500ADA-W

Word Clock Distribution Amplifier (1x9)

The 500ADA-W is a SDIF-2 Word Clock distribution amplifier. The input can be configured to be high impedance or terminated to 75Ω. The 500ADA-W provides continuous voltage gain adjust from -6dB to +6dB. The module supports a maximum output signal of 5V.

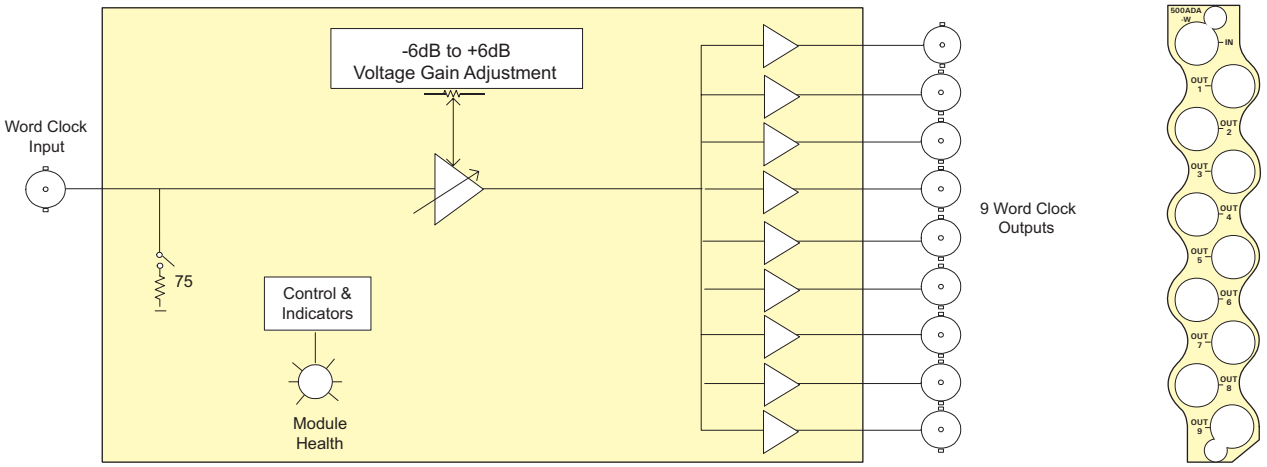
The 500ADA-W is housed in the 3RU 500FR ***exponent*** frame that will hold up to 16 modules.

Features & Benefits

- Jumper selectable 75Ω or high impedance (1kΩ typical) input
- DA has voltage gain adjustment range from -6dB to +6dB
- Outputs can drive into 75Ω loads

Card Edge LEDs

- Module status/Local Fault
- Power supply status



Specifications

Word Clock Input:

Standard:	SDIF-2 Word Clock
Number of Inputs:	1
Connector:	BNC per IEC 61169-8 Annex A
Level:	0 to 5V (terminated or unterminated)
Impedance:	Selectable 75Ω or high impedance (1kΩ typical)

Word Clock Outputs:

Number of outputs:	9
Connector:	BNC per IEC 61169-8 Annex A
Output impedance:	75Ω
Max. Output levels:	5V into 75Ω load 10V into high impedance load
Min. Output Level:	0V
Voltage Gain Range:	-6dB to +6dB
Frequency range:	28kHz-50kHz

Electrical:

Voltage:	+12V DC
Power:	1.2W
EMI/RFI:	Complies with FCC Part 15 Class A, EU EMC Directive

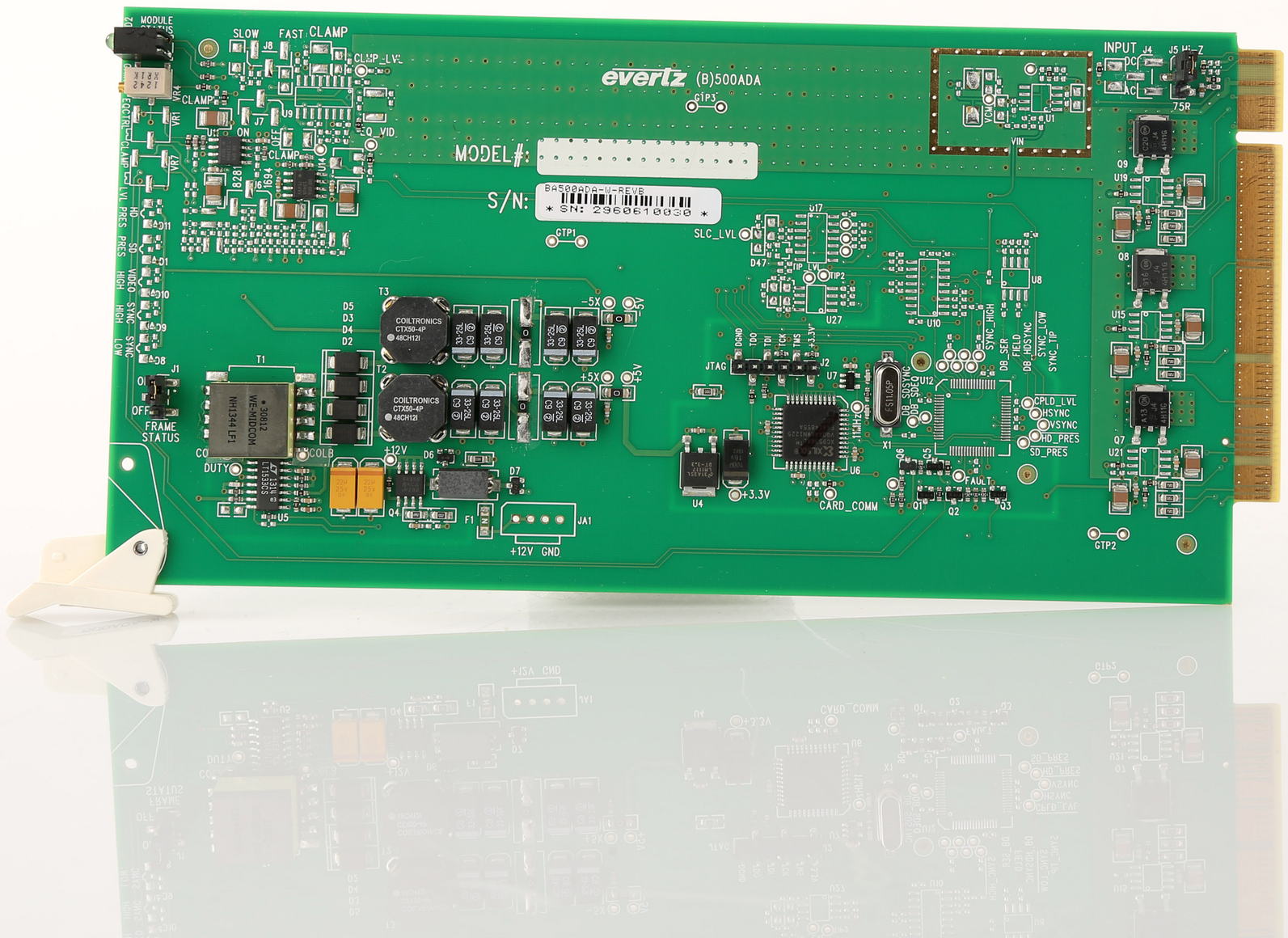
Physical:

Number of Slots:	1

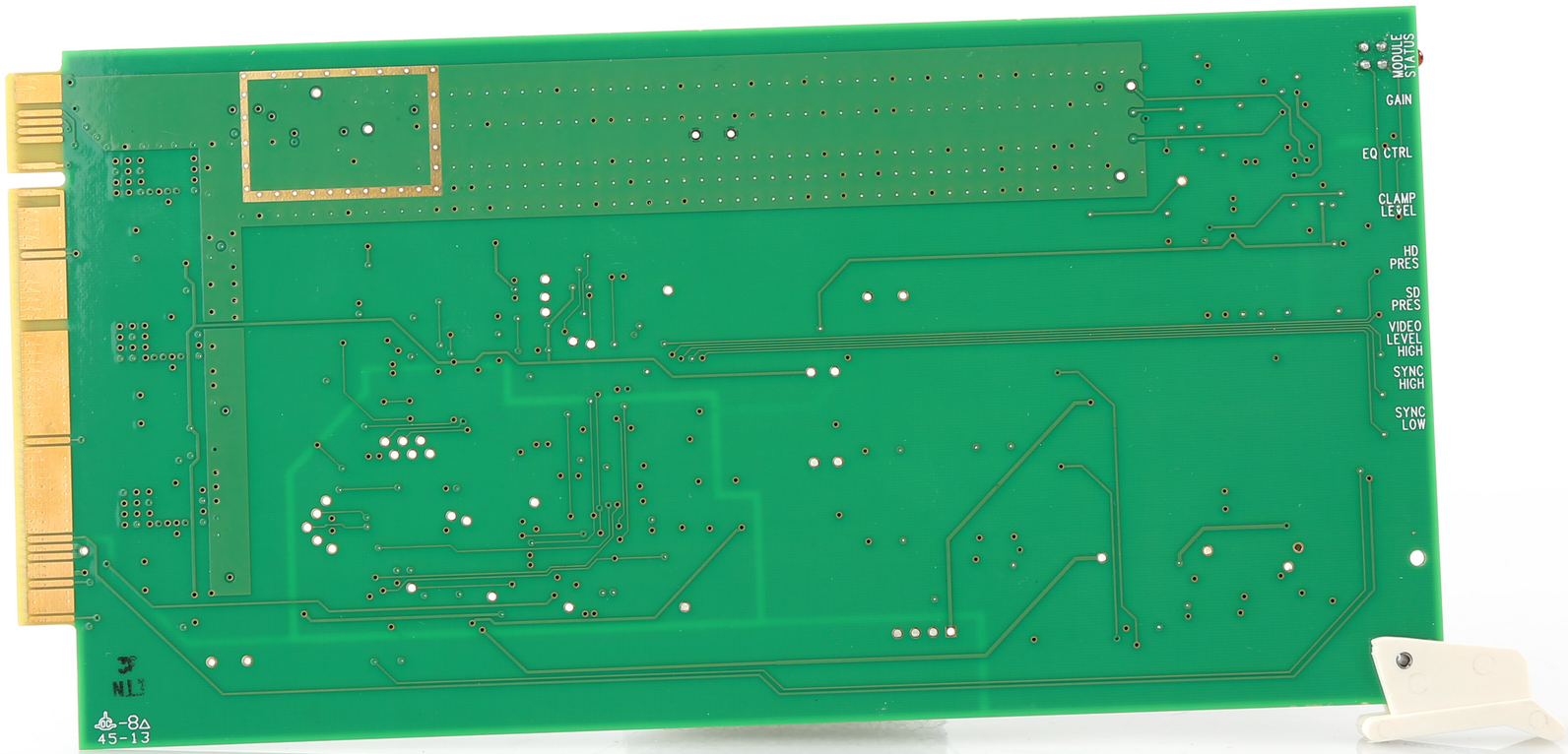
Ordering Information

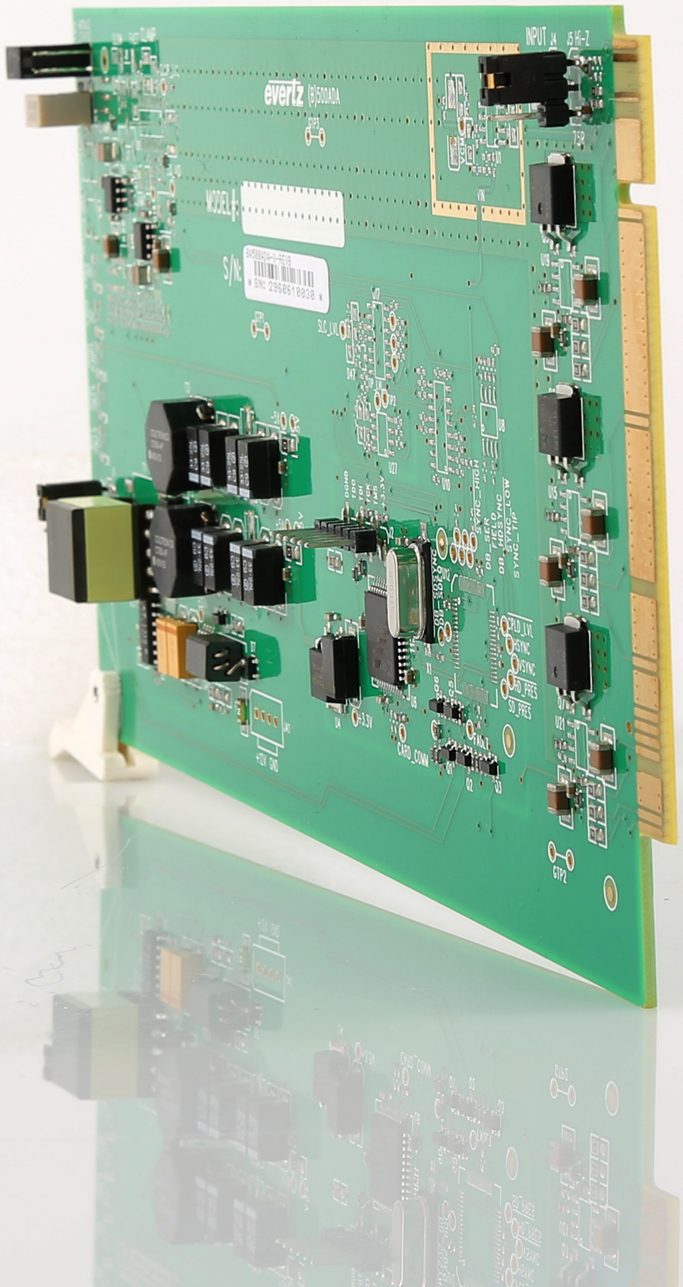
500ADA-W	Word Clock Distribution Amplifier (1x9)

Enclosures	***exponent***
500FR	Compact High Density Distribution Frame
S501FR	Standalone enclosure

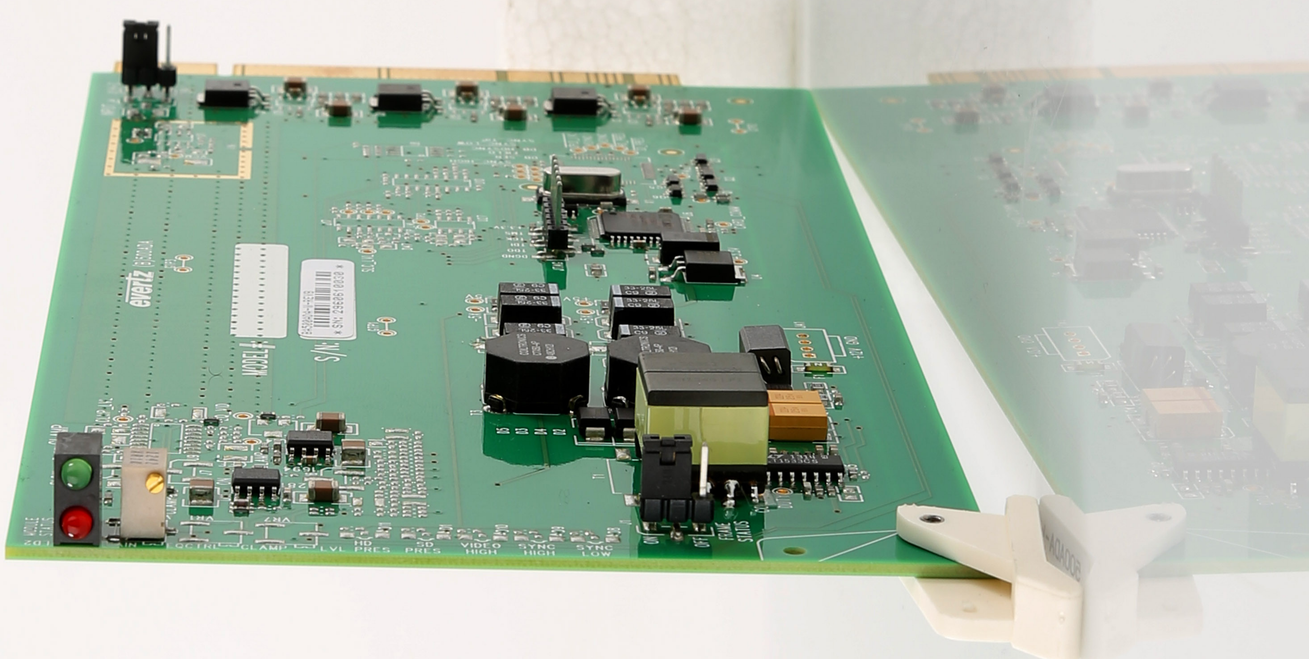


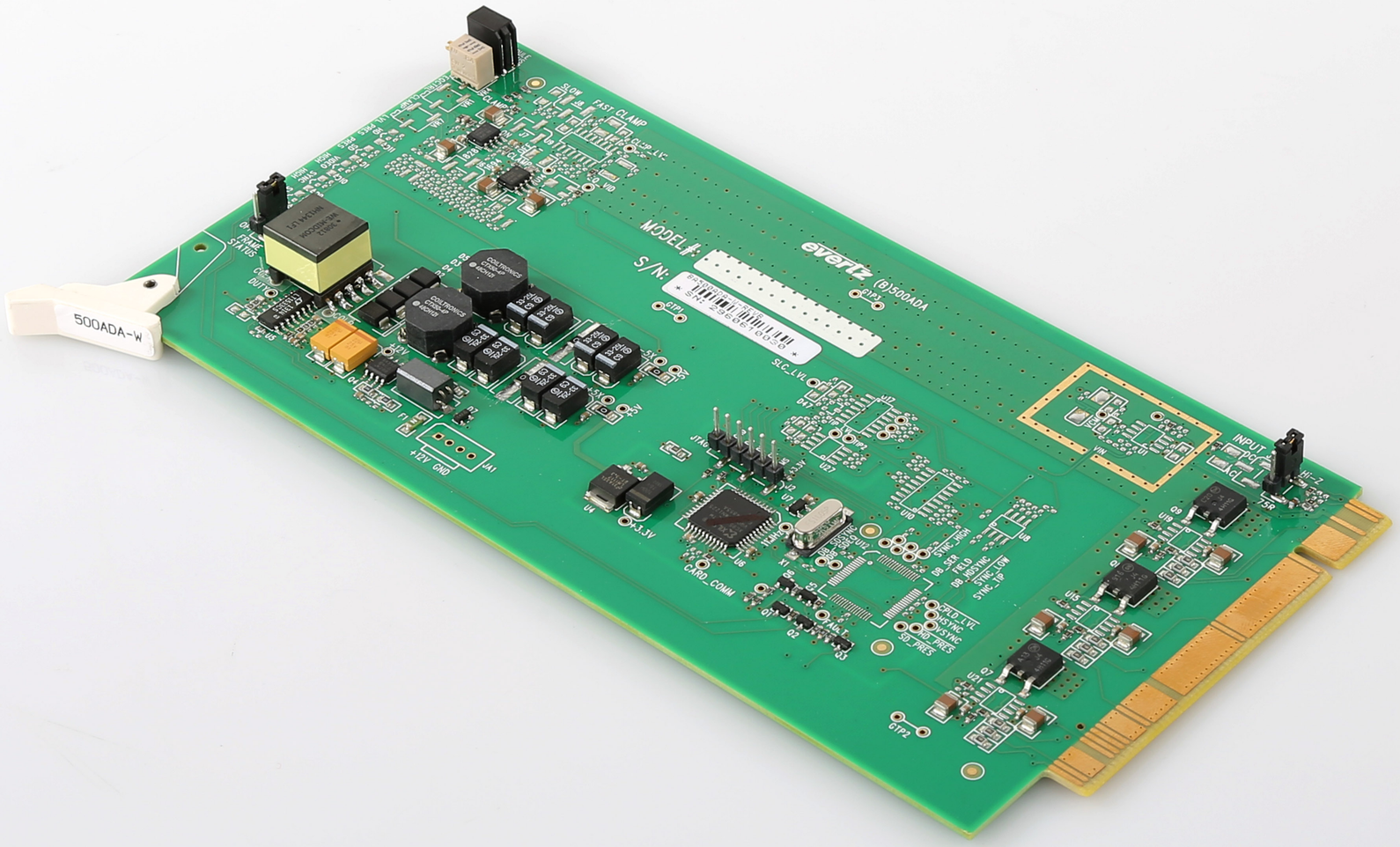
MODULE STATUS
SLOW
FAST
CLAMP
CLMP_LVL
CLAMP
ON
OFF
CLAMP
EQ_VID
EQCTRL
CLAMP
LVL
PRES
HD
SD
VIDEO
SYNC
HIGH
SYNC
HIGH
LOW
FRAME STATUS
DUTY
COLB
+12V
+12V GND
JA1
F1
Q4
U5
T1
T2
T3
COILTRONICS
CTX50-4P
48CH12I
D5
D3
D4
D2
-5X
-5V
+5X
+5V
GTP1
GTP2
GTP3
MODEL#:
S/N:
BA500ADA-W-REVB
* SN: 2960610030 *
everlz (B)500ADA
SLC_LVL
TIP_LVL
TIP2
U27
U10
U8
JTAG
U7
U12
U6
U4
+3.3V
CARD_COMM
FAULT
Q1
Q2
Q3
Q5
Q6
X1
CPLD_LVL
HSYNC
VSYNC
HD_PRES
SD_PRES
SYNC_HIGH
SYNC_LOW
SYNC_TIP
DB_SER
FIELD
DB_HDSYNC
INPUT
J4
J5
Hi-Z
75R
VIN
U1
Q9
U19
Q8
U15
Q7
U21

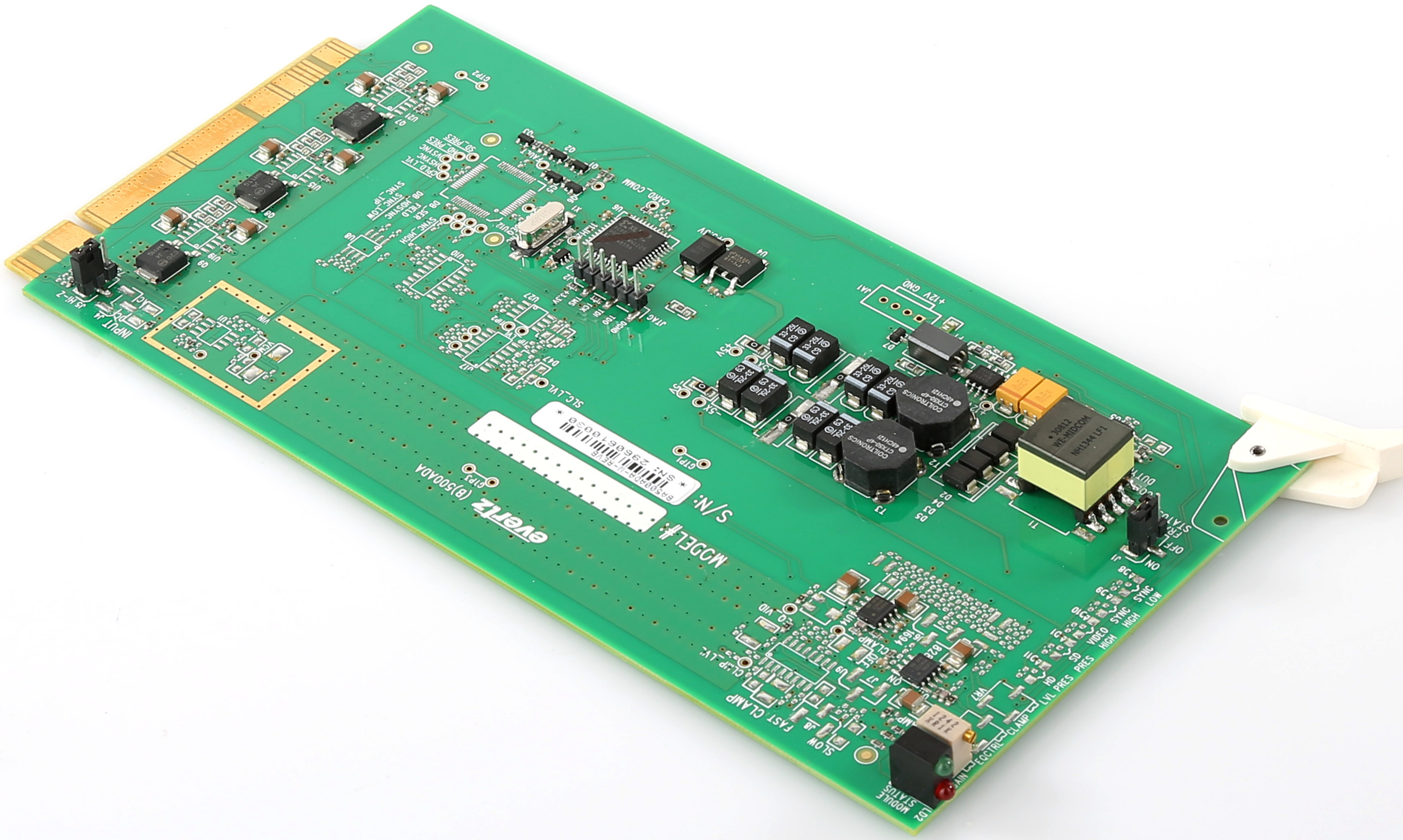

MODULE STATUS
GAIN
EQ CTRL
CLAMP LEVEL
HD PRES
SD PRES
VIDEO LEVEL HIGH
SYNC HIGH
SYNC LOW
45-13



GAIN
EQ CTRL
CLAMP LEVEL
HD PRES
SD PRES
VIDEO LEVEL HIGH
SYNC HIGH
SYNC LOW




500ADA-W
everlz
(B)500ADA
S/N:
INPUT
FAST CLAMP
SLOW
CARD_COMM
+12V GND
+3.3V
SLC_LVL
GTP1
GTP2
GTP3


S/N:
MODEL#:
evertz