

Data Surge Protector SPD TSJ Indoor USB 1.0, 2.0 USB Type A Bulkhead to USB Type B 72" Pigtail Panel Mountable



TSJ-USB-AB-72

Features

- Compatible with USB 1.0 and 2.0
- Protects both power and data
- Shielded housing and pigtail cable
- Panel Mount or In-Line

Applications

- PCs
- Wi-Fi client adapters
- RS422/485 converters
- Security cameras

Description

Data surge protector (also known as SPD or lightning protector) TSJ-USB-AB-72 from Transtector, is an Indoor style SPD that utilizes state of the art SASD technology to protect equipment in USB 1.0 and 2.0 networks, while remaining transparent to data throughput. Transtector data surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Connectors	Bulkhead USB Type A Female to USB Type B Male			
Data Protocols	USB 1.0, USB 2.0			
Data Rate			480	Mb/s
Characteristic Impedance			90	Ohms

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD		
Protection Modes		L-G		
Data Turn On Voltage		5.4		Vdc
DC Turn On Voltage		6.5		Vdc
Response Time			5	ns

Mechanical Specifications

Size

Pigtail Length 72 in

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Data Surge Protector SPD TSJ Indoor USB 1.0, 2.0 USB Type A Bulkhead to USB Type B 72" Pigtail Panel Mountable TSJ-USB-AB-72](#)

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TSJ-USB-AB-72

Height	1.4 in	[35.56 mm]
Width	0.75 in	[19.05 mm]
Depth	72 in	[182.88 cm]
Weight	0.36 lbs	[163.29 g]
Housing Material and Plating	Nickel Plated ABS	

Environmental Specifications

Operating Temperature	-40 to 50 deg C
Mount Type	Panel, In-line

Compliance Certifications

RoHS Compliant	Yes
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Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

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URL: <https://www.transtector.com/data-surge-protector-spd-tsj-indoor-usb-tsj-usb-ab-72-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

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TSJ-USB-AB-72 CAD Drawing

REVISIONS		ECN	DATE	APPROVED
REV.	DESCRIPTION	ECN	DATE	APPROVED
A	PRODUCTION RELEASE			

LENGTH

(.463 MIN [11.7 MIN])

MOLDED STRAIN RELIEF
COLOR: LIGHT GRAY
(PANTONE 400C)

ONE 28AWG STRANDED TINNED COPPER TWISTED PAIR
TWO 20AWG STRANDED TINNED COPPER CONDUCTORS
OVERALL ALUMINIZED POLYESTER SHIELD WITH DRAIN WIRE PLUS
TINNED COPPER BRAIDED SHIELD.
PVC OUTER JACKET, LIGHT GRAY (PANTONE 400C)

MOLDED PVC HOOD
AND STRAIN RELIEF
LIGHT GRAY (PANTONE 400C)

HOUSING: ABS, UL94V-0
FINISH: CHROME.

PIN 1

(.75 [19])

(1.142 [29])

(1.40 [35.5])

"J1"

USB SERIES "A" RECEPTACLE
BULKHEAD ADAPTOR
CONTACTS: 30 μINCHES
GOLD PLATING

WIRE MAP

"J1"

"P1"

1 2 3 4

1 2 3 4

S S

J1 J2 J3

2 3 4

SHIELD SHIELD

PIN 1

"P1"

USB SERIES "B" PLUG
CONTACTS: 30 μINCHES
GOLD PLATING

2X #4-40 UNC-2B

.900 [22.9]

1.142 [29]

.675 [17.1]

RECOMMENDED
PANEL CUTOUT

PART NUMBER	LENGTH	
	IN	MM
TSJ-USB-AB-12	12.0	[304.8]
TSJ-USB-AB-24	24.0	[609.6]
TSJ-USB-AB-36	36.0	[914.4]
TSJ-USB-AB-48	48.0	[1219.2]
TSJ-USB-AB-72	72.0	[1828.8]

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X±.2 [5.08] FRACTIONS
XX±.01 [.25] ±.1/32
XXX±.005 [.13] ANGLES ±1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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DESIGN IN THIS DOCUMENT
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SHEET 1 OF 1

SCALE 2:3

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LEADING DIMENSIONS ARE INCHES
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THIRD-ANGLE PROJECTION

TRANSTECTOR
an INFINITI brand

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SIZE	CAGE	DRAWN BY	DPM	PART NUMBER	REV
A	30992			TSJ-USB-AB-XX	A

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