

```

|||||111|||99999||0000||88888||0000||99999||| | | | |
||||11111||99||99|00||00|88||88|00||00|99||99|||
||||111||9999999|00||00|88888|00||00|9999999|||
||||111||99|00||00|88||88|00||00||99|||
||||1111111|999999||0000||88888||0000||999999|||

```

```

||| BLOCCO D ||||| [ 1470 mA ]

```

/Pressure Point

- 1 PRES -->
- 1 GATE -->
- 2 PRES -->
- 2 GATE -->
- 3 PRES -->
- 3 GATE -->
- 4 PRES --> FDBK Delay (Doepfer Grigio)
DECAY EG (TipTop Verde)
- 4 GATE -->
- X VOLT --> 1 (+) Quad Inverter [D] (TipTop Verde)
RATE Brst (Doepfer Grigio)
M.PITCH Mutant Machine (Doepfer Giallo)
- 1 (-) S.PITCH Mutant Machine (TipTop Rosso)
RES Comb (Doepfer Nero)
- Y VOLT --> 2 (+) Quad Inverter [D] (TipTop Verde)
S.DECAY Mutant Machine (Doepfer Nero)
- 2 (-) A.DECAY Mutant Machine (TipTop Verde)
V/OCT Kick (Doepfer Blu)
- Z VOLT --> 3 (+) Quad Inverter [D] (TipTop Verde)
TIME Delay (Doepfer Grigio)
FREQ MF-107A (Doepfer Nero)
- 3 (-) FREQ MF-107B (TipTop Rosso)
STEPS Euclid (Doepfer Giallo)

/Quad Inverter [D]

- 1 (+) <-- X VOLT Pressure Point (TipTop Verde)
--> RATE Brst (Doepfer Grigio)
--> M.PITCH Mutant Machine (Doepfer Giallo)
- 1 (-) --> S.PITCH Mutant Machine (TipTop Rosso)
--> WAVE MF-107A (Doepfer Nero)
--> RES Comb (Doepfer Nero)
- 2 (+) <-- Y VOLT Pressure Point (TipTop Verde)
--> S.DECAY Mutant Machine (Doepfer Nero)
- 2 (-) --> A.DECAY Mutant Machine (TipTop Verde)
--> V/OCT Kick (Doepfer Blu)
- 3 (+) <-- Z VOLT Pressure Point (TipTop Verde)
--> TIME Delay (Doepfer Grigio)

```
    --> FREQ MF-107A (Doepfer Nero)
3 (-) --> A.DECAY Mutant Machine (TipTop Verde)
    --> FREQ MF-107B (TipTop Rosso)
    --> STEPS Euclid (Doepfer Giallo)
4 (+) <-- P.DECAY Mutant Machine (TipTop Verde)
    --> FM MF-107B (Doepfer Giallo)
4 (-) --> CV Aperture (TipTop Giallo)
    --> ENV MF-105M (Befaco Nero)
    --> CV 7 Matter (Doepfer Blu)
```

/Brains

```
CLK <-- 4 Patch-bay [D] (Doepfer Nero)
RST <--
RUN <--
DIR <-- CLOCK Mutant Machine (TipTop Verde)
T-GATE --> 1 Patch-bay [D] (Doepfer Giallo)
T-CLK <--
```

/Mutant Machine

```
TRIG <-- 5 Patch-bay (Doepfer Nero)
ACCENT <--
WAVE 1 <--
WAVE 1 -->
M.PITCH <-- 1 (+) Quad Inverter [D] (Doepfer Giallo)
WAVE 2 -->
CLOCK <-- SYNC Sampling Modulator (Doepfer Nero)
CLOCK --> DIR Brains (TipTop Verde)
FREQ <-- ENV MF-107B (Doepfer Nero)
ENABLE <--
M.DECAY <--
A.DECAY <-- 2 (-) Quad Inverter (TipTop Verde)
P.DECAY <--
P.DECAY --> 4 (+) Quad Inverter (TipTop Verde)
SNAPPY <--
S.DECAY <-- 2 (+) Quad Inverter (Doepfer Nero)
S.PITCH <-- 1 (-) Quad Inverter (TipTop Rosso)
WAVES -->
OUT --> 6 Unity Mixer [D] (TipTop Verde)
NOISE -->
```

/Unity Mixer [D]

```
1 <-- PHONE Radio (Doepfer Blu)
2 <-- VCO MF-107B (TipTop Rosso)
3 <-- VCO MF-107A (TipTop Rosso)
A --> IN Delay (TipTop Verde)
4 <--
5 <-- OUT Kick (Doepfer Blu)
```

6 <-- OUT Mutant Machine (TipTop Verde)
B --> IN Comb (TipTop Verde)

/Sampling Modulator

SYNC <-- 1 Patch-bay [E] (Doepfer Blu)
--> TRIG Euclid (TipTop Verde)
--> CLOCK Mutant Machine (Doepfer Nero)
CLOCK -->
TRIGG --> 3 Patch-bay [D] (Doepfer Nero)
--> TRIG Brst (TipTop Verde)
CV <--
IN <--
HOLD <--
OUT -->

/Comb

IN <-- B OUT Unity Mixer [D] (TipTop Verde)
FREQ <--
RES <-- S.PITCH Mutant Machine (Doepfer Nero)
DAMP <--
OUT --> CH 1 Mutamix (Doepfer Grigio)

/Delay

IN <-- A OUT Unity Mixer [D] (TipTop Verde)
TIME <-- Z VOLT Pressure Point (Doepfer Grigio)
FDBK <-- 4 PRES Pressure Point (Doepfer Grigio)
DECAY EG (TipTop Verde)
MIX <--
OUT --> AUDIO FM-105M (TipTop Rosso)

/Euclid

TRIG <-- SYNC Sampling Modulator (TipTop Verde)
1 Patch-bay [E] (Doepfer Blu)
RESET <--
LENGHT <-- MOD CV Matter (Doepfer Blu)
STEPS <-- FREQ MF-107B (Doepfer Giallo)
OUT --> 2 Patch-bay [D] (Doepfer Nero)

/Brst

TRIG <-- TRIGG Sampling Modulator (TipTop Verde)
PULSES <--
RATE <-- X Volt Pressure Point (Doepfer Grigio)
OUT --> TRIG EG (TipTop Rosso)

/EG

TRIG <-- OUT Brst (TipTop Rosso)
ATTACK <--
DECAY <-- TIME Delay (TipTop Verde)
 4 PRES Pressure Point (Doepfer Grigio)
OUT --> KLANG Aperture (TipTop Verde)
 TIME MF-104M (Doepfer Rosso)

/Aperture

KLANG <-- OUT EG (TipTop Verde)
CV <-- 4 (-) Quad Inverter [D] (TipTop Giallo)
IN <-- AUDIO MF-107B (TipTop Verde)
OUT --> CH 2 Mutamix (Doepfer Grigio)

/Patch-bay [D]

1 <-- T-GATE Brains (Doepfer Giallo)
2 <-- OUT Euclid (Doepfer Nero)
3 <-- TRIGG Sampling Modulator (Doepfer Nero)
4 --> CLK Brains (Doepfer Nero)
5 --> TRIG Mutant Machine (Doepfer Nero)
6 --> TRIG Kick (Doepfer Blu)

/MF-107A

AUDIO <--
FREQ <-- 3 (+) Quad Inverter (Doepfer Nero)
WAVE <--
ENV <--
FM <-- 4 (+) Quad Inverter (Doepfer Nero)
MIX <--
ENV -->
VCO --> 3 Unity Mixer [D] (TipTop Rosso)
AUDIO --> AUDIO MF-107B (TipTop Rosso)

/MF-105M

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

/MF-107B

AUDIO <-- AUDIO MF-107A (TipTop Rosso)
FREQ <-- 3 (-) Quad Inverter [D] (TipTop Rosso)

--> STEPS Euclid (Doepfer Giallo)
WAVE <--
ENV <--
FM <--
MIX <--
ENV --> FREQ Mutant Machine (Doepfer Nero)
VCO --> 2 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 --> 5 Mutamix (Doepfer Grigio)

/Matter

1 CV <-- 1 CV PULSES (TipTop Giallo)
(-) --> 1 RESIST (Dupont Rosso)
--> 6 TRG. (Dupont Rosso)
(+) -->
2 CV <-- 2 CV PULSES (TipTop Giallo)
(-) --> 2 RESIST (Dupont Arancio)
--> 17 TRG. (Dupont Arancio)
(+) -->
3 CV <-- 4 CV PULSES (TipTop Giallo)
(-) --> 3 RESIST (Dupont Giallo)
--> 20 TRG. (Dupont Giallo)
(+) -->
4 CV <-- 7 CV PULSES (TipTop Giallo)
(-) --> 4 RESIST (Dupont Verde)
--> 13 TRG. (Dupont Verde)
(+) -->
5 CV <-- OUT Turing Machine (Doepfer Nero)
(-) --> 3 TRG. (Dupont Blu)
(+) --> 5 RESIST (Dupont Blu)
--> 17 TRG. (Dupont Blu)
--> 7 TRG. (Dupont Blu)
6 CV <-- OUT Ears (TipTop Giallo)
(-) --> 6 RESIST (Dupont Grigio)

```

--> 7 TRG. (Dupont Grigio)
--> 20 TRG. (Dupont Grigio)
(+) -->
7 CV <-- CV Aperture (Doepfer Blu)
      4 (-) Quad Inverter [D] (TipTop Giallo)
(-) --> 7 RESIST (Dupont Bianco)
--> 16 TRG. (Dupont Bianco)
--> 10 TRG. (Dupont Bianco)
(+) -->
8 CV <--
(-) -->
-->
(+) -->
MOD (-) --> 2 TRG. (Dupont Viola)
MOD (+) --> 3 TRG. (Dupont Viola)
SPEED CV <-- RATE MF-108M (Doepfer Giallo)
           RATE MF-108M (TipTop Verde)
           4+7 PULSES (Doepfer Nero)
TRIG CV <-- 3 Patch-bay [E] (Doepfer Giallo)
MOD CV --> 4 (+) Quad Inverter (TipTop Rosso)
           LENGHT Euclid (Doepfer Blu)
           QUALITY Sisters (Doepfer Giallo)
           4 (-) RATE MF-103 (TipTop Verde)
           1V/OCT Mebulæ (Doepfer Grigio)
AUDIO --> 6 Mutamix (Doepfer Rosso)

```

/Kick

```

TRIG <-- 6 Patch-bay [D] (Doepfer Blu)
TONE <-- 3 (-) Quad Inverter [E] (Doepfer Nero)
DECAY <--
V/OCT <-- 2 (-) Quad Inverter [D] (Doepfer Nero)
OUT --> 5 Unity Mixer [D] (Doepfer Blu)

```

/Bus Multiplier

```

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

```

/ Sisters

```

FREQ <-- LFO MF-103 (TipTop Verde)
QUALITY <-- 4 (+) Quad Inverter (Doepfer Giallo)
MOD CV (TipTop Rosso)

```

SPAN <-- 2 (-) Quad Inverter (TipTop Verde)
FM <--
HIGH <-- MIX MF-108M (TipTop Rosso)
CENTER <--
LOW <-- MIX MF-104M (TipTop Verde)
ALL <--
HIGH -->
CENTER -->
LOW -->
ALL --> 1 Unity Mixer [A1] (Doepfer Rosso)
4 Unity Mixer [A1] (TipTop Verde)

/RND

CLOCK <--
GATE --> 6 Patch-bay [E] (Doepfer Giallo)
SMOOTH --> 3 (+) Quad Inverter (TipTop Verde)
FB MF-104M (Doepfer Nero)
1V/OCT Nebulæ (Doepfer Grigio)
3 (-) SWEEP-1 MF-103 (TipTop Verde)
TONE Kick (Doepfer Nero)
QUANT --> 5 Patch-bay [E] (Doepfer Giallo)

/Quad Inverter [E]

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

/Turing Machine

CLOCK <-- 4 Patch-bay [E] (Doepfer Giallo)
CV <--
PULSE -->
NOISE -->
OUT --> 2 (+) Quad Inverter (TipTop Verde)

5 CV Matter (Doepfer Nero)
FB MF-104M (Doepfer Grigio)

/Pulses

1 --> 1 CV Matter (TipTop Giallo)
2 --> 2 CV Matter (TipTop Giallo)
3 -->
4 --> 3 CV Matter (TipTop Giallo)
5 -->
6 -->
7 --> 4 CV Matter (TipTop Giallo)
1+2 -->
2+4 -->
4+7 --> RATE MF-104M (Doepfer Nero)
RATE MF-108M (TipTop Verde)
SPEED CV Matter (Doepfer Giallo)
1+2+4+7 -->

/Ears

IN <--
OUT --> 6 CV Matter (TipTop Giallo)
ENV --> 1 (+) Quad Inverter (TipTop Rosso)
GATE -->

/Patch-bay [E]

1 --> TRIG Euclid (Doepfer Blu)
2 --> RATE MF-105M (Doepfer Blu)
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 Grigio)
TIME <-- 2 (-) Quad Inverter [E] (TipTop Giallo)
FB <-- 2 (+) Quad Inverter [E] (Doepfer Grigio)
LFO <--
RATE <-- SPEED CV (Doepfer Giallo)
RATE MF-104M (TipTop Verde)
DELAY -->
MIX --> HIGH Sisters (TipTop Rosso)

/MF-104M

AUDIO <-- C BUS Mutamix (Doepfer Rosso)
TIME <-- OUT EG (Doepfer Grigio)

FB <-- SMOOTH RND (Doepfer Nero)
LFO <--
RATE <-- RATE MF-108M (TipTop Verde)
DELAY -->
MIX --> LOW Sisters (TipTop Verde)

/MF-103

AUDIO <-- B BUS Mutamix (Doepfer Rosso)
LFO <--
RATE <-- 4 (-) Quad Inverter (TipTop Verde)
LFO --> FREQ Sisters (Doepfer Nero)
SWEEP-1 <-- 3 (-) Quad Inverter (TipTop Verde)
SWEEP-2 <--
AUX --> 6 Unity Mixer [A1] (Doepfer Grigio)
PHASER --> 3 Unity Mixer [A1] (Doepfer Grigio)

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

/Mutamix

CH 1 <-- OUT Comb (Depfer Grigio)
MUTE 1 <--
CH 2 <-- OUT Aperture (Depfer Grigio)
MUTE 2 <--
CH 3 <--
MUTE 3 <--
CH 4 <--
MUTE 4 <--
CH 5 <-- OUT Nebulæ (Depfer Grigio)
MUTE 5 <--
CH 6 <-- OUT Matter (Depfer Rosso)
MUTE 6 <--
BUS A --> AUDIO MF-108M (Doepfer Grigio)
BUS B --> AUDIO MF-103 (Doepfer Rosso)
BUS C --> AUDIO MF-104M (Doepfer Rosso)

/Spring Reverb

IN 1 <-- 1 Unity Mixer [A2] (TipTop Verde)
LEFT EQ [YS Blu]
CV 1 <--
IN 2 <-- 4 Unity Mixer [A2] (TipTop Verde)
RIGHT OUT EQ [YS Rosso]
CV 2 <--
MIX --> LEFT TILT [YS Blu]
MIX CV <--
WET --> RIGHT TILT [YS Rosso]

/Unity Mixer [A1]
