Steckverbinder-Belegung HOAX 3.2

Firmware #3.0x

Tab = Schalter nach Masse (GND) / switch to ground (GND)

Taster = Button momentary switch to GND
Drehschalter = rotary switch 6 pos.

unbedingt notwendige Bedienelemente
optionale Bedienelemente
für Erweiterungen / Leslie Lizenz

Analog A (Upper)		Remarks		Analog B (Lower)		Remarks	
1	DB 16	Zugriegel	*drawbar pot, all DC controlled*	**1**	DB 16	Zugriegel	*drawbar pot, all DC controlle*
2	DB 5 1/3	Zugriegel	*drawbar pot*	**2**	DB 5 1/3	Zugriegel	*drawbar pot*
3	DB 8	Zugriegel	*drawbar pot*	**3**	DB 8	Zugriegel	*drawbar pot*
4	DB 4	Zugriegel	*drawbar pot*	**4**	DB 4	Zugriegel	*drawbar pot*
5	DB 2 2/3	Zugriegel	*drawbar pot*	**5**	DB 2 2/3	Zugriegel	*drawbar pot*
6	DB 2	Zugriegel	*drawbar pot*	**6**	DB 2	Zugriegel	*drawbar pot*
7	DB 1 3/5	Zugriegel	*drawbar pot*	**7**	DB 1 3/5	Zugriegel	*drawbar pot*
8	DB 1 1/3	Zugriegel	*drawbar pot*	**8**	DB 1 1/3	Zugriegel	*drawbar pot*
9	DB 1	Zugriegel	*drawbar pot*	**9**	DB 1	Zugriegel	*drawbar pot*
10	TONE	Klangblende, Poti	*"Tone" pot* special order	**10**	DB Bass 16	Zugriegel	*drawbar pot*
11	AMP122	Leslie Volume, Poti	*Leslie vol pot.*	**11**	DB Bass 8	Zugriegel	*drawbar pot*
12	SWELL	Fußschweller DC, Pot.	*Swell pedal*	**12**	DB Bass Sustain	Poti	*pot*
13	GND	Potis Anfang	*pots start*	**13**	GND	Potis Anfang	*pots start*
14	GND	Potis Anfang	*pots start*	**14**	GND	Potis Anfang	*pots start*
15	DB Ref 3.3+	Potis Ende	*pots end*	**15**	DB Ref 3.3+	Potis Ende	*pots end*
16	DB Ref 3.3+	Potis Ende	*pots end*	**16**	DB Ref 3.3+	Potis Ende	*pots end*

Für jede folgende Funktion kann entweder ein LED-Taster an PL7/PL11 oder ein Schalter an PL8/PL12 angeschlossen werden!
Functions controlled either by LED button connected to PL7/PL11 or by switch connected to PL8/PL12!

PL7LED buttons A		Remarks		PL11/LED buttons B		Remarks	
1	Perc On/2nd	Button or LED button		**1**	Common Preset 1	Kombinationen	*Preset combinations valid*
2	Perc Soft	Button or LED button		**2**	Common Preset 2	zulässig,	
3	Perc Fast	Button or LED button		**3**	Common Preset 3	2 Sekunden zum	*Press 2 sec to*
4	Perc 3rd	Button or LED button		**4**	Common Preset 4	Speichern drücken	*memorize*
5	Vib On Upper	Button or LED button		**5**	EFX 1	Reverb 1	
6	Vib On Lower	Button or LED button		**6**	EFX 2	Reverb 2	
7	Leslie On/Run	Button or LED button		**7**	Bass On Leslie	Pedal auf Leslie ON	
8	Leslie Fast/Slow	Button or LED button		**8**	Split 2	Bass to Lower Split	
9	Vcc 5+	LED Anode	*use 270R resistor*	**9**	Vcc 5+	LED Anode	*use 270R resistor*
10	GND	Tasten gemeins.	*Tab common*	**10**	GND	Tasten gemeins.	*Tab common*

PL8 Switch inputs A		Remarks
1	PercOn/2nd	Tab
2	PercSoft	Tab
3	PercFast	Tab
4	PercOn/3rd	Tab
5	Vib On Upper	Tab
6	Vib On Lower	Tab
7	Leslie On/Run	Tab
8	Leslie Fast/Slow	Tab
9	Vcc 5+	
10	GND	

PL12 Switch inputs B		Remarks
1	unused	do not connect
2	unused	do not connect
3	unused	do not connect
4	unused	do not connect
5	EFX 1	Reverb 1
6	EFX 2	Reverb 2
7	Bass On Leslie	Pedal auf Leslie ON
8	Split 2	Bass to Lower Split
9	Vcc 5+	
10	GND	

PL5/Switch 2 Vibrato		Remarks	
(1..5 off)	Vibrato 1	Drehschalter Pos. 1 nicht verbunden	
1	Chorus 1	Pos. 2	*rotary switch*
2	Vibrato 2	Pos. 3	*rotary switch*
3	Chorus 2	Pos. 4	*rotary switch*
4	Vibrato 3	Pos. 5	*rotary switch*
5	Chorus 3	Pos. 6	*rotary switch*
6	not used yet	Taster!	
7	not used yet	Taster!	
8	not used yet	LED Kathode	
9	Vcc 5+	LED Anode über 270R	*LED plus via 270R*
10	GND	Drehschalter gemeins.	*rot.sw. Common*

rotary switch pin 1 (V1) not connected!
Vibrato rotary switch connects to PL5

PL4 optional Display Panel, Preset Panels	
1	Encoder Phase 1
2	Encoder Phase 2
3	PD2/ActivityLED
4	PD3
5	I2C SDA
6	I2C SCL
7	GND
8	Vcc 5+
9	GND
10	Vcc 5+

Alle Schalter/Drehschalter/Taster schalten nach Masse, Pullup-R auf HOAX-Platine vorhanden
Memory-LED benötigt bei alter Platine HOAX 2 und 2.1 Vorwiderstand 270R nach Vcc 5+ !!
All Switches/Buttons/rotary switches with GND common (switch to GND)
Memory-LED needs current limiting resistor 270R inserted to Vcc 5+ on old HOAX2 and HOAX 2.1 boards!!

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