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SPEC ID       : QLA-BP-000000002401                                  RESONANCE     : 9.4 / 10.0 CR
ATTRIBUTED TO : Ondrej Merta & DIY Hardware Collective                  CALIBRATED    : 2026-11-08
NODE ENDPOINT : https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000002401
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Pin-Matrix Acoustic Overdrive

[THE MECHANICS:]

A semi-modular patch bay and non-linear saturation workstation designed around a 16x16 pin-matrix interface. Instead of standard 3.5mm jacks, routing is accomplished via brass conductive pins through discrete diode-clipping arrays and dual passive filter channels, delivering zero insertion latency and continuous tactile visibility across dense modulation topologies.

The core saturation path utilizes matched NOS germanium diodes and high-voltage JFET preamps biased into asymmetric overdrive. Integrated conductive touch-plates on solid European oak cheeks route performer body resistance directly to the bias network, introducing subtle organic frequency modulation and tactile flutter during live performances.

[UTILITARIAN VALUE:]

Eliminates patch cable clutter during live sets while unlocking immediate tactile saturation routing without menu navigation or digital DSP processing overhead.

[TARGET ECOSYSTEM:]

Modular synthesizers, hardware techno producers, experimental noise performers, boutique studio engineers.

INTERACTIVE 3D TERMINAL & SOVEREIGN CRAFT ECOSYSTEM LINKS

1. Inspect Live 3D Simulation, Crash-Test BOM & 1-Click Claim/Delist:
   https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000002401
2. Commission Verified Modular Sound & 3D Artisans (USD Bounties on Roily):
   https://roily-app.vercel.app/?tab=feed
3. Source Direct B2B Manufacturing & Code Execution (0% Tax on DealOff):
   https://deal-off.vercel.app/?from=qualia&title=Pin-Matrix%20Acoustic%20Overdrive&bounty=250
4. Hardware Unit-Economics Essays & Original Books by C.J. Night:
   https://cjnight.substack.com