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|||||
||| 111 ||| 99999 ||| 00000 ||| 333333 ||| 111 ||| 5555555 |||
||| 11111 ||| 99 ||| 99 ||| 00 ||| 00 ||| 333 ||| 11111 ||| 555 |||
||||| 111 ||| 9999999 ||| 00 ||| 00 ||| 333333 ||| 111 ||| 5555555 |||
||||| 111 ||| 99 ||| 00 ||| 00 ||| 333 ||| 111 ||| 555 |||
||| 1111111 ||| 999999 ||| 00000 ||| 333333 ||| 1111111 ||| 5555555 |||
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||| BLOCCO D ||| [ 1470 mA ]

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/Pressure Point

```

1 PRES -->
1 GATE -->
2 PRES -->
2 GATE -->
3 PRES -->
3 GATE -->
4 PRES -->
4 GATE -->
X VOLT --> 1 (+) Quad Inverter (TipTop Verde)
              S.PITCH Mutant Machine (Doepfer Nero)
              1 (-) M.PITCH Mutant Machine (TipTop Verde)
              WAVE MF-107A (Doepfer Nero)
Y VOLT --> 2 (+) Quad Inverter (TipTop Verde)
              M.DECAY Mutant Machine (Doepfer Nero)
              ATTACK* EG (Doepfer Grigio)
              2 (-) S.DECAY Mutant Machine (TipTop Rosso)
Z VOLT --> 3 (+) Quad Inverter (TipTop Verde)
              FREQ MF-107A (Doepfer Nero)
              FREQ MF-107B (TipTop Giallo)
              3 (-) A.DECAY Mutant Machine (TipTop Verde)
              STEPS Euclid (Doepfer Nero)

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/Brains

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CLK <-- 3 Patch-bay (Befaco Nero)
RST <--
RUN <--
DIR <--
T-GATE -->
T-CLK <--

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/Quad Inverter [D]

```

1 (+) <-- X VOLT Pressure Point (TipTop Verde)
      --> S.PITCH Mutant Machine (Doepfer Nero)
1 (-) --> M.PITCH Mutant Machine (TipTop Verde)
      --> WAVE MF-107A (Doepfer Nero)
2 (+) <-- Y VOLT Pressure Point (TipTop Verde)

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```

--> M.DECAY Mutant Machine (Doepfer Nero)
--> ATTACK* EG (Doepfer Grigio)
2 (-) --> S.DECAY Mutant Machine (TipTop Rosso)
3 (+) <-- Z VOLT Pressure Point (TipTop Verde)
--> FREQ MF-107A (Doepfer Nero)
--> FREQ MF-107B (TipTop Giallo)
3 (-) --> A.DECAY Mutant Machine (TipTop Verde)
--> STEPS Euclid (Doepfer Nero)
4 (+) <-- P.DECAY Mutant Machine (TipTop Rosso)
--> ENV MF-105M (Doepfer Nero)
--> WAVE MF-107B (Doepfer Nero)
4 (-) --> V/OCT Kick (TipTop Azzurro/Viola)
--> 2 CV Spring Reverb (Doepfer Blu/Rosso)

```

/Mutant Machine

```

TRIG <-- 4 Patch-bay (Doepfer Nero)
ACCENT <--
WAVE 1 <--
WAVE 1 -->
M.PITCH <-- 1 (-) Quad Inverter (TipTop Verde)
WAVE 2 -->
CLOCK <--
CLOCK -->
FREQ <--
ENABLE <--
M.DECAY <-- 2 (+) Quad Inverter (Doepfer Nero)
A.DECAY <-- 3 (-) Quad Inverter (TipTop Verde)
P.DECAY <-- CV Aperture (Doepfer Nero)
P.DECAY --> 4 (+) Quad Inverter (TipTop Verde)
--> ENV MF-105M (Doepfer Nero)
--> WAVE MF-107B (Doepfer Nero)
4 (-) V/OCT Kick (TipTop Blu/Viola)
2 CV Spring Reverb (Doepfer Blu/Rosso)
SNAPPY <--
S.DECAY <-- 2 (-) Quad Inverter (TipTop Rosso)
S.PITCH <-- 1 (+) Quad Inverter (Doepfer Nero)
WAVES -->
OUT --> 4 Unity Mixer (Doepfer Giallo)
NOISE -->

```

/Unity Mixer [1]

```

1 <-- Radio (Doepfer Blu)
2 <-- VCO MF-107A (TipTop Rosso)
3 <-- VCO MF-107B (TipTop Rosso)
A --> IN Delay (TipTop Verde)
4 <-- OUT Mutant Machine (Doepfer Giallo)
5 <-- OUT Kick (Doepfer Rosso/Blu)
6 <--

```

B --> IN Comb (TipTop Verde)

/Sampling Modulator

SYNC <-- 1 Patch-bay [E] (TipTop Giallo/Azzurro)
--> TRIG Euclid (Doepfer Giallo)
CLOCK -->
TRIGG --> 1 Patch-bay (Doepfer Nero)
--> TRIG Brst (TipTop Verde)
CV <--
IN <--
HOLD <--
OUT -->

/Comb

IN <-- B OUT Unity Mixer (TipTop Verde)
FREQ <-- 3 (-) Quad Inverter [E] (Doepfer Rosso/Blu)
RES <--
DAMP <-- LFO MF-103 (Doepfer Rosso/Blu)
OUT --> CH 1 Mutamix (Doepfer Blu/Grigio)

/Euclid

TRIG <-- SYNC Sampling Modulator (Doepfer Giallo)
RESET <--
LENGHT <-- 2 (-) Quad Inverter [E] (Doepfer Rosso/Blu)
STEPS <-- A.DECAY Mutant Machine (Doepfer Nero)
OUT --> 2 Patch-bay (Doepfer Nero)

/Brst

TRIG <-- TRIGG Sampling Modulator (TipTop Verde)
PULSES <--
RATE <--
OUT --> TRIG EG (TipTop Rosso)

/EG

TRIG <-- OUT Brst (TipTop Rosso)
ATTACK* <-- 2 (+) Quad Inverter (Doepfer Grigio)
DECAY <--
OUT --> KLANG Aperture (TipTop Verde)

/Delay

IN <-- A OUT Unity Mixer (TipTop Verde)
TIME <--
FDBK <--
MIX <--

OUT --> AUDIO FM-105M (TipTop Rosso)

/Aperture

KLANG <-- OUT EG (TipTop Verde)
CV <-- 2 (-) Quad Inverter [E] (TipTop Giallo/Azzurro)
IN <-- AUDIO MF-107B (TipTop Verde)
OUT --> CH 2 Mutamix (Doepfer Verde/Grigio)

/Patch-bay [D]

1 <-- TRIGG Sampling Modulator (Doepfer Nero)
2 <-- OUT Euclid (Doepfer Nero)
3 --> CLK Brains (Befaco Nero)
4 --> TRIG Mutant Machine (Doepfer Nero)
5 --> TRIG Kick (Doepfer Rosso/Blu)
6 --> RATE MF-104M (Doepfer Grigio/Rosso)
--> RATE MF-108M (TipTop Verde)
--> MOD SPEED Matter (Doepfer Giallo)

/MF-107A

AUDIO <--
FREQ <-- 3 (+) Quad Inverter (Doepfer Nero)
WAVE <-- 1 (-) Quad Inverter (Doepfer Nero)
ENV <--
FM <--
MIX <--
ENV -->
VCO --> 2 Unity Mixer (TipTop Rosso)
AUDIO --> AUDIO MF-107B (Doepfer Nero)

/MF-105M

AUDIO <-- OUT Delay (TipTop Rosso)
LFO <--
RATE <-- 2 Patch-bay [E] (Doepfer Grigio/Rosso)
STEP <--
ENV <-- 4 (+) Quad Inverter (Doepfer Nero)
LEFT --> 2 Unity Mixer [A1] (Doepfer Blu/Grigio)
RIGHT --> 5 Unity Mixer [A1] (Doepfer Blu/Grigio)

/MF-107B

AUDIO <-- AUDIO MF-107A (Doepfer Nero)
FREQ <-- FREQ MF-107A (TipTop Giallo)
WAVE <-- P.DECAY Mutant Machine (Doepfer Nero)
ENV <--
FM <--
MIX <--

ENV -->
VCO --> 3 Unity Mixer (TipTop Rosso)
AUDIO --> IN Aperture (TipTop Verde)

||| **BLOCCO E** |||||||||||||||||||||||||||||||||| [1606 mA]

/Nebulae

RECALL <--
FREEZE <--
NEXT <--
SPEED <-- 3 (+) Quad Inverter (Doepfer Grigio)
1V/OCT <-- 4 (-) Quad Inverter (Doepfer Grigio)
MIX <--
G.SIZE <--
G.RATE <--
L.START <--
L.SIZE <--
OUT --> 4 Mutamix (Doepfer Verde/Grigio)

/Matter

1 CV <-- 1+2 CV PULSES (TipTop Giallo)
(-) --> 1 RESIST (Dupont Rosso)
--> 6 TRG. (Dupont Rosso)
(+) -->
2 CV <-- 2+4 CV PULSES (TipTop Giallo)
(-) --> 2 RESIST (Dupont Arancio)
--> 17 TRG. (Dupont Arancio)
(+) -->
3 CV <-- 3 CV PULSES (TipTop Giallo)
(-) --> 3 RESIST (Dupont Giallo)
--> 20 TRG. (Dupont Giallo)
(+) -->
4 CV <-- 4 CV PULSES (TipTop Giallo)
(-) --> 4 RESIST (Dupont Verde)
--> 13 TRG. (Dupont Verde)
(+) -->
5 CV <-- 2 (+) Quad Inverter (Doepfer Nero)
(-) --> 3 TRG. (Dupont Blu)
(+) --> 5 RESIST (Dupont Blu)
--> 17 TRG. (Dupont Blu)
--> 7 TRG. (Dupont Blu)
6 CV <-- 1 (+) Quad Inverter (Doepfer Nero)
(-) --> 6 RESIST (Dupont Bianco)
--> 14 TRG. (Dupont Bianco)
(+) -->
7 CV <--
(-) -->
--> 20 TRG. (Dupont Grigio)

--> 13 TRG. (Dupont Grigio)
(+) -->
8 CV <--
(-) -->
-->
(+) -->
MOD (-) --> 2 TRG. (Dupont Viola)
MOD (+) --> 7 RESIST (Dupont Grigio)
--> 10 TRG. (Dupont Grigio)
--> 18 TRG. (Dupont Grigio)
SPEED CV <-- RATE MF-108M (Doepfer Giallo)
TRIG CV <-- 3 Patch-bay (Doepfer Giallo)
MOD CV --> 3 (+) Quad Inverter (TipTop Rosso)
FB MF-108M (Doepfer Nero)
1/OCT Nebulæ (Doepfer Grigio)
3 (-) RATE MF-103 (TipTop Verde)
SWEEP MF-103 (Doepfer Giallo)
FREQ Comb (Doepfer Rosso/Blu)
AUDIO --> 5 Mutamix (Doepfer Verde/Grigio)

/Kick

TRIG <-- 5 Patch-bay [D] (TipTop Rosso)
TONE <-- OUT Turing Machine (Doepfer Nero)
DECAY <--
V/OCT <-- 4 (-) Quad Inverter [D] (TipTop Azzurro/Viola)
OUT --> 5 Unity Mixer [D] (Doepfer Rosso/Blu)

/Bus Multiplier

A <--
1 -->
2 -->
3 -->
B <--
5 -->
6 -->
7 -->

/Mannequins

FREQ <-- LFO MF-103 (Doepfer Nero)
QUALITY <--
SPAN <-- SMOOTH Rnd (TipTop Verde)
FM <--
HIGH <-- MIX MF-104M (Doepfer Giallo)
CENTER <--
LOW <-- MIX MF-108M (Doepfer Nero)
ALL <--
HIGH -->

CENTER -->
LOW -->
ALL --> AUDIO MF-103 (Doepfer Giallo)

/Quad Inverter [E]

1 (+) <-- ENV Ears (TipTop Rosso)
6 CV Matter (Doepfer Nero)
1 (-) -->
2 (+) <-- OUT Turing Machine (TipTop Verde)
5 CV Matter (Doepfer Nero)
TONE Kick (Doepfer Nero)
2 (-) --> CV Aperture (TipTop Giallo/Azzurro)
P.DECAY Mutant Machine (Doepfer Nero)
LENGHT Euclid (Doepfer Rosso/Blu)
3 (+) <-- MOD CV Matter (TipTop Rosso)
FB MF-108M (Doepfer Nero)
SPEED Nebulæ (Doepfer Grigio)
3 (-) --> RATE MF-103 (TipTop Verde)
SWEEP-2 MF-103 (Doepfer Giallo)
4 (+) <-- SMOOTH Rnd (TipTop Verde)
FB MF-104M (Doepfer Nero)
SPAN Sisters (Doepfer Giallo)
4 (-) --> CV Turing Machine (TipTop Verde)
1V/OCT Nebulæ (Doepfer Nero)

/RND

CLOCK <--
GATE --> 6 Patch-bay (Doepfer Giallo)
SMOOTH --> 4 (+) Quad Inverter (TipTop Verde)
SPAN Sisters (Doepfer Giallo)
FB MF-104M (Doepfer Nero)
4 (-) CV Turing Machine (TipTop Verde)
1V/OCT Nebulæ (Doepfer Nero)
QUANT --> 5 Patch-bay (Doepfer Giallo)

/Turing Machine

CLOCK <-- 4 Patch-bay (Doepfer Giallo)
CV <-- 3 (-) Quad Inverter (TipTop Verde)
PULSE -->
NOISE -->
OUT --> 2 (+) Quad Inverter (TipTop Verde)
5 CV Matter (Doepfer Nero)
TONE Kick (Doepfer Nero)

/Pulses

1 -->

2 -->
3 --> 3 CV Matter (TipTop Giallo)
4 -->
5 --> 4 CV Matter (TipTop Giallo)
6 -->
7 -->
1+2 --> 1 CV Matter (TipTop Giallo)
2+4 --> 2 CV Matter (TipTop Giallo)
4+7 -->
1+2+4+7 -->

/Ears

IN <--
OUT --> 6 Mutamix (Doepfer Blu/Rosso)
ENV --> 1 (+) Quad Inverter (TipTop Rosso)
 6 CV Matter (Doepfer Nero)
GATE -->

/Patch-bay [E]

1 --> SYNC Sampling Modulator (TipTop Giallo/Azzurro)
2 --> RATE MF-105M (Doepfer Grigio/Rosso)
3 --> TRIG CV Matter (Doepfer Giallo)
4 --> CLOCK Turing Machine (Doepfer Giallo)
5 <-- QUANT RND (Doepfer Giallo)
6 <-- GATE RND (Doepfer Giallo)

/MF-108M

AUDIO <-- A BUS Mutamix (Doepfer Blu/Grigio)
TIME <--
 FB <-- MOD CV Matter (Doepfer Nero)
 LFO <--
 RATE <-- SPEED CV (Doepfer Giallo)
 RATE MF-104M (TipTop Verde)
DELAY -->
 MIX --> LOW Sisters (Doepfer Nero)

/MF-104M

AUDIO <-- 5 BUS MULTIPLIER (Doepfer Giallo)
TIME <--
 FB <-- 4 (+) Quad Inverter (Doepfer Nero)
 LFO <--
 RATE <-- RATE MF-108M (TipTop Verde)
 6 Patch-bay [D] (Doepfer Grigio)
DELAY -->
 MIX --> HIGH Sisters (Doepfer Giallo)

/MF-103

AUDIO <-- ALL Sisters (Doepfer Giallo)
LFO <--
RATE <-- 3 (-) Quad Inverter (TipTop Verde)
LFO --> SWEEP-1 MF-103 (TipTop Verde)
FREQ Sisters (Doepfer Nero)
DAMP Comb (Doepfer Rosso/Blu)
SWEEP-1 <-- LFO MF-103 (TipTop Verde)
SWEEP-2 <-- 3 (-) Quad Inverter (Doepfer Giallo)
AUX --> 6 Unity Mixer [A1] (Doepfer Verde/Grigio)
PHASER --> 3 Unity Mixer [A1] (Doepfer Verde/Grigio)

||| **REGIA** |||||||||||||||||||||||||||||||||||||||| [352 mA]

/Mutamix

CH 1 <-- OUT Comb (Depfer Blu/Grigio)
MUTE 1 <--
CH 2 <-- OUT Aperture (Depfer Verde/Grigio)
MUTE 2 <--
CH 3 <--
MUTE 3 <--
CH 4 <-- OUT Nebulæ (Depfer Verde/Grigio)
MUTE 4 <--
CH 5 <-- OUT Matter (Depfer Verde/Grigio)
MUTE 5 <--
CH 6 <-- OUT Ears (Depfer Verde/Rosso)
MUTE 6 <--
BUS A --> AUDIO MF-108M (Doepfer Blu/Grigio)
BUS B --> IN 1 Spring Reverb (TipTop Verde)
BUS C --> AUDIO MF-104M (Doepfer Blu/Grigio)

/Spring Reverb

IN 1 <-- BUS B Mutamix (TipTop Verde)
CV 1 <--
IN 2 <-- WET Spring Reverb (TipTop Verde)
CV 2 <-- 4 (-) Quad inverter (Doepfer Blu/Rosso)
MIX --> 1+4 Unity Mixer [R] (Y Rosso)
MIX CV <--
WET --> IN 2 Spring Reverb (TipTop Verde)

/Unity Mixer

1 <-- MIX Spring Reverb (Y Rosso)
2 <-- LEFT MF-105M (Doepfer Blu/Grigio)
3 <-- PHASER MF-103 (Doepfer Blu/Grigio)
A --> IN L MSCL (Doepfer Giallo)
4 <-- MIX Spring Reverb (Y Rosso)

