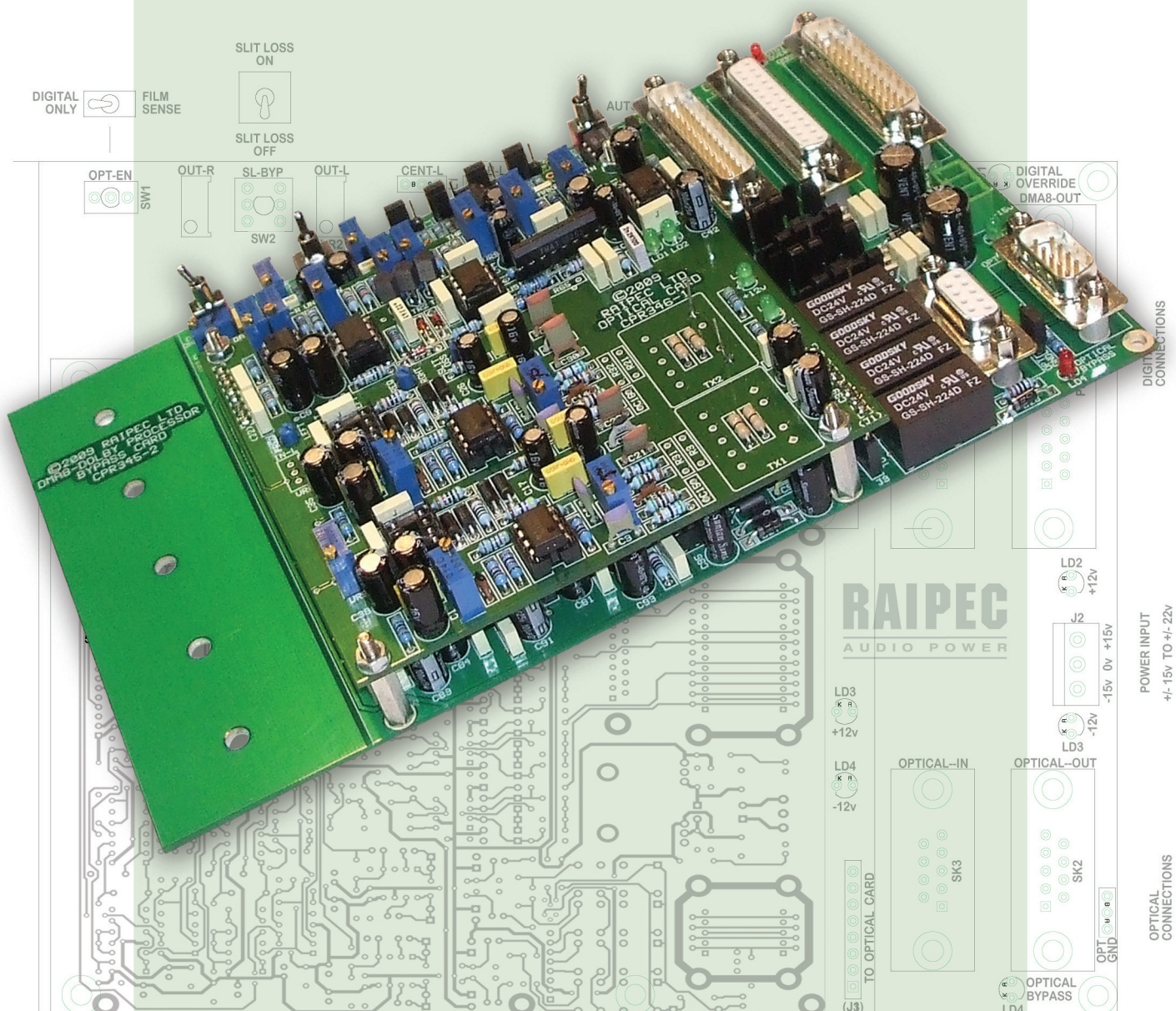


RAIPEC

AUDIO POWER

Dolby® Digital Bypass Card

The Dolby® Digital Bypass Card allows decoded analogue audio from Digital Servers, DMA8 and DMA8+ 's to be replayed via the optical input path of Dolby® Processors when the Processor is in bypass.



- Audio Inputs: 25W D-Socket
- Optical Input: 9W D-Socket
- Audio Output: 25W D-Plug
- Optical Output: 9W D-Plug
- Routing
- Automation
- 'Optical Card' with 'Film sense Override'

Audio Inputs: 25W D-Socket

Balanced high impedance line-level Left, Centre, Right and Subwoofer inputs. Channels configured as 1/2 – Left/Right and 3/4 – Centre/Subwoofer. All channels 1 to 8 linked to audio output.

Optical Input: 9W D-Socket**[Not used for digital only installation]**

Analogue optical input from stereo solar cell or reverse scan LED preamplifier. All pins connected 1:1 to output when card not in use.

Audio Output: 25W D-Plug

All lines on input connector connected 1:1 to output. No switching or buffering

Optical Output: 9W D-Plug

Balanced optical level Left and Right outputs (current source). Switching via relays selects either 'bypass unit' or 'optical input', the default being optical.

Filters

Switchable In/Out anti-slit loss correction filters to compensate for processors that apply slit-loss boost.

Routing

Centre, Subwoofer mix links to Left/Right outputs.

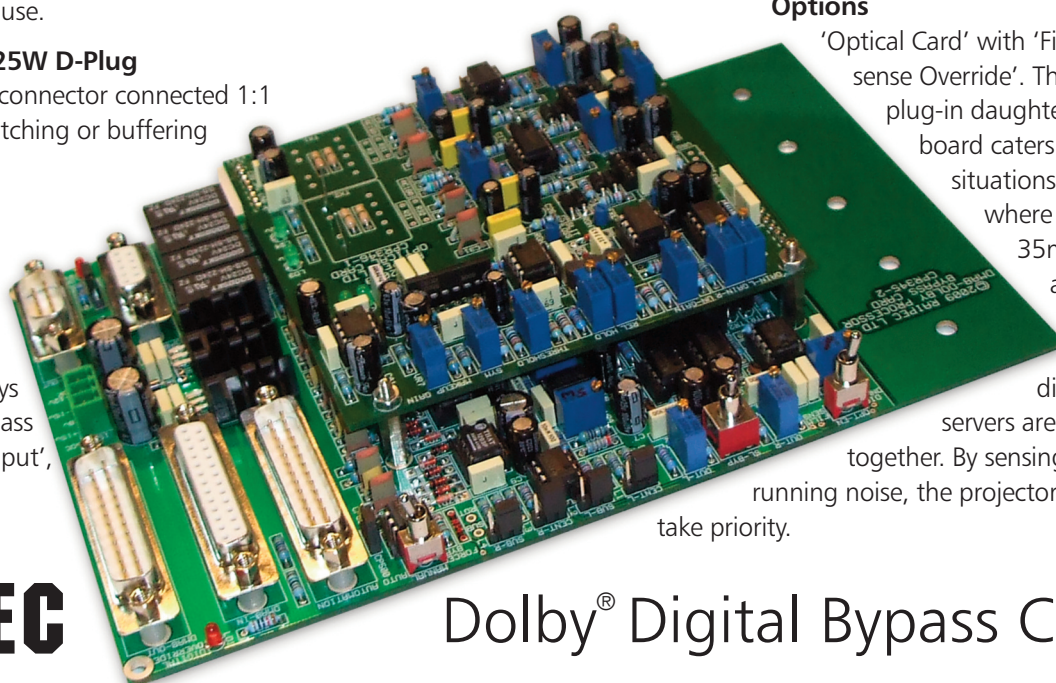
Automation

Automatic switchover via automation connector or manual override.

Options

'Optical Card' with 'Film sense Override'. This plug-in daughter board caters for situations where both 35mm and

digital servers are used together. By sensing film running noise, the projector can take priority.



RAIPEC

Dolby® Digital Bypass Card

Line Level Audio In

Input Impedance	> 10k Ω /leg balanced, diode clamped
CMRR	> 80dB
Frequency Response	20Hz – 20kHz
Max input level	+12dBu (3.0Vrms), nominal 300mV rms
Adjustments	Input trim +/-3dB Centre/Sub mix level set at -3dB to Left/Right
Channel configuration:	Ch. 1,2 Left/Right Ch.3,4 Centre/Subwoofer
Connector In	DB 25 Female
Connector Out	DB 25 Male

Optical Audio Out

Output Impedance	39k Ω /leg balanced
Max output level	24.0mV rms loaded into 130 Ω nominal 3.0mV. Current Source
Equivalent Voltage Attenuation	60dB
Noise	< 110dBu
THD+n (80kHz)	< 0.01% @ 300mV input
Make-up gain	+/-10dB
Channels	Left, Right
Connector Out	DB 9 Male
Connector In	DB 9 Female [Unused for 'digital' only]

Control

Control Pins	Pin 13. +12V/+5Vdc sensitivity selectable, opto-isolated Pin 12. 0Vdc
Connector	DB 25 Female
Switch	Manual override

Slit Loss

Sweep frequency	5kHz – 20kHz
Cut depth	0 to -16dB
Switch	In/Out

Power

Power Input	+/-15Vdc @ 300mA max
Power consumption	9W

Environmental

Operating temperature	0°C to 50°C
Relative Humidity	5% - 90% relative humidity, non-condensing

Dimensions

Dimension (WxHxD)	210mm x 132mm x 25mm 210mm x 132mm x 35mm with Optical card
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Weight

Weight (net)	140g 160g with Optical card
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Optical Card (Optional)

Optical sensitivity	Adjustable +/-7dB
Film sense threshold	-40dB below 300mV, adjustable 14dB

Reference

300mV = -20dBfs



Dolby is a registered trade name of Dolby Laboratories



Designed and manufactured in the UK.

RAIPEC

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Specification subject to change without prior notice.