

# MOSCONI GLADEN DSP8TO12 AEROSPACE

## Specifications



<b>ANALOG INPUTS:</b>	<b>8 (RCA)</b>
<b>ANALOG OUTPUTS:</b>	<b>12 (RCA)</b>
<b>DIGITAL INPUTS:</b>	<b>1 coaxial (RCA), 1 optical (toslink), MOS-BTS (optional)</b>
<b>DIGITAL OUTPUTS:</b>	<b>1 optical (toslink)</b>
<b>NATIVE SAMPLE RATE:</b>	<b>192 KHz / 24-bit</b>
<b>DSP PERFORMANCE:</b>	<b>294.912 MHz, 32-bit SigmaDSP 1536 SIMD instructions per sample at 192 kHz ASRCs from 1:8 up to 7.75:1 ratio and 139 dB DNR Advanced Multi-bit Delta-Sigma Architecture 24-Bit Conversion 114 dB Dynamic Range -105 dB THD+N</b>
<b>ADC PERFORMANCE:</b>	<b>118 dB Dynamic Range -98 dB THD+N Differential voltage output</b>
<b>DAC PERFORMANCE:</b>	<b>Low Level (LL) / High Level (HL) 12Kohm (LL) / 47ohm (HL) 1.2Vrms ÷ 8Vrms (LL) / 3Vrms ÷ 20Vrms (HL) -16.5dB ÷ 0dB 8Vrms 600 ohm yes</b>
<b>INPUT MODE:</b>	<b>&gt;102dB "A" (typ. 105dB "A")</b>
<b>INPUT IMPEDANCE:</b>	<b>&lt;0.003% @ 4Vrms</b>
<b>INPUT SENSITIVITY:</b>	<b>10Hz ÷ 63KHz</b>
<b>INPUT REGULATION:</b>	<b>&gt;90dB (@ 100Hz)</b>
<b>MAX OUTPUT SIGNAL:</b>	<b>&gt;90dB (@ 1KHz)</b>
<b>OUTPUT IMPEDANCE:</b>	<b>&gt;80dB (@ 10KHz)</b>
<b>HARDWARE MUTE:</b>	
<b>S/N RATIO:</b>	
<b>THD DISTORTION:</b>	
<b>FREQUENCY RESPONSE:</b>	
<b>CHANNEL SEPARATION:</b>	
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<b>SUPPLY VOLTAGE:</b>	<b>10V ÷ 16V (6V tolerant to sustain engine crank)</b>
<b>CURRENT CONSUMPTION:</b>	<b>0.9A @ 12V</b>
<b>DC-DC CONVERTER:</b>	<b>transformer coupled, Current-Mode, Flyback converter</b>
<b>CONVERSION FREQUENCY:</b>	<b>52KHz</b>
<b>AUTOSENSE:</b>	<b>OFF / BTL / SE</b>
<b>SEPARATE REMOTE OUT:</b>	<b>yes</b>
<b>REMOTE CURRENT:</b>	<b>100mA max (Internally limited)</b>
<b>COMMUNICATION:</b>	<b>USB, RCD/RC-MINI (optional), MOS-BTM (optional).</b>
<b>MISCELLANEOUS:</b>	<b>Gold finishing PCB</b>