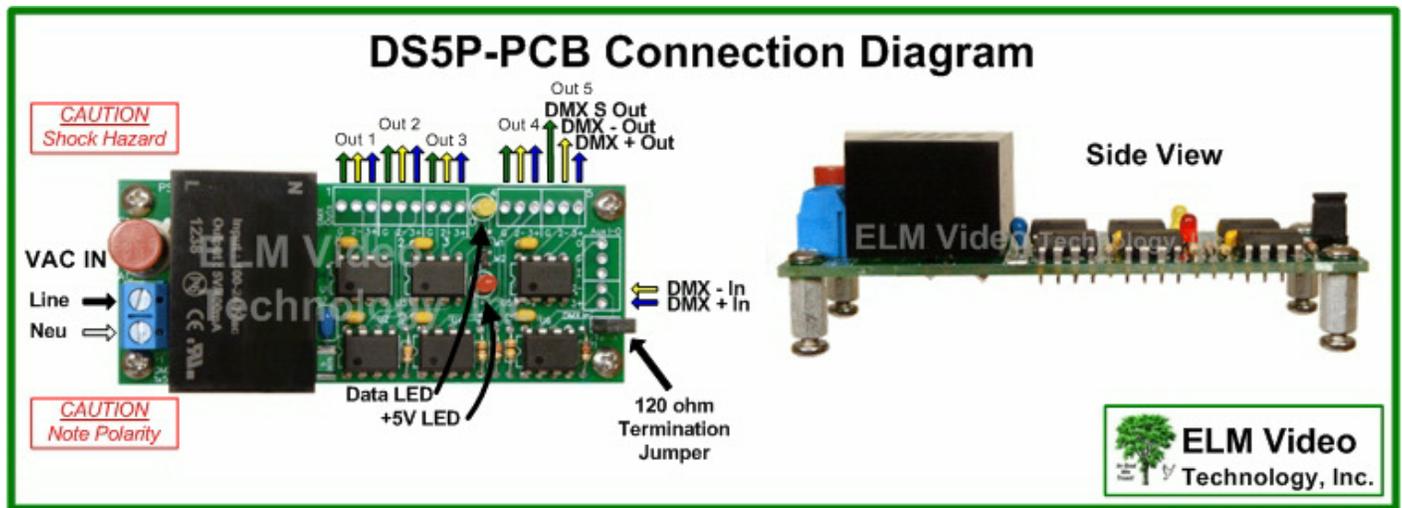


DS5-PCB

DMX512 1x5 Splitter Users Guide

The DS5 is a DMX512 1 in 5 out splitter that takes a DMX512 output of a lighting console or any device that transmits a DMX512 signal and actively splits the signal providing 5 separate DMX512 outputs, and offers electronic protection by separating the input device and output devices using a *Transient Voltage Suppression* chip. Field serviceable: socketed IC's for easy replacement, standard IC's available from many electronic parts suppliers, replaceable power supply, standard 5 x 20mm PCB fuse. Power LED indicating power is present and 'Active' LED indicating DMX signal is present. If the optional onboard 5V power supply is installed the PCB requires a 120VAC input. If an onboard power supply is not installed a 5V power source is required to power the PCB.



SPECIFICATIONS

POWER INPUT:	120 VAC 60hz
AC FUSE:	1 Amp Slow Blow TR5
AC VOLTAGE:	120 VAC
AC CURRENT:	55mA Max @ 120VAC under full load
AC Inrush Current:	<0.5ms 30/60A max
+5VDC POWER:	Apx 375mA at full load (5 outputs sourcing 32 loads each)
DATA TYPE:	DMX512 (250Khz)
DATA INPUT:	DMX512 - Pin 1 - (Shield) Not connected, Pin 2 Data -, Pin 3 Data +,
DATA OUTPUT:	5 Independent DMX512 outputs - Pin 1 - Power supply common, Pin 2 Data -, Pin 3 Data +
DIMENSIONS:	With Power Supply Dimensions: 1.3" L x 3.4" W x 1.16" H (including .375" standoffs)
	W/o Power Supply Dimensions: 1.3" L x 3.4" W x .76" H (including .375" standoffs)