.5 \text{ V}$, $T_A = +25^\circ\text{C}$, $C_L = 15 \text{ pF}$ to GND, unless otherwise noted.

Parameter	Description		Supply Current	Min	Typ	Max	Unit
TPT7621							
Supply current - DC signal	V _I = 0 V (TPT7621F) V _I = VCC _I (TPT7621)		I _{CCA}	-	1.1	1.3	mA
			I _{CCB}	-	1.1	1.3	
	V _I = VCC _I (TPT7621F) V _I = 0 V (TPT7621)		I _{CCA}	-	2.3	2.8	
			I _{CCB}	-	2.3	2.8	
Supply current - AC signal	All channels switching with square wave clock input; C _L = 15 pF	1 Mbps	I _{CCA}	-	1.7	2.2	
			I _{CCB}	-	1.7	2.2	
		10 Mbps	I _{CCA}	-	2.1	2.5	
			I _{CCB}	-	2.1	2.5	
		100 Mbps	I _{CCA} ⁽¹⁾	-	4.0	-	
			I _{CCB} ⁽¹⁾	-	4.0	-	

(1) Provided by bench test and design simulation.

2-Channel Reinforced High-Performance Digital Isolator

Test Circuits and Waveforms

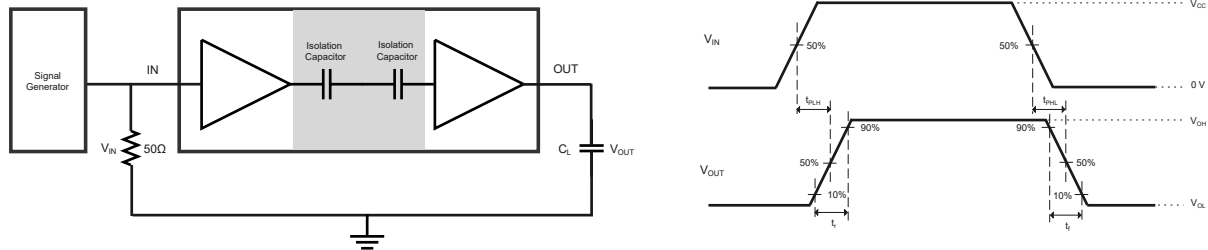


Figure 3. Switching Characteristics Test Circuit and Waveforms

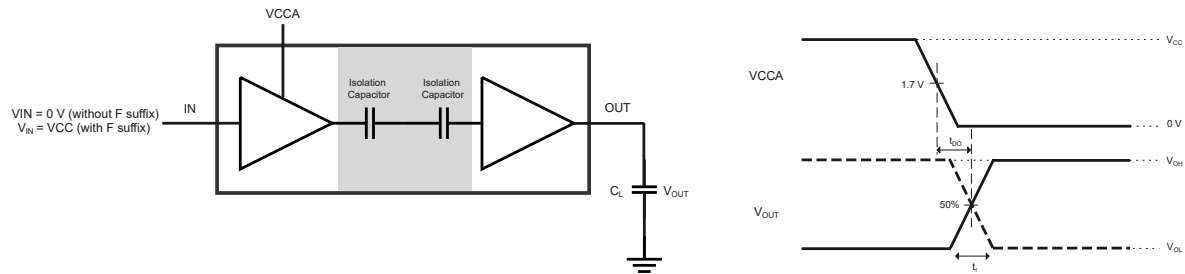


Figure 4. Default Output Delay Time Test Circuit and Voltage Waveforms

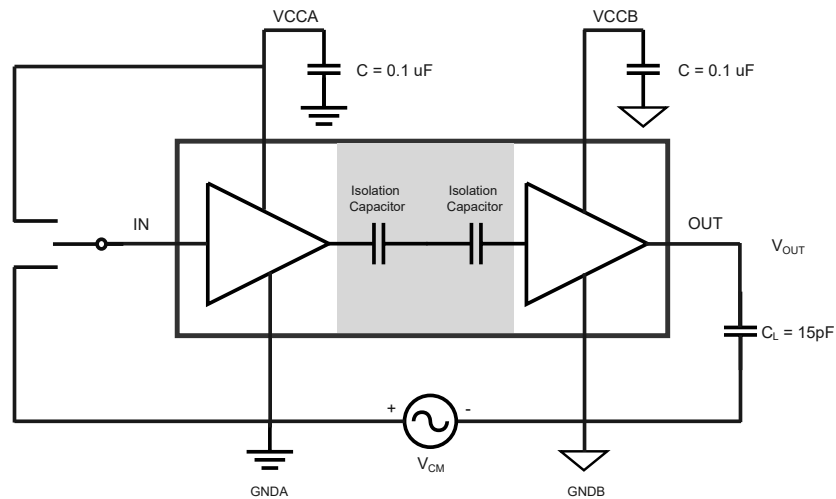


Figure 5. Common-mode Transient Immunity Test Circuit

2-Channel Reinforced High-Performance Digital Isolator

Application and Implementation

Note

Information in the following application sections is not part of the 3PEAK's component specification and 3PEAK does not warrant its accuracy or completeness. 3PEAK's customers are responsible for determining suitability of components for their purposes. Customers should validate and test their design implementation to confirm system functionality.

Typical Application

Figure 6 is the TPT762x typical application. The two external bypass capacitors need to be close to the VCC power pin. The maximum distance is 2 mm.

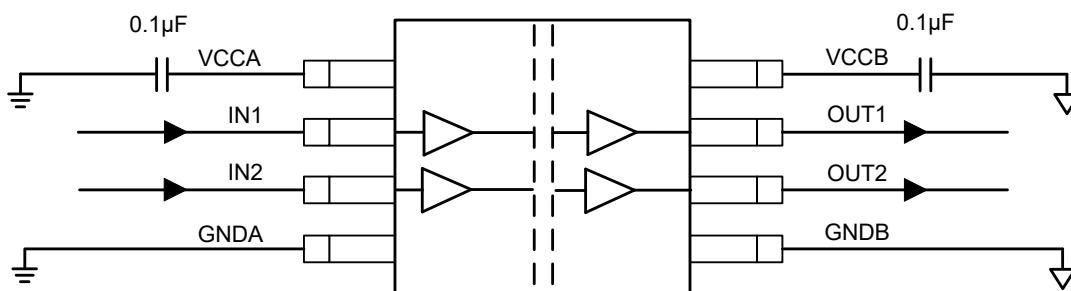


Figure 6. TPT7620/TPT7620F SOP8, WSOP8, WWSOP8

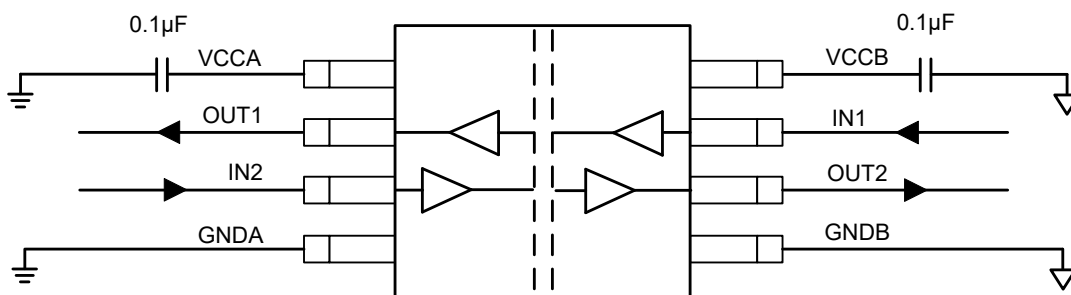


Figure 7. TPT7621/TPT7621F SOP8, WSOP8, WWSOP8

2-Channel Reinforced High-Performance Digital Isolator

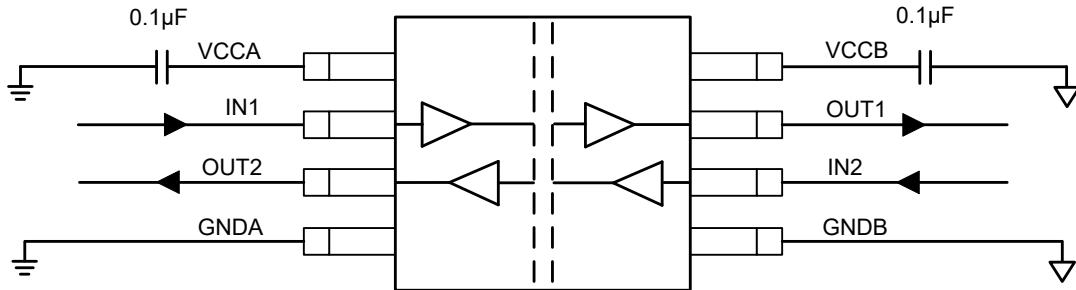


Figure 8. TPT7622/TPT7622F SOP8, WSOP8, WWSOP8

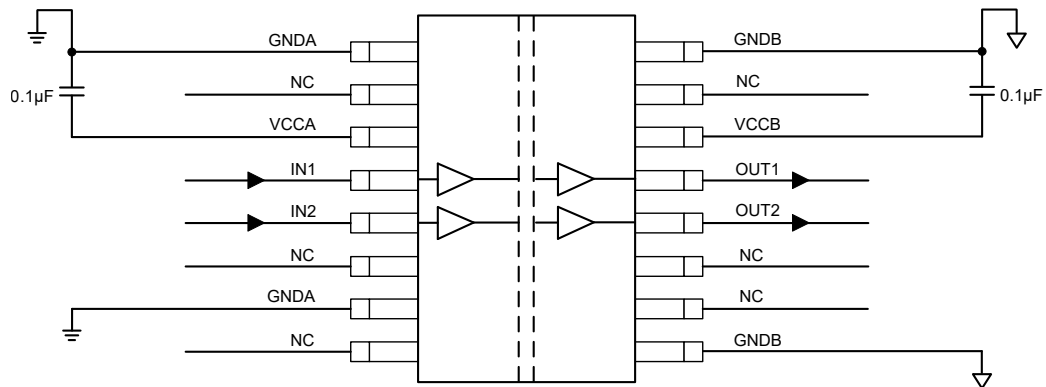


Figure 9. TPT7620/TPT7620F WSOP16

2-Channel Reinforced High-Performance Digital Isolator

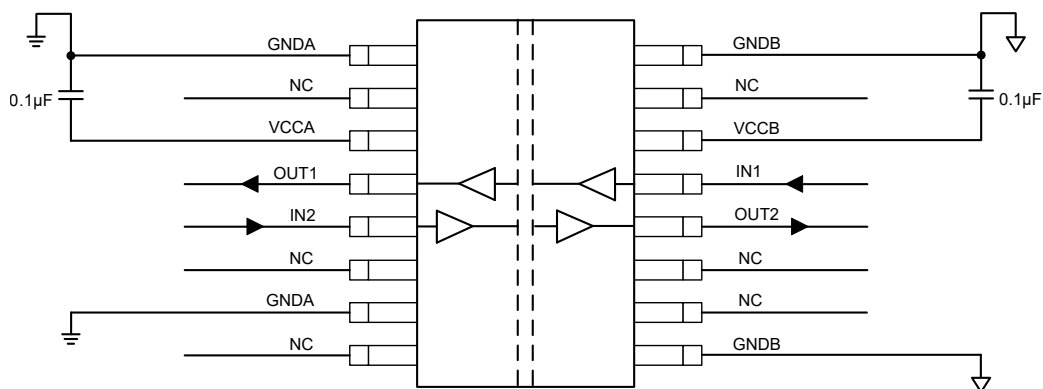


Figure 10. TPT7621/TPT7621F WSOP16

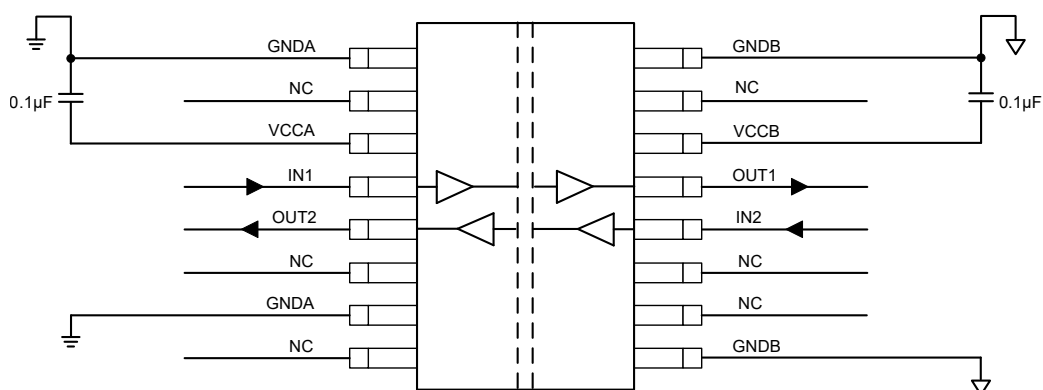


Figure 11. TPT7622/TPT7622F WSOP16

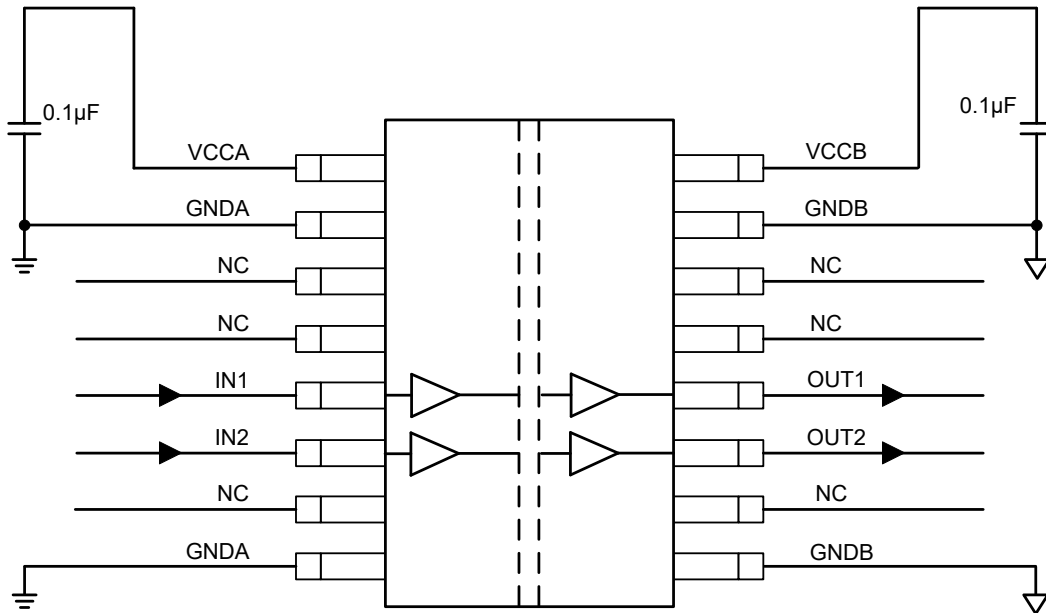
2-Channel Reinforced High-Performance Digital Isolator


Figure 12. TPT7620/TPT7620F WWSOP16

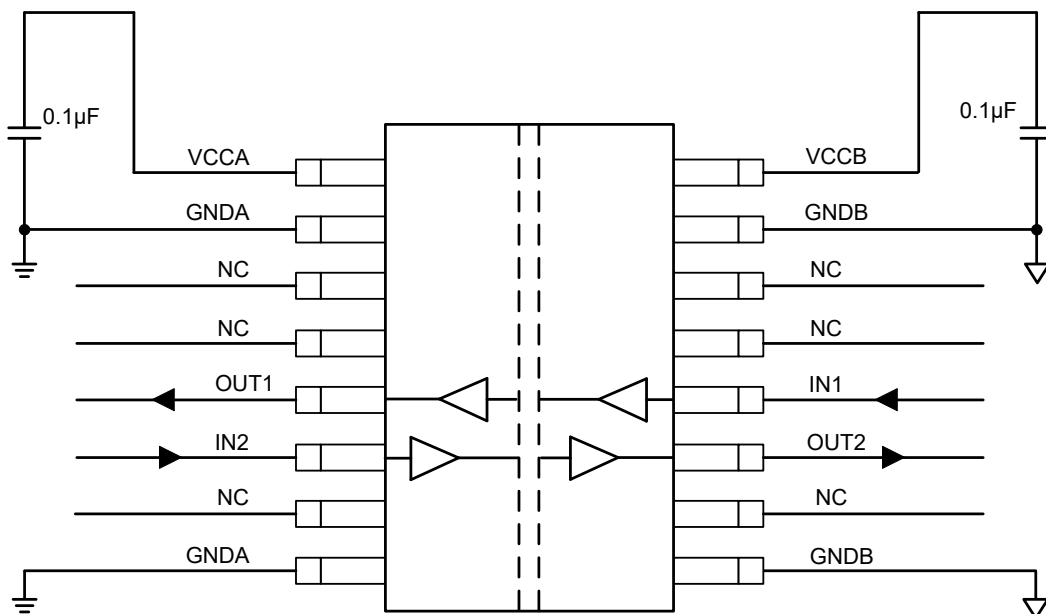


Figure 13. TPT7621/TPT7621F WWSOP16

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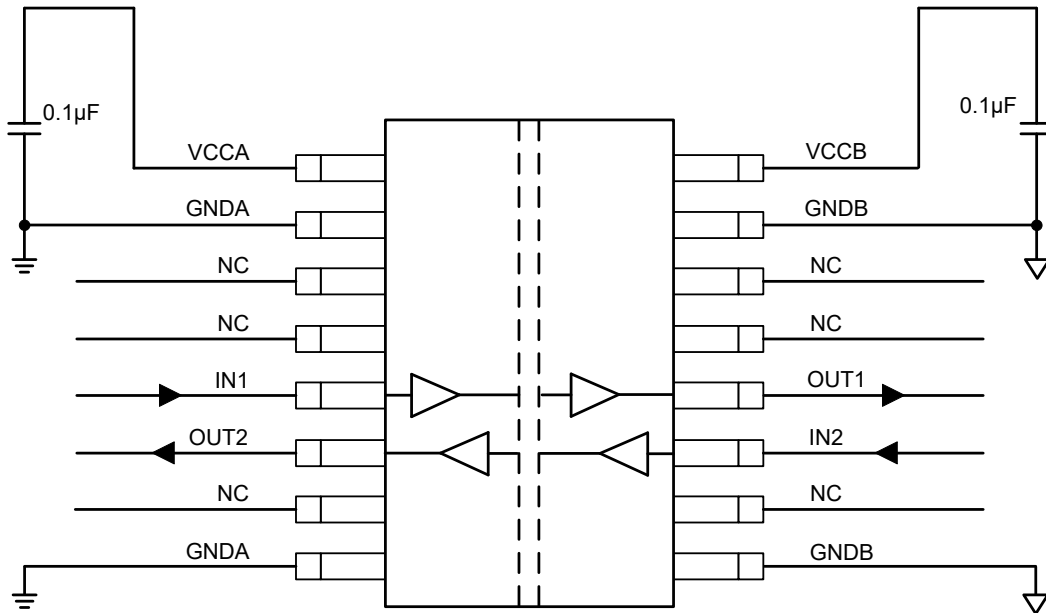
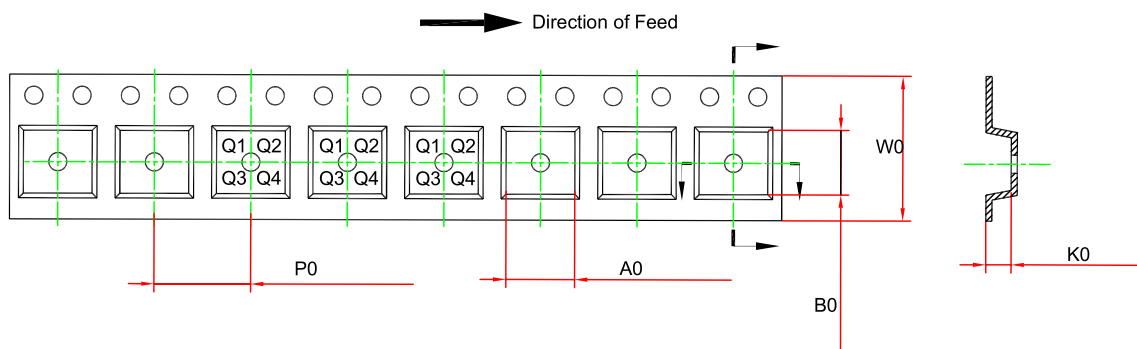
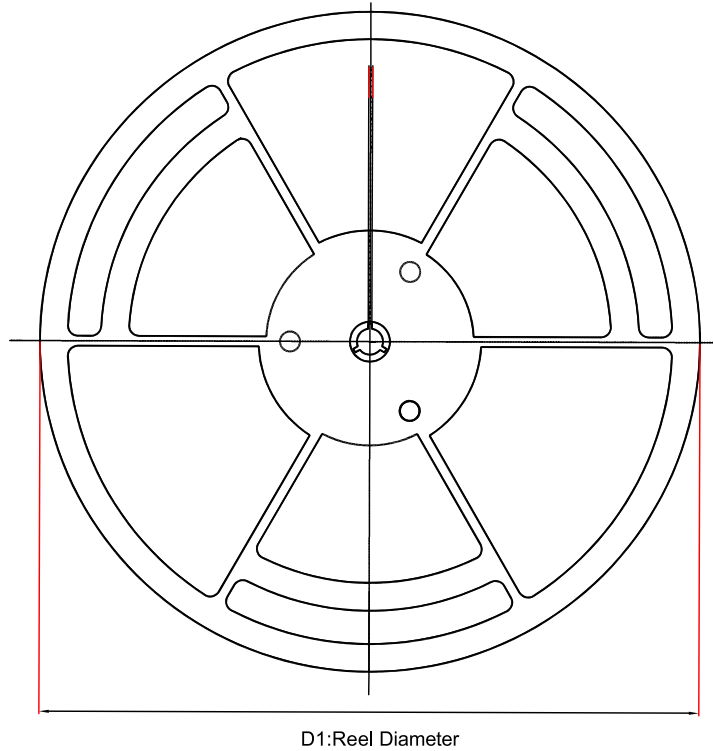


Figure 14. TPT7622/TPT7622F WWSOP16

Tape and Reel Information

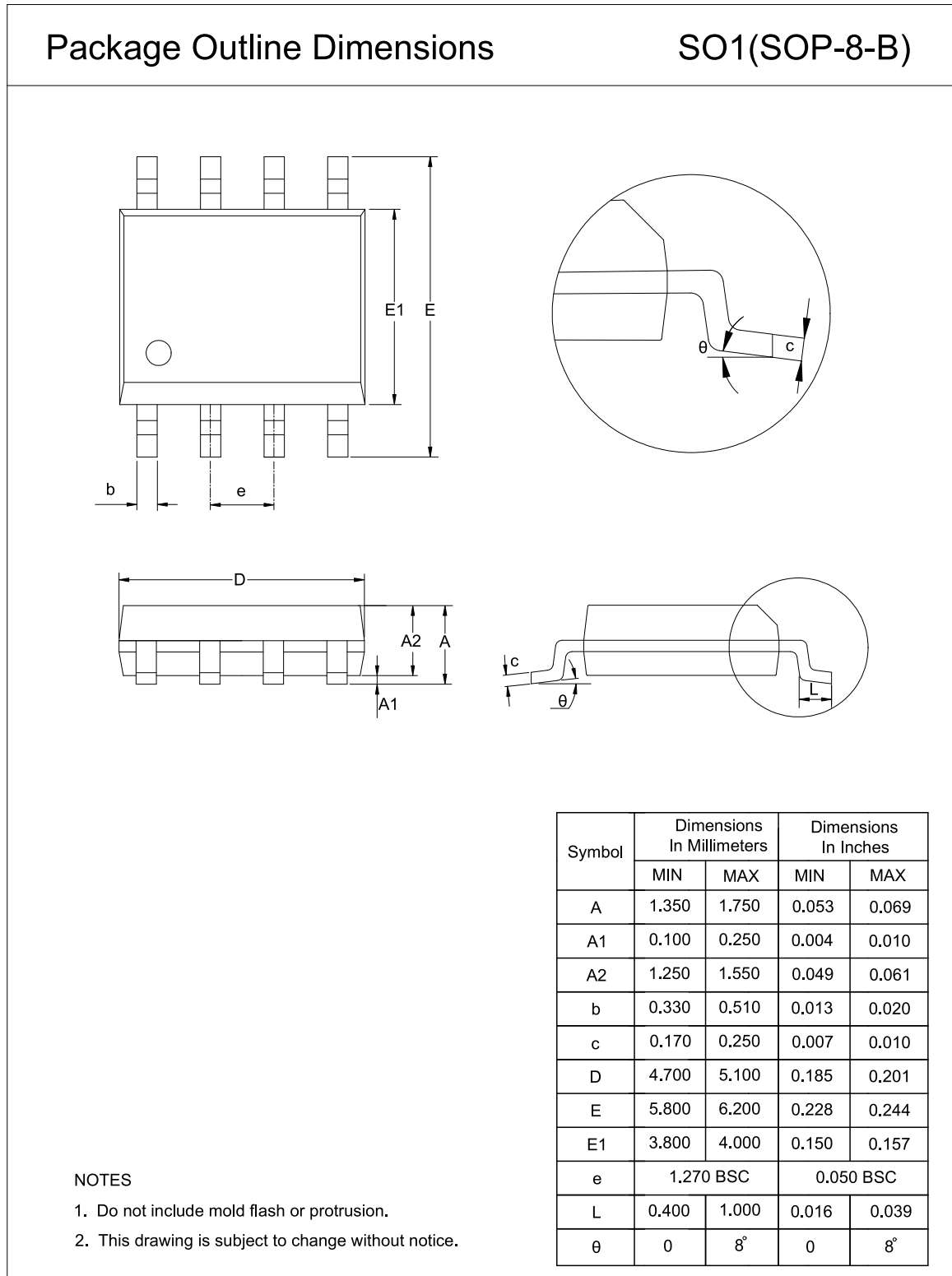


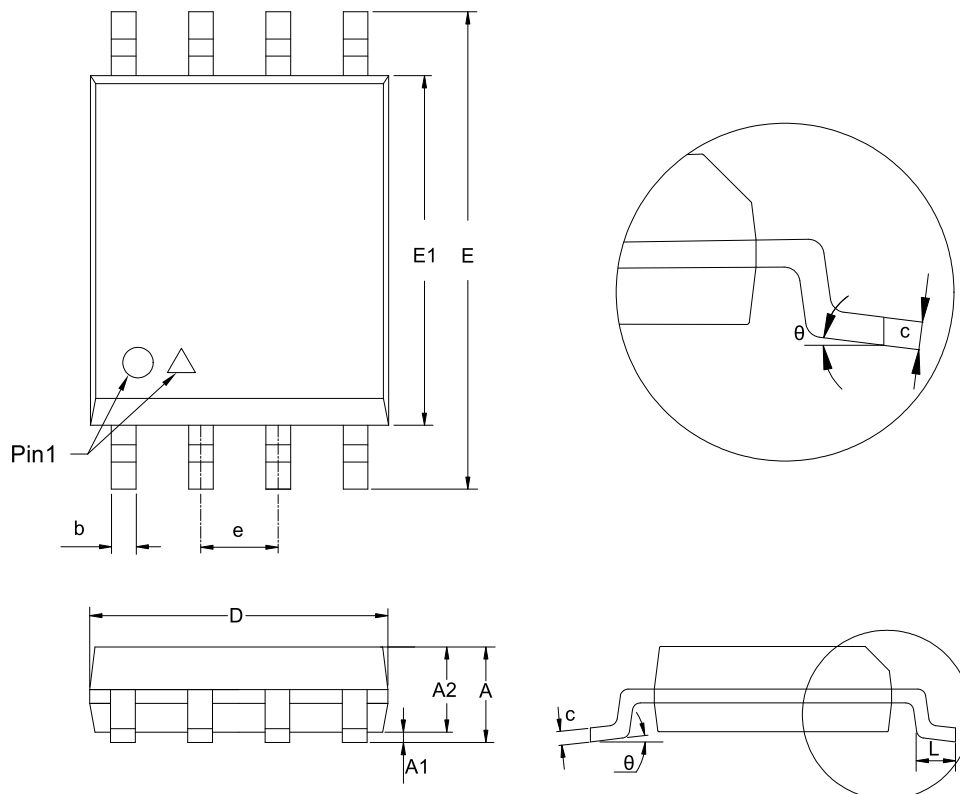
2-Channel Reinforced High-Performance Digital Isolator

Order Number	Package	D1 (mm)	W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P0 (mm)	W0 (mm)	Pin1 Quadrant
TPT7620-SO1R	SOP8	330	17.6	6.5	5.4	2.0	8.0	12.0	Q1
TPT7620F-SO1R	SOP8	330	17.6	6.5	5.4	2.0	8.0	12.0	Q1
TPT7621-SO1R	SOP8	330	17.6	6.5	5.4	2.0	8.0	12.0	Q1
TPT7621F-SO1R	SOP8	330	17.6	6.5	5.4	2.0	8.0	12.0	Q1
TPT7622-SO1R	SOP8	330	17.6	6.5	5.4	2.0	8.0	12.0	Q1
TPT7622F-SO1R	SOP8	330	17.6	6.5	5.4	2.0	8.0	12.0	Q1
TPT7620-SOAR	WSOP8	330	21.6	11.95	6.2	3.1	16.0	16.0	Q1
TPT7620F-SOAR	WSOP8	330	21.6	11.95	6.2	3.1	16.0	16.0	Q1
TPT7621-SOAR	WSOP8	330	21.6	11.95	6.2	3.1	16.0	16.0	Q1
TPT7621F-SOAR	WSOP8	330	21.6	11.95	6.2	3.1	16.0	16.0	Q1
TPT7622-SOAR	WSOP8	330	21.6	11.95	6.2	3.1	16.0	16.0	Q1
TPT7622F-SOAR	WSOP8	330	21.6	11.95	6.2	3.1	16.0	16.0	Q1
TPT7620-SOKR	WWSOP8	330	21.6	17.7	6.8	2.8	24.0	16.0	Q1
TPT7620F-SOKR	WWSOP8	330	21.6	17.7	6.8	2.8	24.0	16.0	Q1
TPT7621-SOKR	WWSOP8	330	21.6	17.7	6.8	2.8	24.0	16.0	Q1
TPT7621F-SOKR	WWSOP8	330	21.6	17.7	6.8	2.8	24.0	16.0	Q1
TPT7622-SOKR	WWSOP8	330	21.6	17.7	6.8	2.8	24.0	16.0	Q1
TPT7622F-SOKR	WWSOP8	330	21.6	17.7	6.8	2.8	24.0	16.0	Q1
TPT7620-SOBR	WSOP16	330	21.6	10.9	10.8	3.1	12.0	16.0	Q1
TPT7620F-SOBR	WSOP16	330	21.6	10.9	10.8	3.1	12.0	16.0	Q1
TPT7621-SOBR	WSOP16	330	21.6	10.9	10.8	3.1	12.0	16.0	Q1
TPT7621F-SOBR	WSOP16	330	21.6	10.9	10.8	3.1	12.0	16.0	Q1
TPT7622-SOBR	WSOP16	330	21.6	10.9	10.8	3.1	12.0	16.0	Q1
TPT7622F-SOBR	WSOP16	330	21.6	10.9	10.8	3.1	12.0	16.0	Q1
TPT7620-SOFR	WWSOP16	330	29.0	17.6	10.8	3.0	20.0	24.0	Q1
TPT7620F-SOFR	WWSOP16	330	29.0	17.6	10.8	3.0	20.0	24.0	Q1
TPT7621-SOFR	WWSOP16	330	29.0	17.6	10.8	3.0	20.0	24.0	Q1
TPT7621F-SOFR	WWSOP16	330	29.0	17.6	10.8	3.0	20.0	24.0	Q1
TPT7622-SOFR	WWSOP16	330	29.0	17.6	10.8	3.0	20.0	24.0	Q1
TPT7622F-SOFR	WWSOP16	330	29.0	17.6	10.8	3.0	20.0	24.0	Q1

Package Outline Dimensions

SOP8



WSOP8
Package Outline Dimensions
SOA(WSOP-8-A)

NOTES

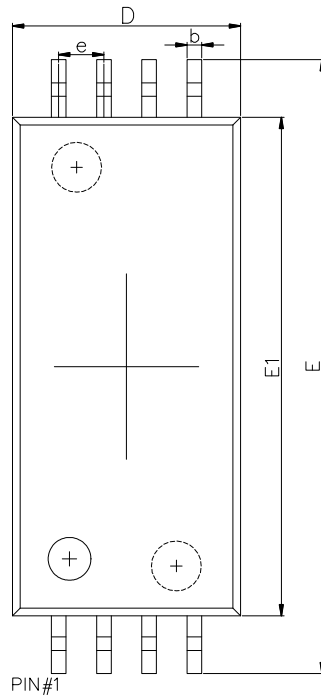
1. Do not include mold flash or protrusion.
2. This drawing is subject to change without notice.

Symbol	Dimensions In Millimeters		Dimensions In Inches	
	MIN	MAX	MIN	MAX
A	2.550	2.800	0.100	0.110
A1	0.360	0.460	0.014	0.018
A2	2.190	2.390	0.086	0.094
b	0.310	0.510	0.012	0.020
c	0.150	0.300	0.006	0.012
D	5.750	5.950	0.226	0.234
E	11.250	11.750	0.443	0.463
E1	7.400	7.600	0.291	0.299
e	1.270 BSC		0.050 BSC	
L	0.500	1.000	0.020	0.039
θ	0	8°	0	8°

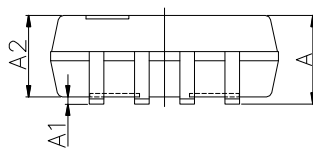
WWSOP8

Package Outline Dimensions

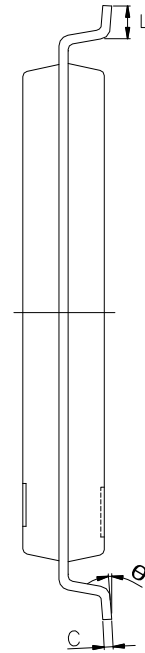
SOK(WWSOP-8-A)



TOP VIEW



SIDE VIEW



SIDE VIEW

Symbol	Dimensions In Millimeters		Dimensions In Inches	
	MIN	MAX	MIN	MAX
A	---	2.650	---	0.104
A1	0.100	0.300	0.004	0.012
A2	2.250	2.336	0.089	0.092
b	0.310	0.510	0.012	0.020
c	0.220	0.280	0.009	0.011
D	6.300	6.500	0.248	0.256
e	1.270 BSC		0.050 BSC	
E	17.100	17.400	0.673	0.685
E1	13.900	14.100	0.547	0.555
L	0.600	1.100	0.024	0.043
θ	0°	8°	0°	8°

NOTES

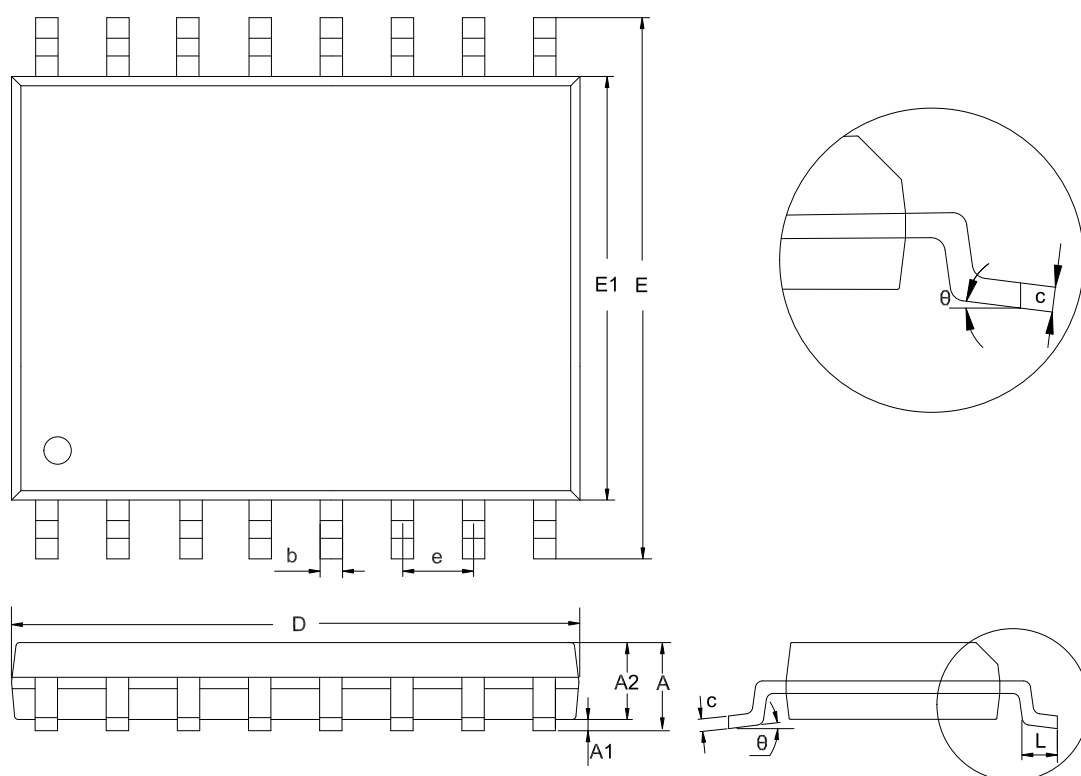
- Do not include mold flash or protrusion.
- This drawing is subject to change without notice.

2-Channel Reinforced High-Performance Digital Isolator

WSOP16

Package Outline Dimensions

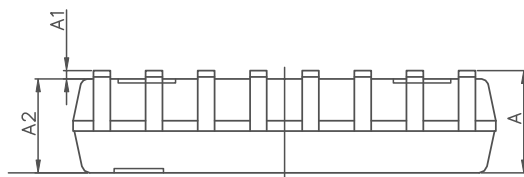
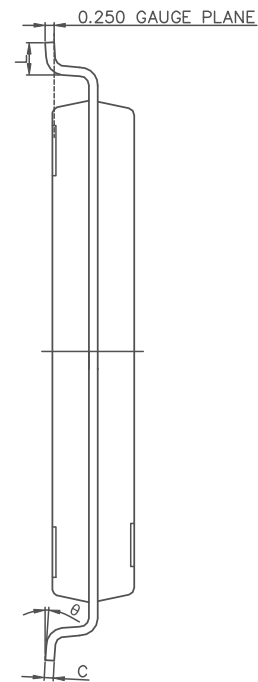
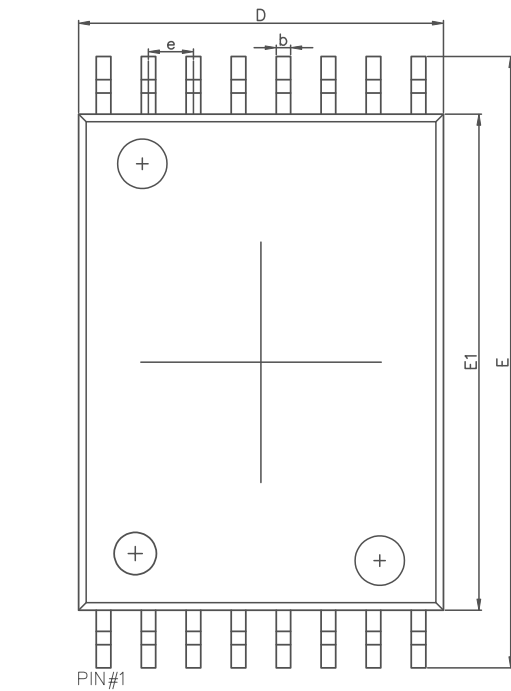
SOB(WSOP-16-A)



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	MIN	MAX	MIN	MAX
A	2.350	2.650	0.093	0.104
A1	0.100	0.300	0.004	0.012
A2	2.250	2.350	0.089	0.093
b	0.350	0.450	0.014	0.018
c	0.200	0.290	0.008	0.011
D	10.100	10.500	0.398	0.413
E	10.100	10.600	0.398	0.417
E1	7.300	7.700	0.287	0.303
e	1.270 BSC		0.050 BSC	
L	0.500	0.850	0.020	0.033
θ	0	8°	0	8°

NOTES

1. Do not include mold flash or protrusion.
2. This drawing is subject to change without notice.

WWSOP16
Package Outline Dimensions
SOF(WWSOP-16-A)

NOTES

1. Do not include mold flash or protrusion.
2. This drawing is subject to change without notice.

Symbol	Dimensions In Millimeters		Dimensions In Inches	
	MIN	MAX	MIN	MAX
A	---	2.650	---	0.104
A1	0.100	0.300	0.004	0.012
A2	2.236	2.336	0.088	0.092
b	0.310	0.510	0.012	0.020
c	0.220	0.280	0.009	0.011
D	10.200	10.400	0.402	0.409
E	17.100	17.400	0.673	0.685
E1	13.900	14.100	0.547	0.555
e	1.270 BSC		0.050 BSC	
L	0.600	1.100	0.024	0.043
θ	0	8°	0	8°

2-Channel Reinforced High-Performance Digital Isolator
Order Information

Order Number	Operating Temperature Range	Package	Marking	MSL	Transport Media & Quantity	Eco plan
TPT7620-SO1R	-40 to 125°C	SOP8	T7620	MSL3	Tape and Reel, 4000	Green
TPT7620F-SO1R	-40 to 125°C	SOP8	7620F	MSL3	Tape and Reel, 4000	Green
TPT7621-SO1R	-40 to 125°C	SOP8	T7621	MSL3	Tape and Reel, 4000	Green
TPT7621F-SO1R	-40 to 125°C	SOP8	7621F	MSL3	Tape and Reel, 4000	Green
TPT7622-SO1R	-40 to 125°C	SOP8	T7622	MSL3	Tape and Reel, 4000	Green
TPT7622F-SO1R	-40 to 125°C	SOP8	7622F	MSL3	Tape and Reel, 4000	Green
TPT7620-SOAR	-40 to 125°C	WSOP8	T7620	MSL3	Tape and Reel, 1000	Green
TPT7620F-SOAR	-40 to 125°C	WSOP8	7620F	MSL3	Tape and Reel, 1000	Green
TPT7621-SOAR	-40 to 125°C	WSOP8	T7621	MSL3	Tape and Reel, 1000	Green
TPT7621F-SOAR	-40 to 125°C	WSOP8	7621F	MSL3	Tape and Reel, 1000	Green
TPT7622-SOAR	-40 to 125°C	WSOP8	T7622	MSL3	Tape and Reel, 1000	Green
TPT7622F-SOAR	-40 to 125°C	WSOP8	7622F	MSL3	Tape and Reel, 1000	Green
TPT7620-SOKR	-40 to 125°C	WWSOP8	T7620	MSL3	Tape and Reel, 500	Green
TPT7620F-SOKR	-40 to 125°C	WWSOP8	7620F	MSL3	Tape and Reel, 500	Green
TPT7621-SOKR	-40 to 125°C	WWSOP8	T7621	MSL3	Tape and Reel, 500	Green
TPT7621F-SOKR	-40 to 125°C	WWSOP8	7621F	MSL3	Tape and Reel, 500	Green
TPT7622-SOKR ⁽¹⁾	-40 to 125°C	WWSOP8	T7622	MSL3	Tape and Reel, 500	Green
TPT7622F-SOKR ⁽¹⁾	-40 to 125°C	WWSOP8	7622F	MSL3	Tape and Reel, 500	Green
TPT7620-SOBR	-40 to 125°C	WSOP16	T7620	MSL3	Tape and Reel, 1500	Green
TPT7620F-SOBR	-40 to 125°C	WSOP16	7620F	MSL3	Tape and Reel, 1500	Green

2-Channel Reinforced High-Performance Digital Isolator

Order Number	Operating Temperature Range	Package	Marking	MSL	Transport Media & Quantity	Eco plan
TPT7621-SOBR	-40 to 125°C	WSOP16	T7621	MSL3	Tape and Reel, 1500	Green
TPT7621F-SOBR	-40 to 125°C	WSOP16	7621F	MSL3	Tape and Reel, 1500	Green
TPT7622-SOBR ⁽¹⁾	-40 to 125°C	WSOP16	T7622	MSL3	Tape and Reel, 1500	Green
TPT7622F-SOBR ⁽¹⁾	-40 to 125°C	WSOP16	7622F	MSL3	Tape and Reel, 1500	Green
TPT7620-SOFR	-40 to 125°C	WWSOP16	T7620	MSL3	Tape and Reel, 1000	Green
TPT7620F-SOFR	-40 to 125°C	WWSOP16	7620F	MSL3	Tape and Reel, 1000	Green
TPT7621-SOFR	-40 to 125°C	WWSOP16	T7621	MSL3	Tape and Reel, 1000	Green
TPT7621F-SOFR	-40 to 125°C	WWSOP16	7621F	MSL3	Tape and Reel, 1000	Green
TPT7622-SOFR ⁽¹⁾	-40 to 125°C	WWSOP16	T7622	MSL3	Tape and Reel, 1000	Green
TPT7622F-SOFR ⁽¹⁾	-40 to 125°C	WWSOP16	7622F	MSL3	Tape and Reel, 1000	Green

(1) For future products, contact the 3PEAK factory for more information and samples.

Green: 3PEAK defines "Green" to mean RoHS compatible and free of halogen substances.

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