

## SEM Patchpanel: Direct 3.5mm minijack access to SEM internal inputs and outputs:

CONN. PIN	FUNCTION	Direction
A1	VCO 1 - External Modulation	Input
A2	VCO 1 - Sawtooth Waveform	Output
A3	VCO 1 - Pulse Waveform	Output
B1	VCO 1 - Control Voltage #1	Input
B2	Ground	
B3	VCO 1 - Control Voltage #2	Input
C1	VCO 1 - Sync Output	Output
C2	Ground	
C3	VCO 1 - Sync Input	Input
D1	VCO 2 - Control Voltage #1	Input
D2	Ground	
D3	VCO 2 - Control Voltage #2	Input
E1	VCO 2 - External Modulation	Input
E2	VCO 2 - Sawtooth Waveform	Output
E3	VCO 2 - Pulse Waveform	Output
F1	VCO 2 - Sync Output	Output
F2	VCA - Control Input	Input
F3	VCO 2 - Sync Input	Input
G1	LFO Trigger	Input
G2	Ground	
G3	LFO Waveform	Output
H1	VCF - Control Voltage #1	Input
H2	VCF - Control Voltage #2	Input
H3	VCF - External Modulation	Input
I1	VCA Output	Output
I2	Ground	
I3	(not used)	
J1	VCF - HiPass Signal	Output
J2	Ground	
J3	VCF - Bandpass Signal	Output
K1	Selected VCF Response	Output
K2	Ground	
K3	VCF - LowPass Signal	Output
L1	External Audio Input #1	Input
L2	Ground	
L3	(duplicate of L1 - not used)	
M1	External Audio Input #2	Input
M2	Ground	
M3	(duplicate of M1 - not used)	
X1	ENV 1 - Output	Output
X2	ENV 1 - Gate	Input
X3	ENV 1 - Trigger	Input
Y1	ENV 2 - Output	Output
Y2	ENV 2 - Gate	Input
Y3	ENV 2 - Trigger	Input

*Complete electrical specs will be provided in the User's Manual*