The 7700ADA6-EQ-L is an equalizing 1x6 Analog Distribution Amplifier. The 7700ADA6-EQ-L features one balanced equalized input, one passive looping output and six outputs. The module has been designed to distribute a wide range of analog video signals. It can also distribute other pulses and signals that are less than 2V p-p.

#### Features & Benefits

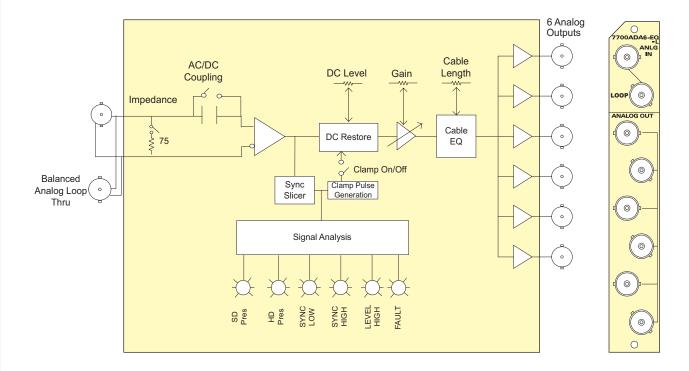
#### Passive loop thru

- Gain control
- High common mode range and common mode rejection ratio (CMRR)
- Jumper selectable AC or DC coupling
- Jumper selectable fast or slow back porch clamp

The 7700ADA6-EQ-L occupies one card slot and can be housed in a 1RU frame which will hold up to 3 modules, a 3RU frame which will hold up to 15 modules, a 350FR portable frame which will hold up to 7 modules or a standalone enclosure that will hold 1 module.

IM16052

- DC level control when clamp is enabled
- · Cable equalizer adjustment range: 0 to 300m of 8281 or 1694A
- · Consistent input impedance if card power is lost
- Module Status/Local Fault



#### Specifications

	ropecilications					
Analog Video Input:			Analog Video Outputs:		Electrical:	
	Standards:	Any analog video format, up to 2V p-p	Passive Loop:	1	Voltage:	+12V DC
		and 30MHz bandwidth	Number of Outputs:	6	Power:	1.2W
	Connector:	BNC per IEC 61169-8 Annex A	Connector:	BNC per IEC 61169-8 Annex A	EMI/RFI:	Complies with FCC Part 15, Class A
	Common mode ran	ge:	Output impedance:	75Ω		EU EMC Directive
		> 6V p-p	Gain control range:	±5dB		
CMRR: > 70dB to 1kHz		DC level: < ±100mV (with DC Coupling active		Physical (number of slots):		
	Signal amplitude:	2.5V p-p max		and back porch clamp disabled)	350FR:	1
	Cable equalizer:	0 to 300m of Belden 8281 or 1694A	Freq. Response:	< ±0.05dB no equalization (to 5.5MHz)	7700FR-C:	1
		cable	Differential Gain:	< 0.17% 0 to 300m	7800FR:	1
	Coupling:	AC or DC (jumper selectable)	Differential Phase:	< 0.19° 0 to 300m		
	Return loss:	> 40dB to 10MHz, > 30dB to 30MHz	C/L gain inequality:	< ±0.1% for all cable lengths		
	Clamp range:	> ±600mV	C/L Delay:	< ±2ns		
	Fast clamp attenuation of 60Hz:		Output isolation:	> 42dB to 10MHz, > 32dB to 30MHz		
		> 36dB	Output return loss:	> 40dB to 30MHz		
			Noise performance:	<ul> <li>&lt; -78dB RMS NTC7 weighting</li> </ul>		
	Coupling: Return loss: Clamp range:	cable AC or DC (jumper selectable) > 40dB to 10MHz, > 30dB to 30MHz > ±600mV tion of 60Hz:	Differential Gain: Differential Phase: C/L gain inequality: C/L Delay: Output isolation: Output return loss:	<ul> <li>&lt; 0.17% 0 to 300m</li> <li>&lt; 0.19° 0 to 300m</li> <li>&lt; ±0.1% for all cable lengths</li> <li>&lt; ±2ns</li> <li>&gt; 420B to 10MHz, &gt; 32dB to 30MHz</li> <li>&gt; 40dB to 30MHz</li> </ul>		1

< -70dB RMS 15kHz to 5.5MHz

#### Ordering Information

7700ADA6-EQ-L	Analog Video Distribution Amplifier with Cable Equalization and Loop Thru	Enclosures 350FR	3RU Portable Multiframe which holds up to 7 single slot modules		
Ordering Options	Rear Plate must be specified at time of order Eg: Model +3RU	7700FR-C 7800FR 7701FR S7701FR	3RU Multiframe which holds up to 15 single slot modules 3RU Multiframe which holds up to 15 single slot modules 1RU Multiframe which holds up to 3 single or dual slot modules Standalone Enclosure		
Rear Plate Suffix					
+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe				
+1RU	1RU Rear Plate for use with 7701FR Multiframe				
+SA	Standalone Enclosure Rear Plate				



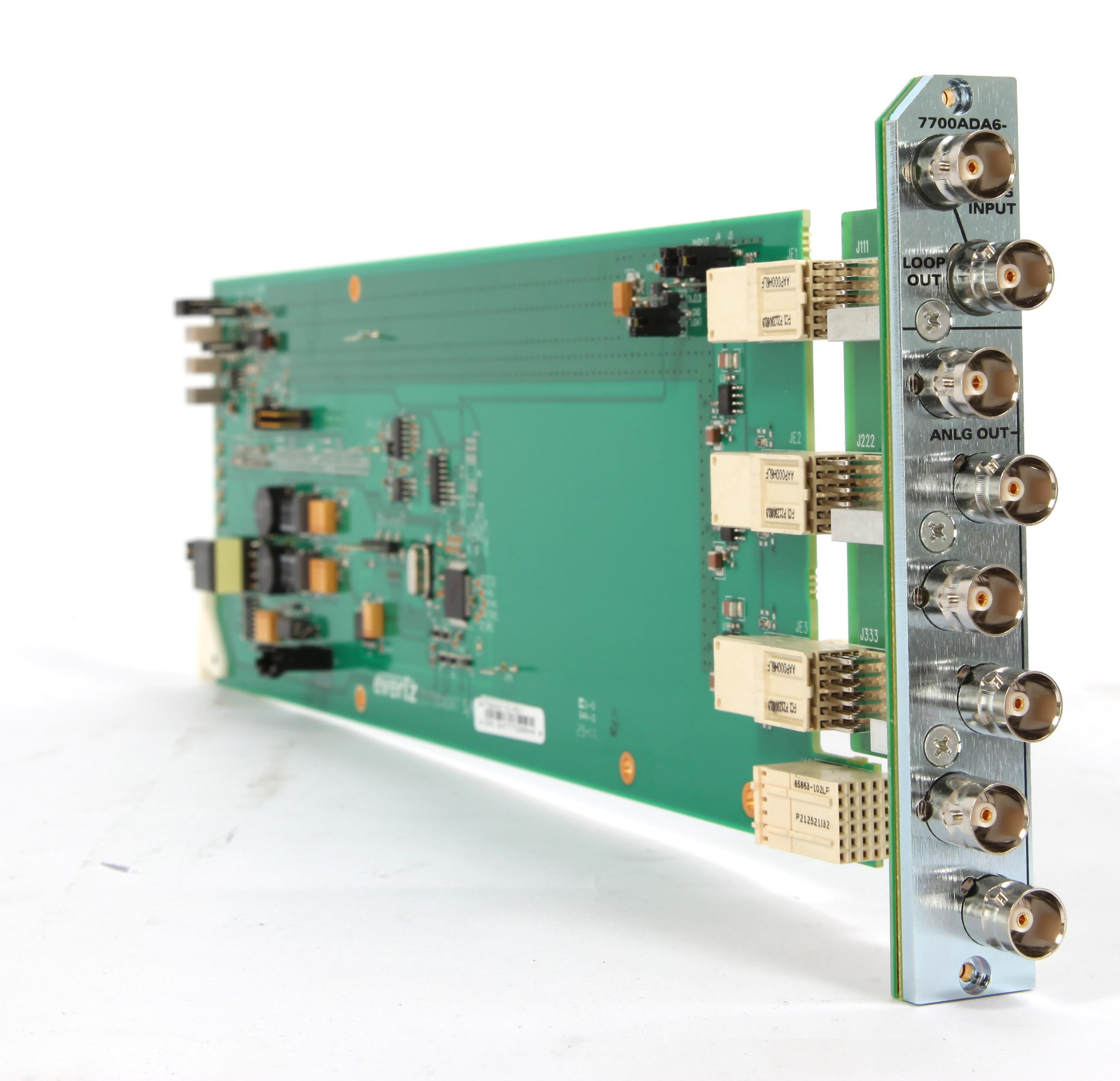
### 7700ADA6-EQ-L



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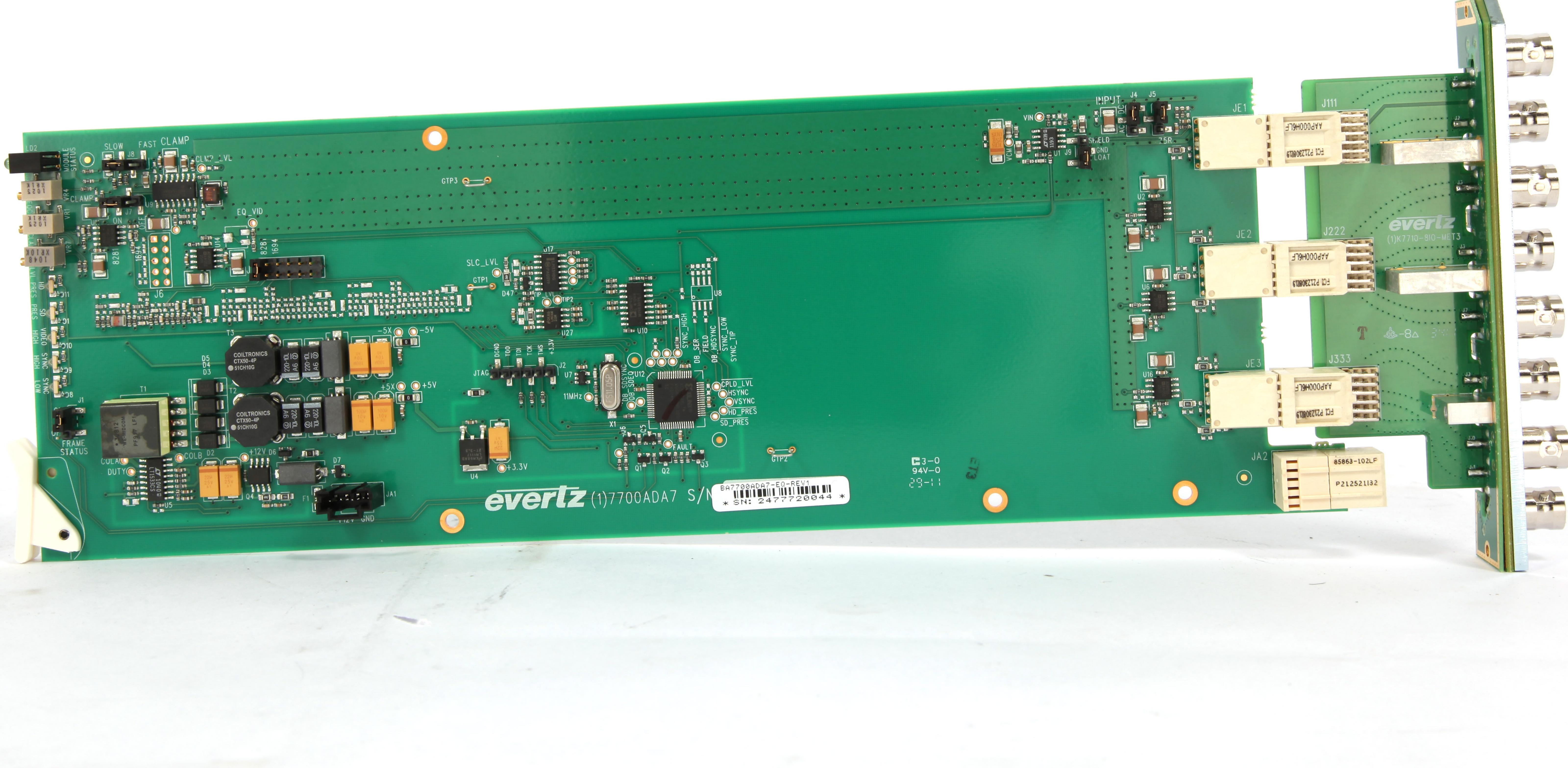


### 7700ADA6-EQ-L





#### **7700ADA6-EQ-L**

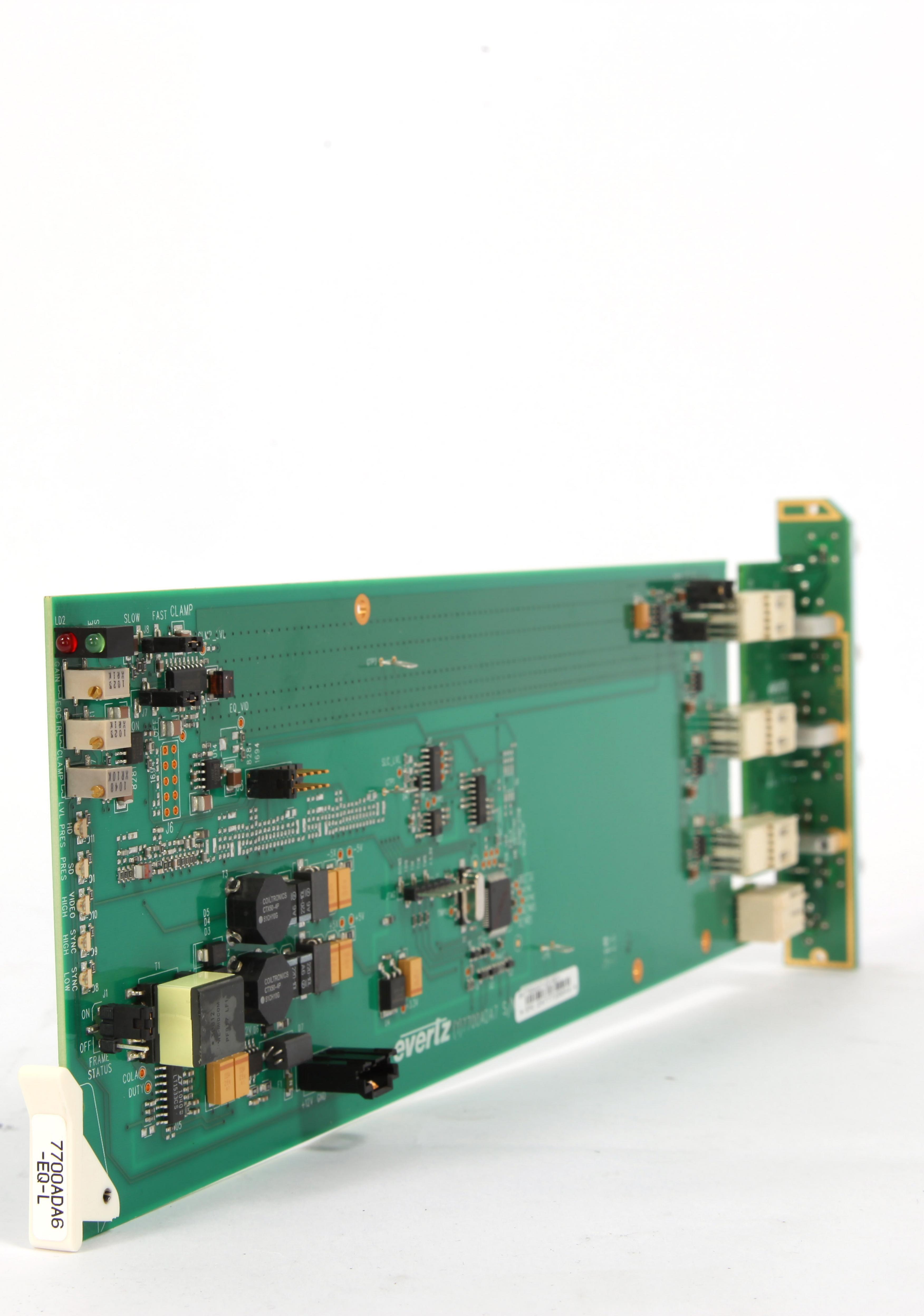


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# 7700ADA6-EQ-L

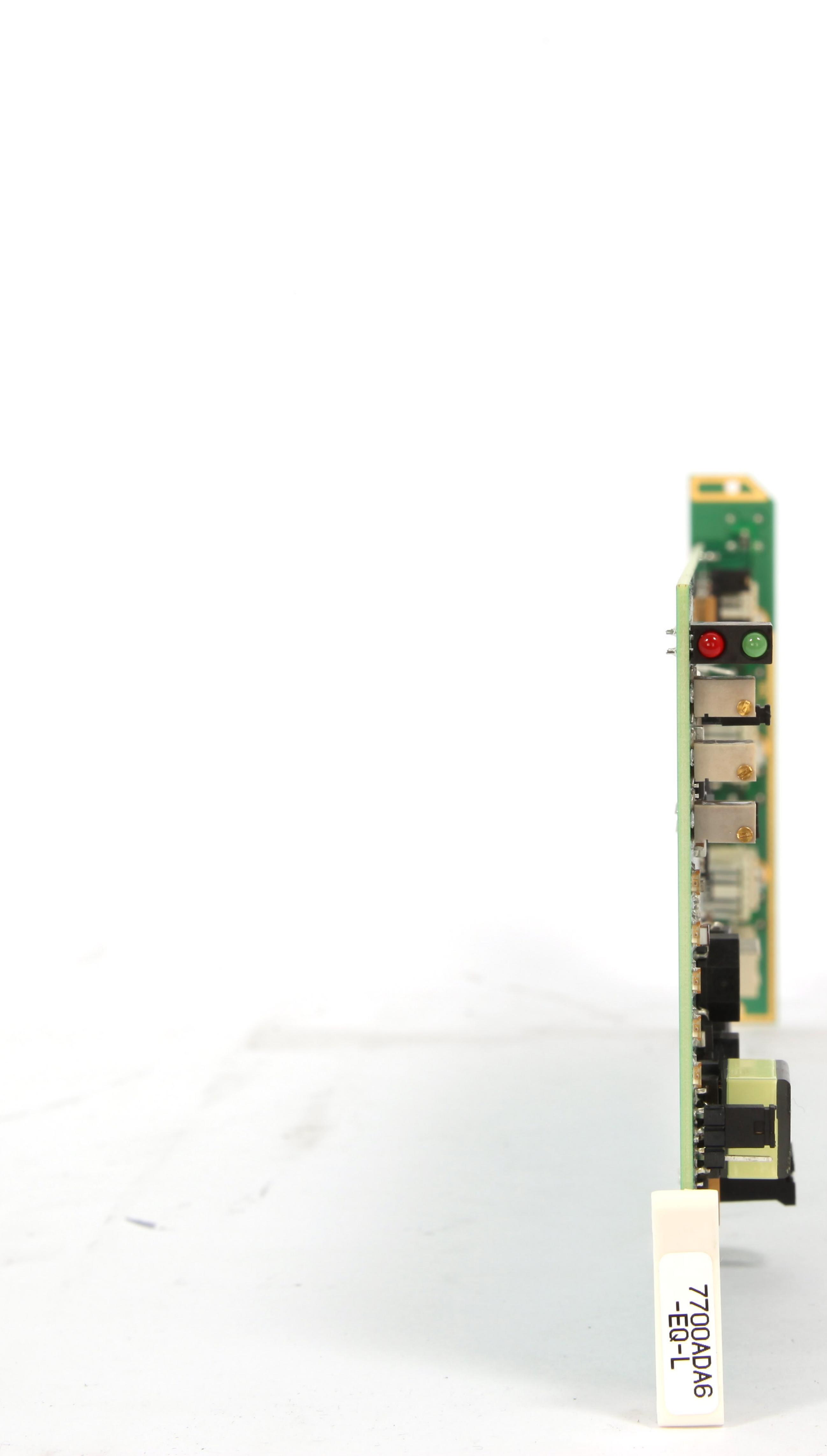
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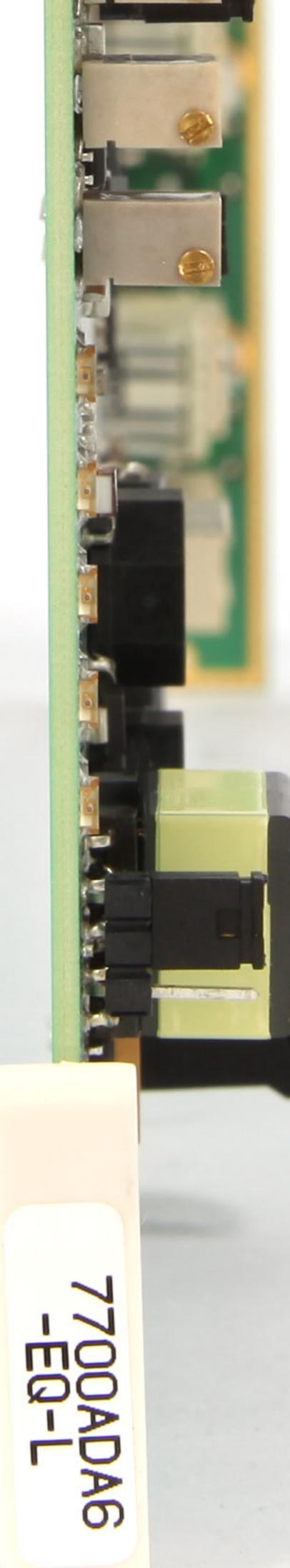




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## 7700ADA6-EQ-L



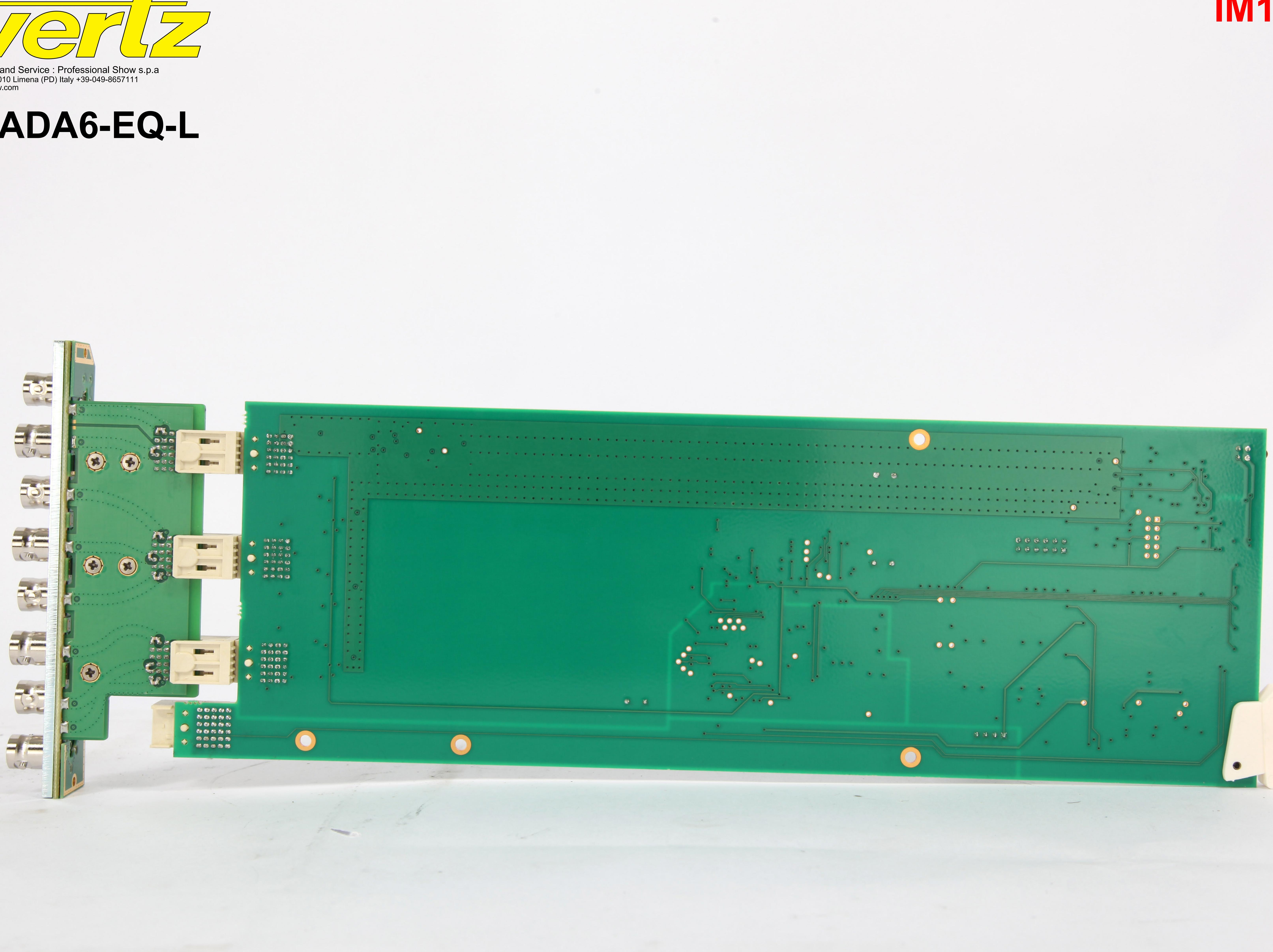


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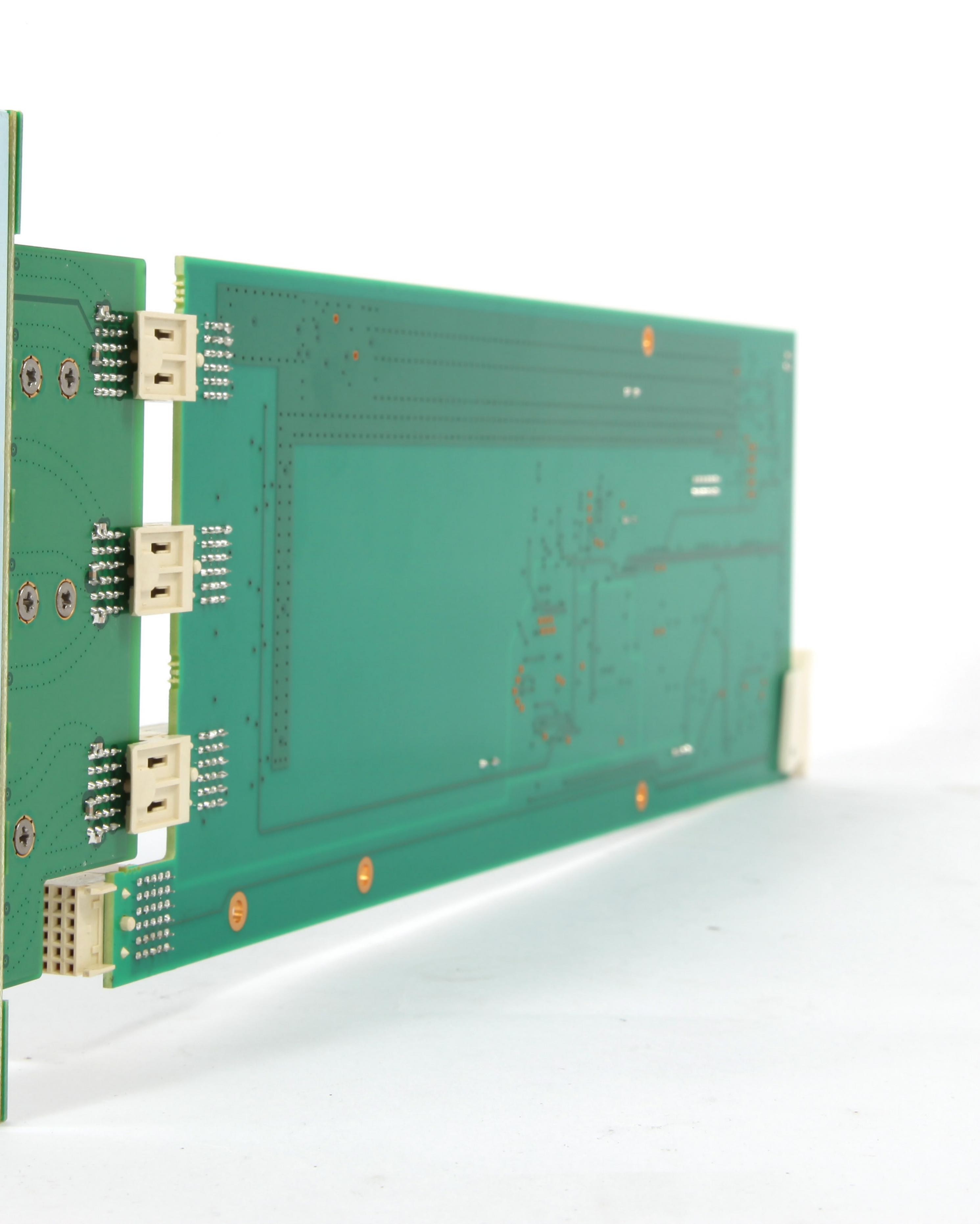


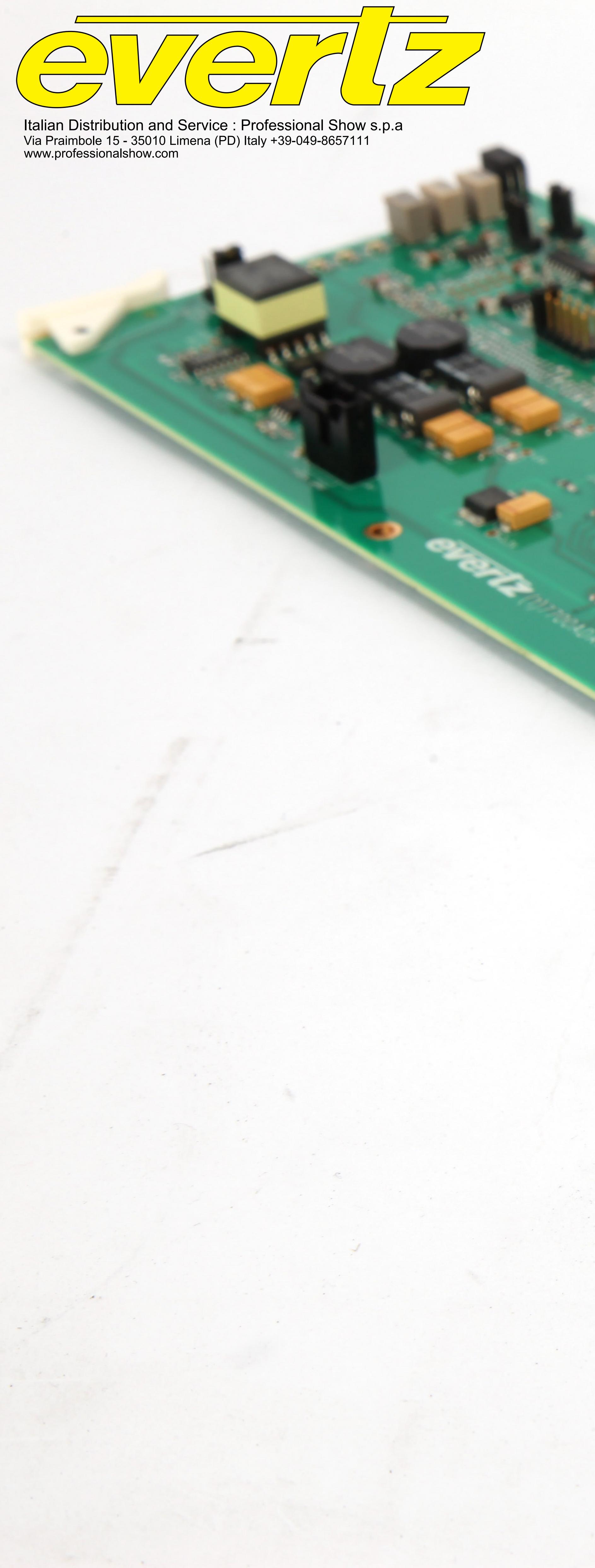
### IN160523



### 7700ADA6-EQ-L







# 7700ADA6-EQ-L

