

Features

- Easy integration for 2x8/8x8 DSP
- High quality Neutrik XLR
- Sample Rate Conversion

Hardware

- Analog Devices SRC4382
- Asynchronous Sample rate converter (ASRC) allows wide range of digital signal (up to 216kHz)
- SPDIF/Toslink/AES-EBU input
- SPDIF & Toslink + AES-EBU outputs
- USB type B connector to header
- Isolation transformers on inputs& outputs

Software Control

- Input source selection from either plug-in and/or front panel remote
- Plug & Play discovery on 2x8/8x8 platforms

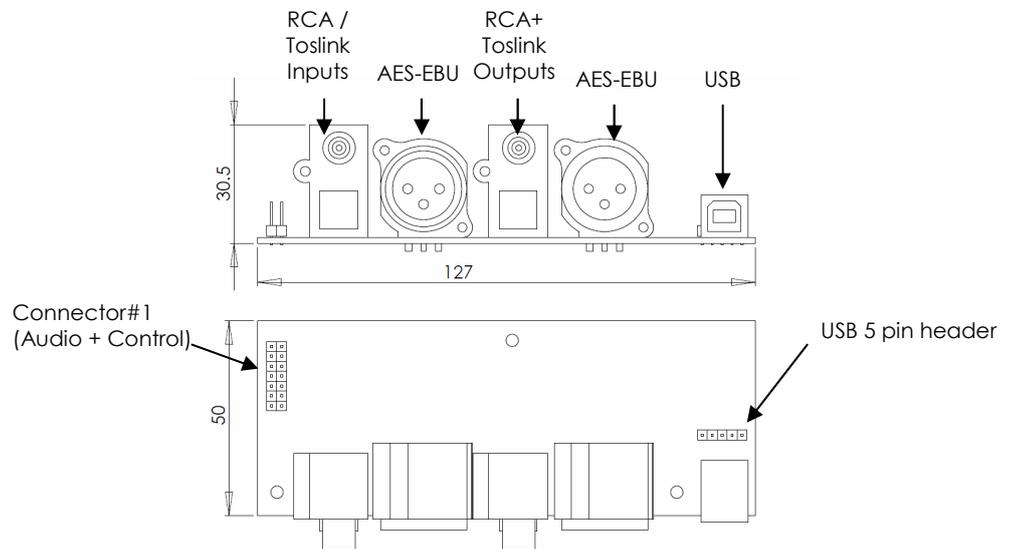
Power

- Powered from single header on connector#2

Applications

- MiniDSP 2x8/8x8 I/O expansion
- DIY audio projects

The **DIGI-FP** is an SPDIF/Toslink/AES-EBU to I2S interface providing digital audio input & output connectivity for miniDSP 2x8/8x8 kits. Based on the award-winning TI/Burr & Brown IC (SRC4382), the board is compatible with miniDSP 2x8/8x8 and miniSHARC platform. Source selection and correct sample rate are automatically configured from the miniDSP 2x8/8x8 platforms. A spare USB connector is provided for easy front panel configuration.



TECHNICAL SPECIFICATIONS

Item	Description
Digital Audio inputs	1 x SPDIF on RCA connector, 1 x Optical input on Toslink connector 1 x AES-EBU on balanced XLR Neutrik connector
Digital Audio outputs (all active)	1 x SPDIF on RCA connector 1x Toslink optical output 1x AES-EBU on balanced XLR Neutrik connector
Sample rate converter	Up/Down sample digital audio input signal to the correct plug-in sample rate (48/96kHz) based on running configuration (4x10/10x10)
Data resolution	Up to 24 bits
Dynamic range	128dB
THD + N (Full scale input)	- 124dB
Maximum Input Sample Rate	Up to 216kHz
SPDIF Transformer Isolation	Isolation transformer for both inputs and outputs Improves common mode noise rejection, impedance matching, isolation from ground loops and short circuit protection
USB port type B	USB port for external connectivity. Link to 5pin header on connector #2
Power supply	Provided by miniDSP 2x8/8x8 from connector #1
Dimensions (H x W x D)	125mm x 53mm