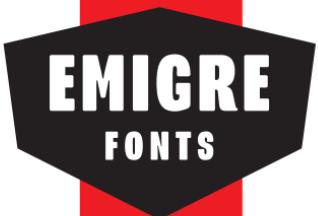
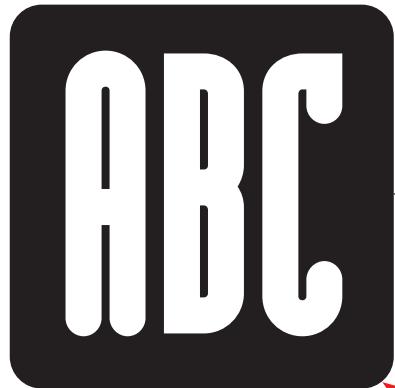
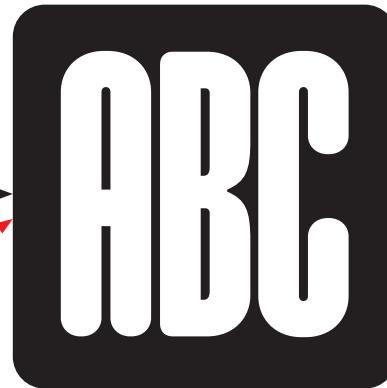


MO
DULA
TOP3





MODULA ROUND BLACK, 1995



MODULATOR 100 MEDIUM, 2026

MODULATOR IS A SPIN-OFF, INSPIRED BY TWO DIFFERENT DESIGNS, BORN IN DIFFERENT ERAS: **MODULA ROUND BLACK**, DESIGNED IN 1995, AND **LO-RES MONOSPACED SOLID**, DESIGNED IN 2023. MODULA ROUND WAS THE STARTING POINT FOR **MODULATOR 100 MEDIUM**, WHEREAS THE SQUARE PROPORTIONS OF LO-RES MONOSPACED SOLID BECAME **MODULATOR 350 HEAVY**. DESIGNED BY ZUZANA LICKO FOR EMIGRE.

THE IDEA STARTED WHEN LICKO IMAGINED HOW **LO-RES MONOSPACED SOLID** MIGHT LOOK WITH **ROUNDED EDGES**. THE MODULARITY AND SLIM COUNTERS OF THIS **NEW DESIGN** ECHOED SOME OF THE FEATURES OF **MODULA ROUND BLACK**, AND SHE REALIZED HOW, WITH SOME MODIFICATIONS, THOSE TWO DESIGNS COULD WORK TOGETHER IN THIS NEW FAMILY WHICH SHE ENDED UP CALLING **MODULATOR**.



LO-RES MONOSPACED SOLID, 2023



MODULATOR 350 HEAVY, 2026

TO MAKE THESE TWO DESIGNS COMPATIBLE IN THE NEW FONT, SHE MADE MODULA UNICASE, AND TIGHTENED THE COUNTERS IN LO-RES. USING INTERPOLATION, SHE THEN CREATED THREE INTERMEDIATE VERSIONS BETWEEN THESE TWO INITIAL EXTREMES, 100 AND 350.

MMMM

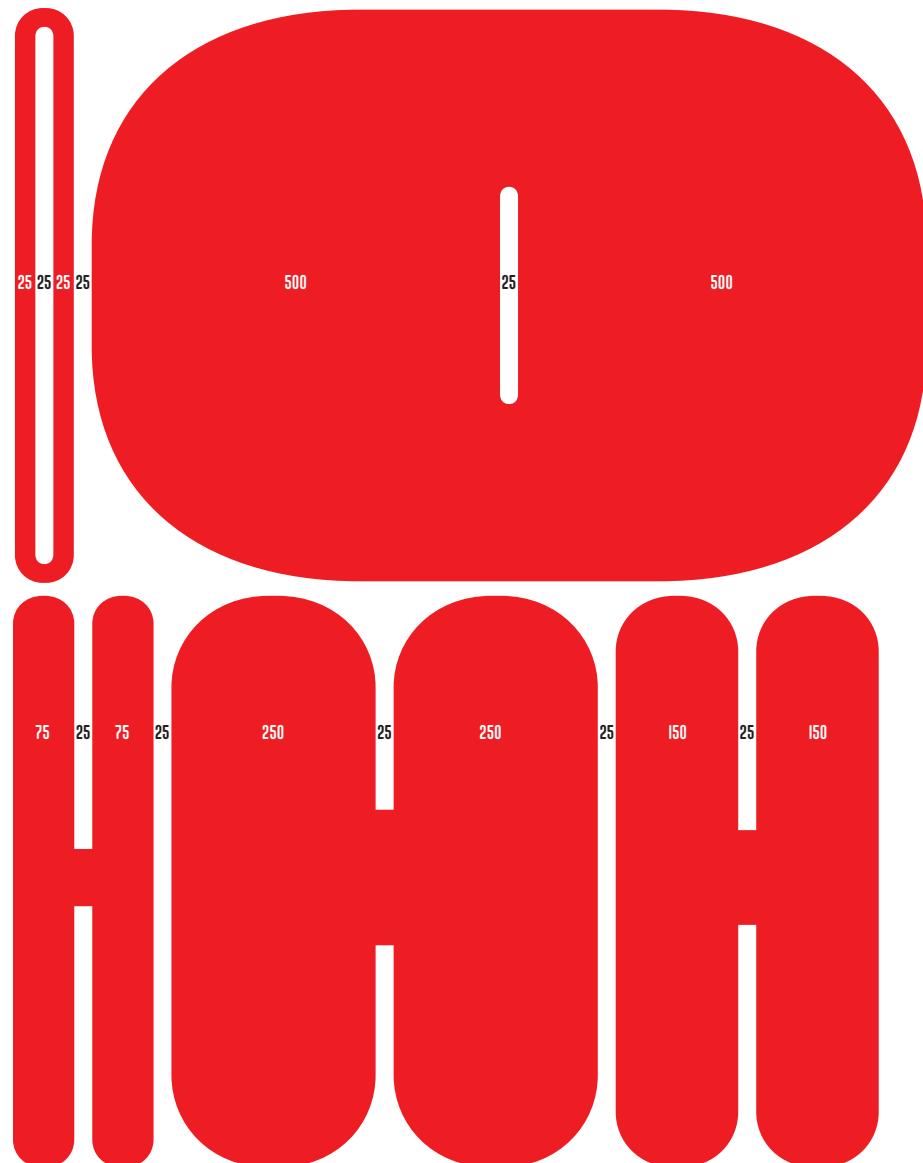
NOT SATISFIED WITH THE RANGE, LICKO ADDED TWO ADDITIONAL ACCENTUATING WEIGHTS AT THE EXTREMES, EXPANDING THE FAMILY TO A TOTAL OF NINE FONTS.

MM

IN THE FONT NAMING, THE NUMBER REFERS TO THE STEM WIDTH.

1. MODULATOR 25 THIN
2. MODULATOR 50 THIN
3. MODULATOR 75 MEDIUM
4. MODULATOR 100 MEDIUM
5. MODULATOR 150 BOLD
6. MODULATOR 200 BOLD
7. MODULATOR 250 HEAVY
8. MODULATOR 350 HEAVY
9. MODULATOR 500 BLACK

WHILE THE STEM WEIGHTS VARY, ALL NINE STYLES
SHARE THE SAME COUNTER WIDTH. THIS REPETITION
OF SHAPE AND SPACE CREATES A UNIFYING RHYTHM.



ANOTHER DESIGN CHARACTERISTIC OF MODULATOR IS THE TRANSFORMATION FROM **VERTICAL STROKES** TO **HORIZONTAL STROKES**, WHICH HAPPENS BETWEEN THE BOLD AND HEAVY, SEEN IN GLYPHS LIKE THE LETTER **S** OR NUMBER **3**. THE SHAPES REQUIRED FOR THIS MORPHING LEAD TO SOME SURPRISING FORMS.



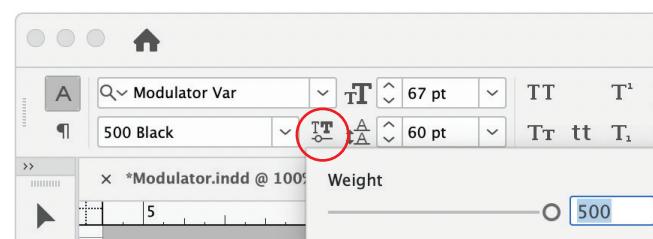
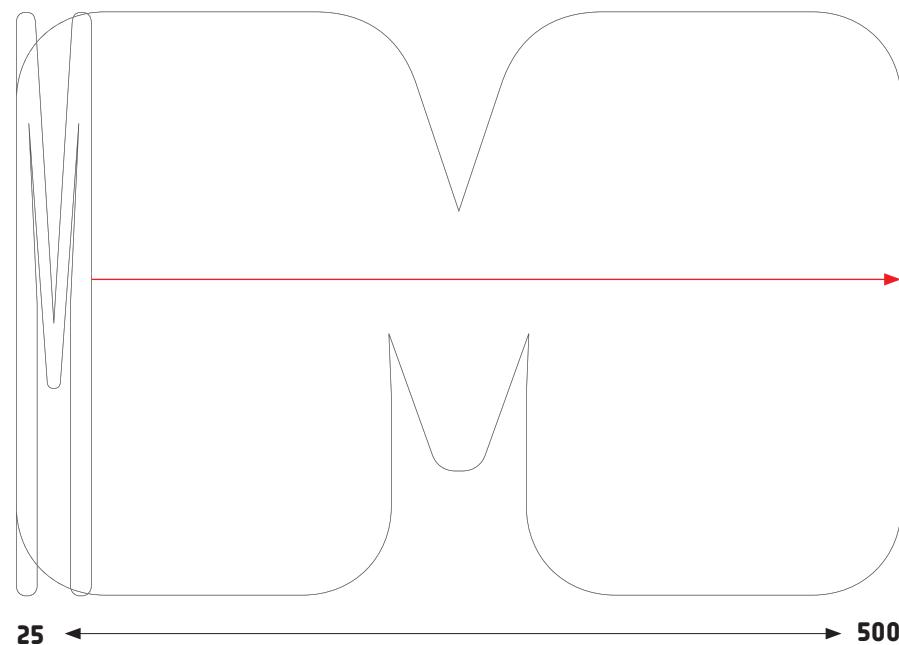
BOLD HEAVY

ALTHOUGH MODULATOR IS AN ALL-CAPS DESIGN, THE LETTERS **E**, **M**, AND **N** WERE GIVEN ALTERNATIVE GLYPHS IN THE LOWER CASE TO PROVIDE SOME VARIETY AND FLEXIBILITY WHEN CUSTOMIZING HEADLINES.



MODULATOR 200 BOLD

THE VARIABLE VERSION OF MODULATOR CONTAINS A CONTINUOUS RANGE OF STYLE VARIATIONS, ALLOWING DESIGNERS TO USE A **SLIDER** TO PICK ANY POINT BETWEEN EXTREMES, RATHER THAN BEING LIMITED TO PRESET STYLES IN SEPARATE FILES, WHICH ALLOWS FOR PRECISE FITTING AND SAVES DATA.



USE THE SLIDER IN INDESIGN TO INCREASE OR DECREASE THE STROKE WEIGHT.

A SECONDARY VARIABLE FONT, **MODULATOR TEXT**, PROVIDES A RANGE OF WIDTHS THAT ARE A BIT MORE SUITABLE FOR SMALL SIZES AND TEXT APPLICATIONS. THIS "TEXT" VERSION INCREASES THE STEM WEIGHT **AND** COUNTER WIDTH, UP TO SIX TIMES THAT OF THE EXTREME NARROW WIDTH, STARTING WITH THE 25 STEM VERSION, WITH A 22 COUNTER SPACE, AND STRETCHING OUT TO THE 150 STEM VERSION WITH A 132 COUNTER SPACE.

ALL TEXTS IN THIS BOOKLET ARE SET IN MODULATOR TEXT 150 REGULAR.



THE STEMS AND COUNTERS OF MODULATOR 25 THIN WERE SCALED 6X TO BECOME MODULATOR TEXT 150 REGULAR.

MO MO MO MO

1. MODULATOR TEXT 50 COMPRESSED (ONLY AVAILABLE IN THE VARIABLE FONT)
2. MODULATOR TEXT 75 CONDENSED
3. MODULATOR TEXT 100 NARROW
4. MODULATOR TEXT 150 REGULAR

NEXT CAME THE DEVELOPMENT OF **MODULATOR MONOSPACED** WHICH BEGAN BY ADAPTING **MODULATOR 350 HEAVY**, UTILIZING ITS SQUARE PROPORTION. SERIFS WERE ADDED TO THE NUMERAL **1**, AND LETTERS **I** AND **L**, IN ORDER TO FILL OUT THE SPACE OF THE MONO WIDTH.

MILK → MILK

MODULATOR 350 HEAVY IS THE FOUNDATION FOR MODULATOR MONOSPACED.

CREATING NARROWER MONOSPACED VERSIONS PROVED MORE DIFFICULT. IT REQUIRED ADJUSTING THE STEM WEIGHTS IN ORDER TO FIT THESE CHARACTERS INTO THEIR PREDETERMINED MONO WIDTH, WHILE PRESERVING THE UNIFORM COUNTER WIDTH. THIS CAUSED THEM TO APPEAR EITHER TOO LIGHT OR TOO BOLD WITHIN THEIR WIDTH GROUP.

OWN OWN OWN

NARROWER MONOSPACED VERSIONS RESULTED IN VISIBLY UNEVEN STEM WEIGHTS.

MMMM RRRR WWW

THESE IRREGULAR RESULTS SPARKED THE IDEA FOR **MODULATOR MIX**, A VERSION WITH MIXED WIDTH GLYPHS WITHIN ONE FONT.

MODULATOR MIX ALTERNATES AMONG FOUR DIFFERENT MONOSPACED WIDTHS. AS TEXT IS TYPED, THE CONTEXTUAL ALTERNATES OPENTYPE FEATURE DRIVES THE AUTOMATIC MIXING OF THE WIDTHS.* EACH WIDTH IS A MULTIPLE OF THE NARROWEST, SO TEXT LINES UP VERTICALLY IN SPORADIC INCREMENTS.

*** MANY THANKS TO TAL LEMING FOR HIS BRILLIANT FEATURE SCRIPT THAT MAKE THE MIX FONT ACROBATICS POSSIBLE.**

MODULATOR IS A
SPIN-OFF OF TWO
VERY DIFFER-
ENT DESIGNS:
MODULAR ROUND
& LI-RE'S MONO-
SPACED SOLID.

MODULATOR

OVERVIEW

MODULATOR TEXT

25 THIN	MOD
50 THIN	MOI
75 MEDIUM	MO
100 MEDIUM	MO
150 BOLD	M
200 BOLD	M
250 HEAVY	M
350 HEAVY	M
500 BLACK	N

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

1. MODULATOR 25 THIN
2. MODULATOR 50 THIN
3. MODULATOR 75 MEDIUM
4. MODULATOR 100 MEDIUM
5. MODULATOR 150 BOLD
6. MODULATOR 200 BOLD
7. MODULATOR 250 HEAVY
8. MODULATOR 350 HEAVY
9. MODULATOR 500 BLACK

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8

1. MODULATOR TEXT 50 COMPRESSED (ONLY AVAILABLE IN THE VARIABLE FONT)

2. MODULATOR TEXT 75 CONDENSED

3. MODULATOR TEXT 100 NARROW

4. MODULATOR TEXT 150 REGULAR

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 1 2 3 4 5 6 7 8 9

1. MODULATOR MONOSPACED

2. MODULATOR MIX

WIDE
WIDER
WIDEST

NARROW
NARROWER
NARROWEST

MODULATOR 250 HEAVY
MODULATOR 350 HEAVY
MODULATOR 500 BLACK

MODULATOR 150 BOLD
MODULATOR 50 THIN
MODULATOR 25 THIN

FAT FATTER FATTEST

THIN THINNER THINNEST

MODULATOR 200 BOLD
MODULATOR 350 HEAVY
MODULATOR 500 BLACK

MODULATOR 75 MEDIUM
MODULATOR 50 THIN
MODULATOR 25 THIN

LOUD
LOUDER
LOUDEST

SOFT
SOFTER
SOFTEST

MODULATOR 150 BOLD
MODULATOR 250 HEAVY
MODULATOR 500 BLACK

MODULATOR 100 MEDIUM
MODULATOR 50 THIN
MODULATOR 25 THIN

BIG
BIGGER
BIGG
BIGGEST

SMALL
SMALLER
SMALLEST

MODULATOR 150 BOLD
MODULATOR 250 HEAVY
MODULATOR 500 BLACK

MODULATOR 100 MEDIUM
MODULATOR 50 THIN
MODULATOR 25 THIN

DARK
DARKE
DARKEST

LIGHT
LIGHTER
LIGHTEST

MODULATOR 250 HEAVY
MODULATOR 350 HEAVY
MODULATOR 500 BLACK

MODULATOR 150 BOLD
MODULATOR 75 MEDIUM
MODULATOR 25 THIN

LARGE
LARGER
LARGE
LARGE

SLIM
SLIMMER
SLIMMEST

MODULATOR 200 BOLD
MODULATOR 250 HEAVY
MODULATOR 500 BLACK

MODULATOR 150 BOLD
MODULATOR 50 THIN
MODULATOR 25 THIN

BULKY
BULKY
BULKY
BULKY
BULKY

TINY
TINIER
TINIER
TINIEST

MODULATOR 250 HEAVY
MODULATOR 350 HEAVY
MODULATOR 500 BLACK

MODULATOR 100 MEDIUM
MODULATOR 75 MEDIUM
MODULATOR 50 THIN

DO YOU READ ME?
DO YOU READ ME?

DO YOU READ ME?
DO YOU READ ME?

DO YOU READ ME?

MODULATOR MONOSPACED

DO YOU READ ME? DO YOU READ ME? DO YOU READ
ME? DO YOU READ ME? DO YOU READ ME? DO YOU READ ME?
DO YOU READ ME? DO YOU READ ME?

MODULATOR MIX

MODULATOR TEXT

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