

MOSCONI GLADEN

DSP8TO12 PRO

Specifications



ANALOG INPUTS:	8 (RCA)
ANALOG OUTPUTS:	12 (RCA)
DIGITAL INPUTS:	1 coaxial (RCA) or 1 optical (toslink) or MOS-BTS (optional) Selectable with switch
DIGITAL OUTPUTS:	no
NATIVE SAMPLE RATE:	96 kHz / 24 Bit
DSP PERFORMANCE:	294.912 MHz, 32-bit Sigma DSP 3072 SIMD instructions per sample at 96 kHz ASRCs from 1:8 up to 7.75:1 ratio and 139 dB DNR
ADC PERFORMANCE:	Burr Brown 24-Bit 107 dB Dynamic Range -93 dB THD+N
DAC PERFORMANCE:	Burr Brown 24-Bit 112 dB Dynamic range -94 dB THD+N Differential voltage output Low Level (LL) / High Level (HL) 12Kohm (LL) / 47ohm (HL) 1.2Vrms ÷ 8Vrms (LL) / 3Vrms ÷ 20Vrms (HL)
INPUT MODE:	Low Level (LL) / High Level (HL)
INPUT IMPEDANCE:	12Kohm (LL) / 47ohm (HL)
INPUT SENSITIVITY:	1.2Vrms ÷ 8Vrms (LL) / 3Vrms ÷ 20Vrms (HL)
INPUT REGULATION:	-16.5dB ÷ 0dB
MAX OUTPUT SIGNAL:	8Vrms
OUTPUT IMPEDANCE:	56 ohm
HARDWARE MUTE:	no
S/N RATIO:	>100dB "A"
THD DISTORTION:	<0.003% @ 4Vrms
FREQUENCY RESPONSE:	10Hz ÷ 40KHz
CHANNEL SEPARATION:	>90dB (@ 100Hz)
CHANNEL SEPARATION:	>90dB (@ 1KHz)
CHANNEL SEPARATION:	>70dB (@ 10KHz)
SUPPLY VOLTAGE:	10V ÷ 16V (6V tolerant to sustain engine crank)
DC-DC CONVERTER:	transformer coupled, Current-Mode, Flyback converter
CONVERSION FREQUENCY:	52KHz
AUTOSENSE:	OFF / BTL / SE
SEPARATE REMOTE OUT:	yes, 100mA max. (protected)
COMMUNICATION:	USB, RCD/RC-MINI (optional), MOS-BTM (optional), RTC-HUB (optional)
MISCELLANEOUS:	Gold finishing PCB