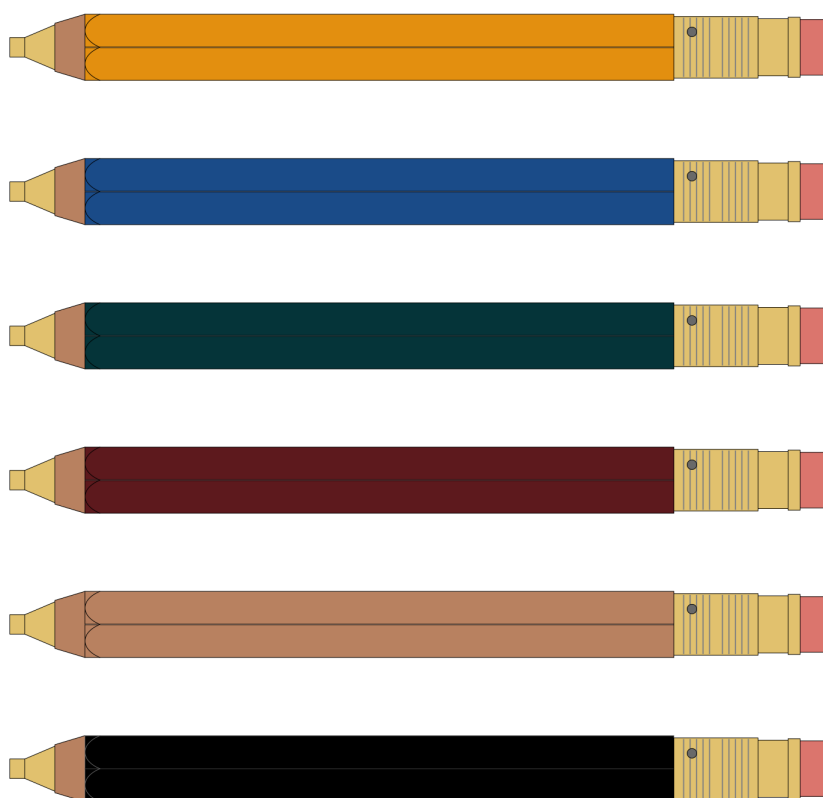


OHTO Sharp Pencil 2.0 (APS-680E)

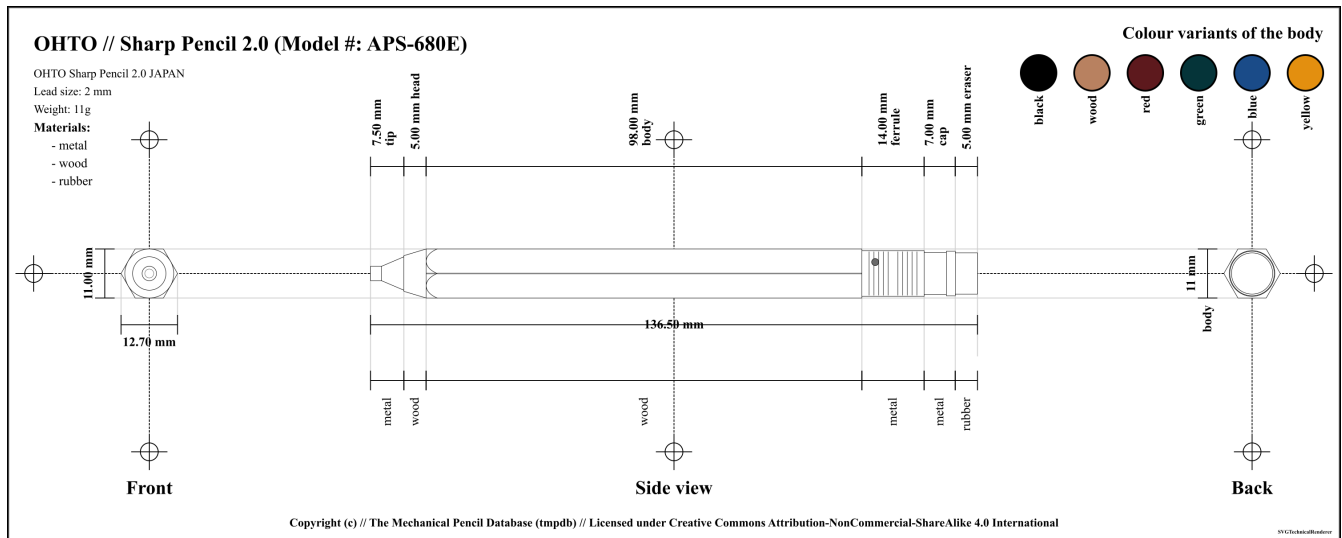
OHTO // Sharp Pencil 2.0 (Model #: APS-680E)



Copyright (c) // The Mechanical Pencil Database (tmpdb)
Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVGPencilRender

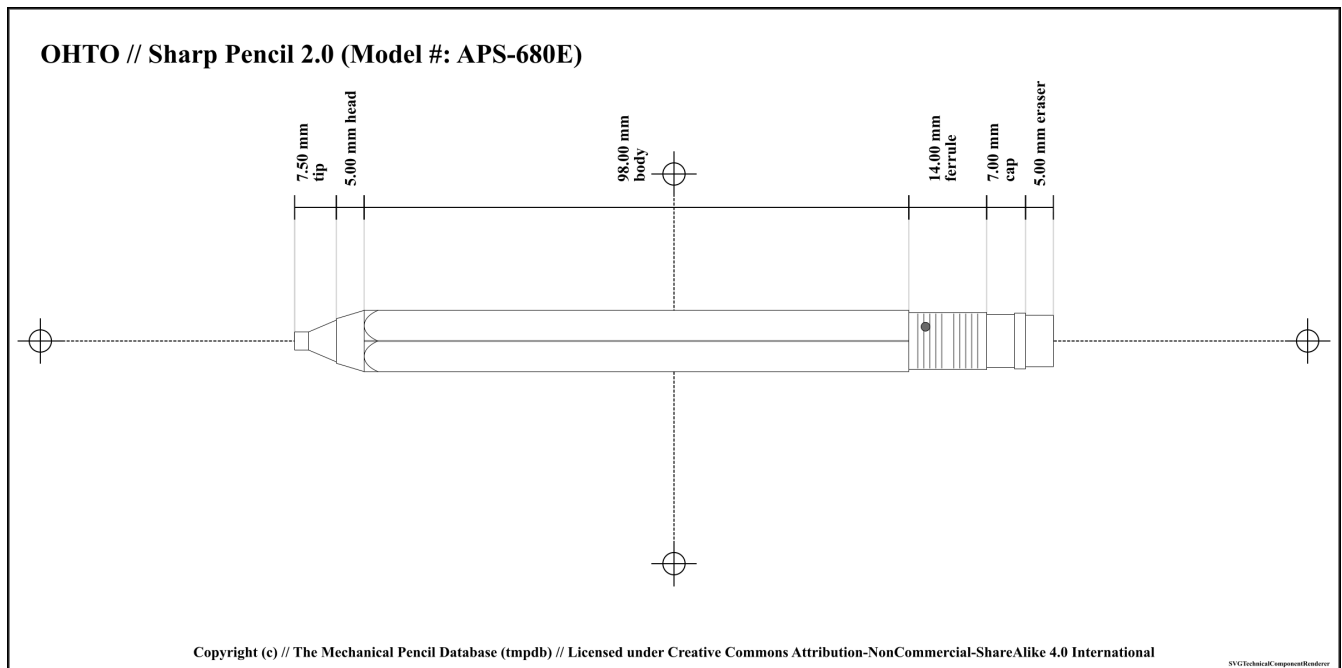
Datasheet



Overview

Brand	OHTO
Model	Sharp Pencil 2.0
Lead size	2 mm
Text	OHTO Sharp Pencil 2.0 JAPAN
Mechanism	
Years available	
Country of manufacture	
Dimensions	136.50 mm (length) 12.70 mm (width) 11.00 mm (height)
Weight	11 grams
Materials	metal wood rubber
Colour variants	yellow blue green red wood black
Features	

Components



Measurements - external

Component	Length	Height		Width	
		Min.	Max	Min.	Max.
tip	7.50 mm	3.25 mm	7.50 mm	3.25 mm	7.50 mm
head	5.00 mm	8.00 mm	11.00 mm	8.00 mm	11.00 mm
body	98.00 mm	11.00 mm		11.00 mm	12.70 mm
ferrule	14.00 mm	10.25 mm		10.25 mm	
cap	7.00 mm	10.00 mm		10.00 mm	
eraser	5.00 mm	9.25 mm		9.25 mm	
Total length	136.50 mm				

Materials - external

Component	Material(s)	Colour(s)	Shape(s)	Finish
tip	metal	brass	cylinder cone	
head	wood	wood	cone	

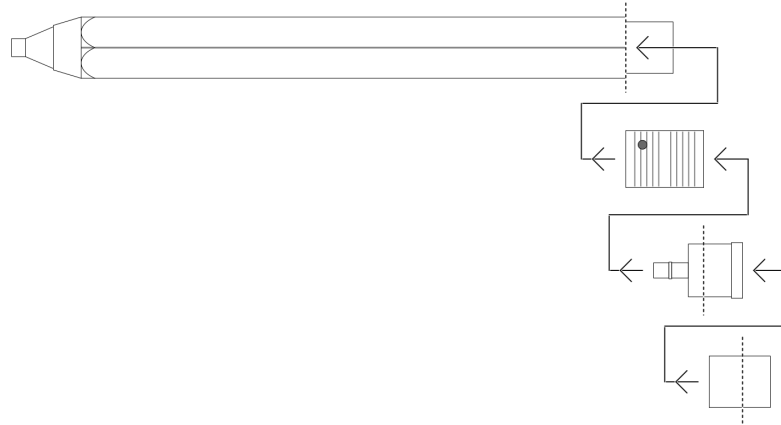
Components ^(cont.)

body	wood	yellow blue green red wood black	hexagonal	
ferrule	metal	brass	cylinder	ferrule
cap	metal	brass	cylinder	
eraser	rubber	pink	cylinder	

Components *(cont.)*

Components (exploded view)

OHTO // Sharp Pencil 2.0 (Model #: APS-680E)



Copyright (c) // The Mechanical Pencil Database (tmpdb) // Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVGTech@aif.uph.edu.sg

OHTO // Sharp Pencil 2.0 (Model #: APS-680E)



Copyright (c) // The Mechanical Pencil Database (tmpdb) // Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVGTech@aif.uph.edu.sg

Components *(cont.)*

OHTO // Sharp Pencil 2.0 (Model #: APS-680E)



Copyright (c) // The Mechanical Pencil Database (tmpdb) // Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVGTechtool/ExplodedView

OHTO // Sharp Pencil 2.0 (Model #: APS-680E)



Copyright (c) // The Mechanical Pencil Database (tmpdb) // Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVGTechtool/ExplodedView

Components *(cont.)*

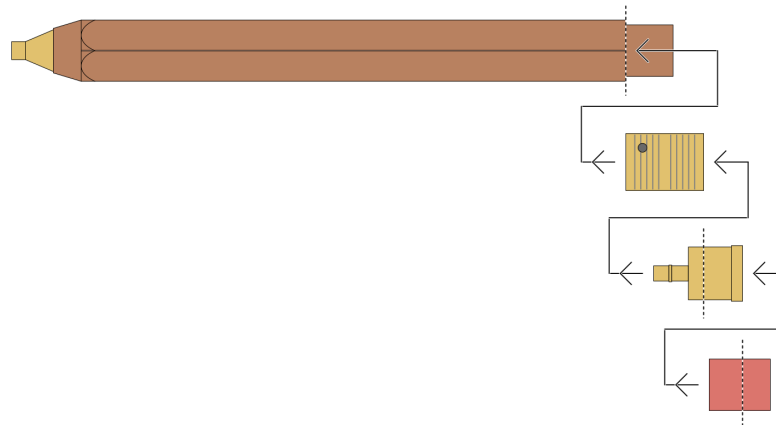
OHTO // Sharp Pencil 2.0 (Model #: APS-680E)



Copyright (c) // The Mechanical Pencil Database (tmpdb) // Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVGTechnicalExplodedRender

OHTO // Sharp Pencil 2.0 (Model #: APS-680E)



Copyright (c) // The Mechanical Pencil Database (tmpdb) // Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVGTechnicalExplodedRender

Components *(cont.)*

OHTO // Sharp Pencil 2.0 (Model #: APS-680E)



Copyright (c) // The Mechanical Pencil Database (tmpdb) // Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVGTechnicalExplodedView

Colour variants

Variants are designated by the colour of the body

Colour	SKU	Render colour
yellow	not recorded	#e38f0f
blue	not recorded	#1a4b88
green	not recorded	#053439
red	not recorded	#5d191d
wood	not recorded	#b88160
black	not recorded	black







body colour - yellow



Copyright (c) // The Mechanical Pencil Database (tmpdb)
Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVGPixelBender

Colours for individual components

Colour						
Colour name	brass	wood	yellow	brass	brass	pink
Render colour	#E1C16E	#b88160	#e38f0f	#E1C16E	#E1C16E	#db756d
Component	tip	head	body	ferrule	cap	eraser

Colour variants *(cont.)*

body colour - blue



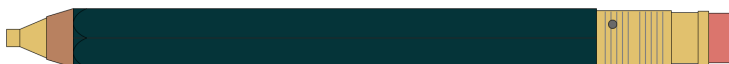
Copyright (c) // The Mechanical Pencil Database (tmpdb)
Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVG Pencil Renderer

Colours for individual components

Colour						
Colour name	brass	wood	blue	brass	brass	pink
Render colour	#E1C16E	#b88160	#1a4b88	#E1C16E	#E1C16E	#db756d
Component	tip	head	body	ferrule	cap	eraser

body colour - green



Copyright (c) // The Mechanical Pencil Database (tmpdb)
Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVG Pencil Renderer

Colours for individual components

Colour						
Colour name	brass	wood	green	brass	brass	pink
Render colour	#E1C16E	#b88160	#053439	#E1C16E	#E1C16E	#db756d
Component	tip	head	body	ferrule	cap	eraser

Colour variants *(cont.)*

body colour - red



Copyright (c) // The Mechanical Pencil Database (tmpdb)
Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVG Pencil Renderer

Colours for individual components

Colour						
Colour name	brass	wood	red	brass	brass	pink
Render colour	#E1C16E	#b88160	#5d191d	#E1C16E	#E1C16E	#db756d
Component	tip	head	body	ferrule	cap	eraser

body colour - wood



Copyright (c) // The Mechanical Pencil Database (tmpdb)
Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVG Pencil Renderer

Colours for individual components

Colour						
Colour name	brass	wood	wood	brass	brass	pink
Render colour	#E1C16E	#b88160	#b88160	#E1C16E	#E1C16E	#db756d
Component	tip	head	body	ferrule	cap	eraser

Colour variants *(cont.)*

body colour - black



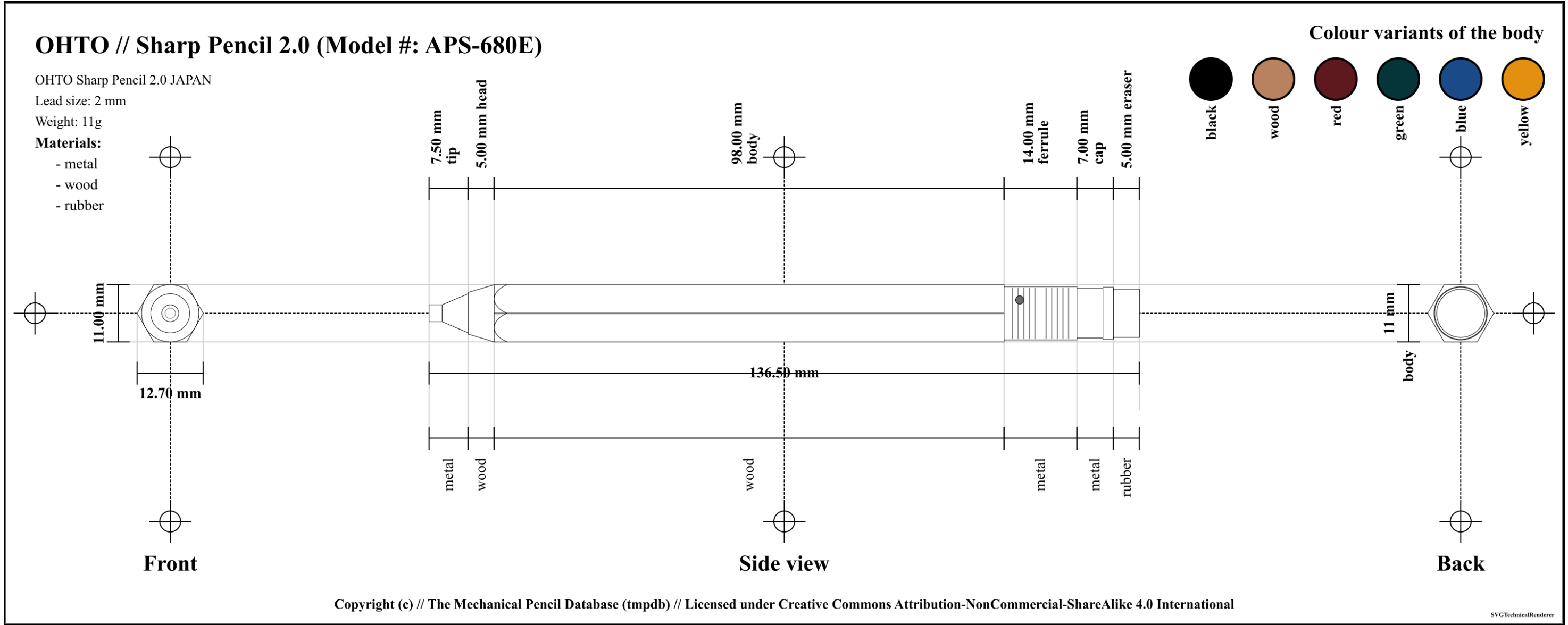
Copyright (c) // The Mechanical Pencil Database (tmpdb)
Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International

SVGPaintRender

Colours for individual components

Colour						
Colour name	brass	wood	black	brass	brass	pink
Render colour	#E1C16E	#b81600	black	#E1C16E	#E1C16E	#db756d
Component	tip	head	body	ferrule	cap	eraser

Technical Drawing



Notices

Mechanical Pencils

Any and all third-party brand names, logos, and trademarks referenced herein are the property of their respective owners. The use of these names, logos, and trademarks is for identification purposes only and does not imply any affiliation with or endorsement by their respective owners.

Fonts

All fonts used in this PDF document are licensed under the SIL Open Font License, Version 1.1. This license is included in the source code repository that generated this document, copied below, and is also available with a FAQ at: <https://openfontlicense.org>

SIL OPEN FONT LICENSE Version 1.1 - 26 February 2007

PREAMBLE

The goals of the Open Font License (OFL) are to stimulate worldwide development of collaborative font projects, to support the font creation efforts of academic and linguistic communities, and to provide a free and open framework in which fonts may be shared and improved in partnership with others.

The OFL allows the licensed fonts to be used, studied, modified and redistributed freely as long as they are not sold by themselves. The fonts, including any derivative works, can be bundled, embedded, redistributed and/or sold with any software provided that any reserved names are not used by derivative works. The fonts and derivatives, however, cannot be released under any other type of license. The requirement for fonts to remain under this license does not apply to any document created using the fonts or their derivatives.

DEFINITIONS

"Font Software" refers to the set of files released by the Copyright Holder(s) under this license and clearly marked as such. This may include source files, build scripts and documentation.

"Reserved Font Name" refers to any names specified as such after the copyright statement(s).

"Original Version" refers to the collection of Font Software components as distributed by the Copyright Holder(s).

"Modified Version" refers to any derivative made by adding to, deleting, or substituting -- in part or in whole -- any of the components of the Original Version, by changing formats or by porting the Font Software to a new environment.

"Author" refers to any designer, engineer, programmer, technical writer or other person who contributed to the Font Software.

PERMISSION & CONDITIONS

Notices *(cont.)*

Permission is hereby granted, free of charge, to any person obtaining a copy of the Font Software, to use, study, copy, merge, embed, modify, redistribute, and sell modified and unmodified copies of the Font Software, subject to the following conditions:

- 1) Neither the Font Software nor any of its individual components, in Original or Modified Versions, may be sold by itself.
- 2) Original or Modified Versions of the Font Software may be bundled, redistributed and/or sold with any software, provided that each copy contains the above copyright notice and this license. These can be included either as stand-alone text files, human-readable headers or in the appropriate machine-readable metadata fields within text or binary files as long as those fields can be easily viewed by the user.
- 3) No Modified Version of the Font Software may use the Reserved Font Name(s) unless explicit written permission is granted by the corresponding Copyright Holder. This restriction only applies to the primary font name as presented to the users.
- 4) The name(s) of the Copyright Holder(s) or the Author(s) of the Font Software shall not be used to promote, endorse or advertise any Modified Version, except to acknowledge the contribution(s) of the Copyright Holder(s) and the Author(s) or with their explicit written permission.
- 5) The Font Software, modified or unmodified, in part or in whole, must be distributed entirely under this license, and must not be distributed under any other license. The requirement for fonts to remain under this license does not apply to any document created using the Font Software.

TERMINATION

This license becomes null and void if any of the above conditions are not met.

DISCLAIMER

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR OTHER RIGHT. IN NO EVENT SHALL THE COPYRIGHT HOLDER BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,

INCLUDING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT SOFTWARE OR FROM

OTHER DEALINGS IN THE FONT SOFTWARE.

Data

All data Copyright (c) // The Mechanical Pencil Database (tmpdb) - Licensed under Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International. Data sourced from Synapticloop and other publicly available sources.