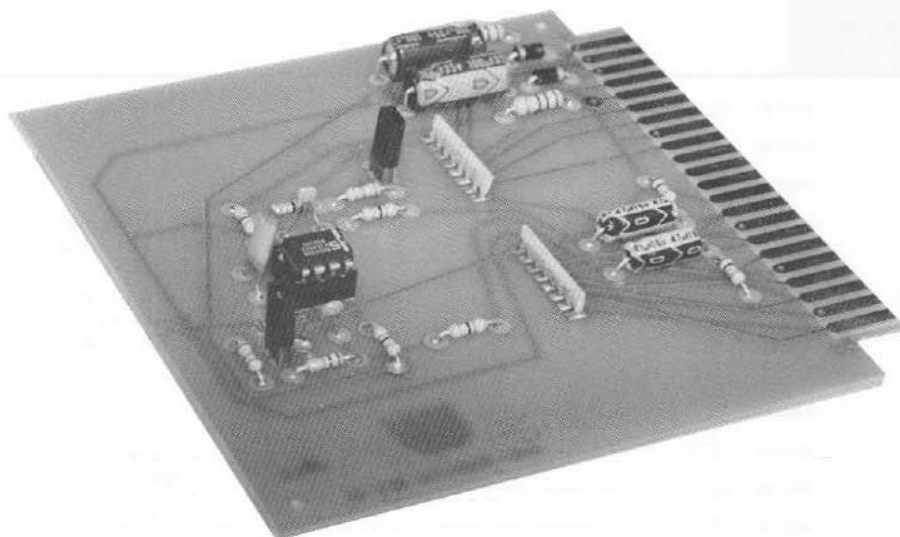


USI AUDIO

TM

3142-SA/2C Fourteen Input Two Channel Summing Amplifier for DME-3000 System



Product Data

- Mixes fourteen line level inputs
- Accommodates stereo applications (two separate channels of summing)
- Jumper to set overall gain for the card at 0 dB or +10 dB
- For use with the USI Audio DME-3000 Series modules and chassis

Specifications:

Input Impedance	(All inputs) 10K Ω
Output Level (Unbalanced)	
+16 dBm	600 Ω load $\pm$ 12 VDC
+18 dB	10K Ω load
+18 dBm	600 Ω load $\pm$ 15 VDC
+20 dB	10K Ω load
Frequency Response	20 Hz - 50 kHz, $\pm$ 0.5 dB at Max output, 600 Ω load
Harmonic Distortion	<0.03% @ +18 dBm and 600 Ω load
Signal to Noise	-88 dB (-120 dBm E.I.N.) @ +18 dBm and 600 Ω
Dimensions	4.25" x 4.375" x 0.75" (10.8cm x 11.1cm x 1.9cm)
Power Requirements	$\pm$ 12-15 VDC 20 mA @ $\pm$ 12VDC Max 22 mA @ $\pm$ 15VDC Max
Net Weight	0.13 lbs. (0.06 kg)
Shipping Weight	1 lbs. (0.45 kg)

Description

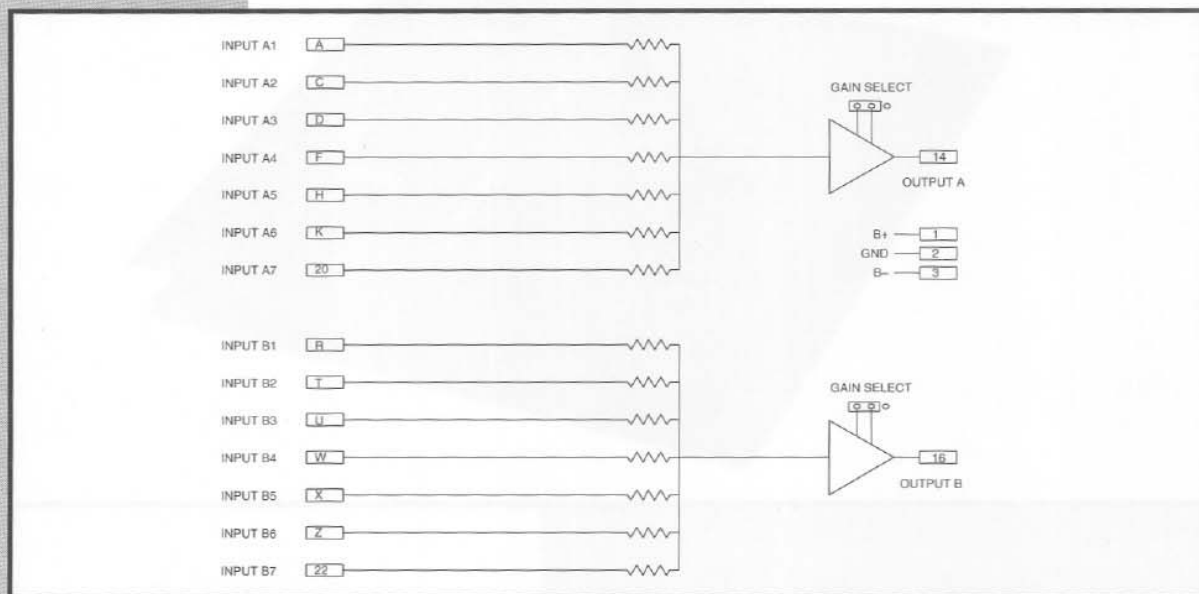
The USI Audio Model 3142-SA/2C is a multipurpose audio processor designed for use in custom audio applications. It provides high performance in a cost effective package which can be fabricated into a system with minimum shop and field labor.

The 3142-SA/2C provides two separate channels of summing. Each channel has seven unbalanced line level inputs combined on a summing

bus into a single unbalanced output. Output gain of each channel may be set via jumper to either unity or +10 dB to make up gain for consumer equipment interfacing.

The unit is designed to be used as either a stand alone card with edge connectors installed within a rack or enclosure, or with the USI Audio 3000-MF Chassis, which will accommodate up to eight cards in a 5 1/4" high rack mount.

Block Diagram



Architect's, Engineer's, and Consultant's Specifications

The card shall be a general purpose audio summing amplifier. It shall provide two separate channels of summing, and each channel will have seven unbalanced inputs summed to a single unbalanced output. The card shall include an LED

to indicate overload at the output. There shall be a jumper to select between unity and +10 dB gain. The card shall function as a stand-alone unit or with the USI Audio 3000-MF Chassis. The card shall be the USI Audio Model 3142-SA/2C.