Universal Coded Character Set
International Organization for Standardization
Organisation Internationale de Normalisation
Международная Организация по Стандартизации

Doc Type:	Working Group Document
Title:	Final proposal to encode CJK Unified Ideographs Components
Source:	China and TCA
Author:	Kushim Jiang (姜兆勤), Liu Huidan (刘汇丹)*,
	Tao Yang (陶扬), Eiso Chan (陈永聪), Chen Ken (陈恳),
	Liu Zhao (刘钊), Richard Zou (邹童), Zhang Chenming (张辰明),
	Selena Wei (魏林梅), Yenling Tseng (曾彦玲), Chanhuan Liu (吕兆歡)
Affiliation:	Institute of Software, Chinese Academy of Sciences (ISCAS)
	China Electronics Standardization Institute (CESI)
	Culture and Art Publishing House (CAAPH)
	Beijing Founder Electronics Co., Ltd. (BDFZ)
	Central Academy of Fine Arts (CAFA), LiuZhao Studio (LZS)
	Qinghai Normal University (QNU)
	Chinese Foundation for Digitization technology (CMEX)
Status:	Member's Submission
Action:	To be considered by IRG
Date:	2026–03–11

0   Executive summary

This proposal is a revised version of:

· IRG N2733R, "Preliminary proposal to encode 131 CJKV components for GF 3001—1997 and GF 0014—2009"
· IRG N2799, "Updated proposal to encode CJKV components to UCS"
· IRG N2878, "Updated proposal to encode CJK Unified Ideographs Components"
· IRG N2878R, "Updated proposal to encode CJK Unified Ideographs Components and CJK Unified Ideographs Jianzi Musical Notation Components"

and it incorporates comments made by the IRG and other experts in:

· IRG N2702, "IRG Meeting #63 Recommendations and Action Items" (for encoding CJKV components, see Recommendation IRG M63.17)
· IRG N2765, "IRG Meeting #64 Recommendations and Action Items" (for encoding CJKV components, see Recommendation IRG M64.19)
· IRG N2826, "IRG Meeting #65 Recommendations and Action Items" (for encoding CJKV components, see Recommendation IRG M65.23)

to propose encoding 119 characters in **CJK Unified Ideographs Components-A** block, and 375 characters in **CJK Unified Ideographs Components-B** block.

---

* Corresponding author, Email: huidan *at* iscas *dot* ac *dot* cn.

1 Repertoire

For introductions to each source in the first batch of repertoire, please refer to IRG N2878R. This document does not repeat those introductions; it only covers changes since the last release. These changes primarily came from IRG N2895, along with some private communications sent to the authors.

IRG N2878R

CJK components and CJK fragments. The working group has long noted that many CJK components also appear in keyboard mappings for input methods, such as Wubi 五筆, Cangjie 倉頡, Zhengma 鄭碼, etc. It should be noted that these objects, which appear to be CJK components, should be understood as fragments of CJK ideographs. The process of decomposing CJK ideographs into fragments is based purely on statistical results and manual intervention; it does not inherently contain any information regarding rationale. Therefore, the working group rejects all proposals originating from input methods and will not accept these fragments in the long term.

242 unencoded components from the draft China national standard. Compared to the previous version, the 220 components become 220 components in this document, with three components removed and three components added. The component 甹 is removed and remapped to u26954 (*c.f.* IRG N2895 §3.25). The component 乩 is removed, and all the representative glyphs containing this component (飢圯嚩祝) will be updated. The component 冊 is removed, as its relations to u2054B is undetermined. The component 宀 was mapped to 冖 and is then disunified (*c.f.* IRG N2895 §5.2). The component 宀 was mapped to 𠂉 or 勹 and is then disunified (*c.f.* IRG N2895 §5.1 and §5.3, note that **T-source** also has this contrast and has announced the disunification, and the previous one is mapped to 𠂉). The component 帀 was mapped to 帀 and is then disunified (*c.f.* IRG N2895 §5.5). Also note that, the component 互 is updated to 互, and all the representative glyphs containing this component (㪅竰疊襹) will be updated. During the repertoire inspection, **G-source** moved two components (臣 and 𣎴) from **GCA-source**, performed horizontal extension on 19 characters, and added the component 鳥 (used in 鴕 and 驩, also found in **Wenlin E54F**).

119 unencoded components from the Jianzi Musical Notation encoding project. Compared to the previous version, the 121 fingering letters become 119 fingering letters in this document, with two fingering letters (臣 and 𣎴) removed, as they could be utilized as components (*c.f.* IRG N2895 §3.26 and §3.27).

202 unencoded components from Hong Kong. Compared to the previous version, the 205 components become 202 components in this document, with three components removed. The component 艹 is removed and remapped to u2EBE. The components 七 and 𠃔 had been removed, and since the component 七 can be found in 常用字字形表 (二零零七年重排本, 附粵普字音及英文解釋) and 香港中學生文言字典 (增訂二版). This indicates that different domains have not yet uniformly adopted the same convention, so the components 七 and 𠃔 were added back to this document. Also note that, according to the latest *Reference Glyphs for Chinese Computer Systems in Hong Kong* (香港電腦漢字參

考字形), the component ⼔ has been updated to ⼔, and the component 求 has been updated to 求. But they are still retained for the same reason. According to IRG N2917 section 2 and section 3, the components 七 and 㠯 are now removed again.

347 unencoded components from TCA. Compared to the previous version, the 192 components become 192 components in this document, with one component removed and one component added. The component ⺿ is removed and remapped to u2EBE. The component 耒 is horizontally extended as used in 𪐺蛛鯀. On 21 December 2025, TCA provided the complete data, with another 154 CJK components horizontally extended. TCA also provides a candidate for the former **HCP-source** character. This results in 347 unencoded CJK components from TCA in total.

20 unencoded components from Wenlin (UAX #45). The components contained in this source remain unchanged in this document, but it is worth noting that we have identified the fonts for the Wenlin components. The four fonts (Main, Ext. B, PUA and Shuowen) are embedded as WOFFs on Wenlin's official website (wenlin.co), and their typeface name is *Wenlin CDL Songti*. These fonts warrant further research and standardization.

5 unencoded components from SAT. SAT provided two documents concerning CJK component data on 24 October 2025. The document (hereinafter referred to as Document A, not released) entitled *SAT Auxiliary Components for IDS Use (Version 3)* includes 14 CJK components (six of them have been encoded), and the document (hereinafter referred to as Document B, not released) containing data for all characters related to components filtered from the SAT Gaiji Database includes 6 characters. Analysis indicates that all characters in Document A can be treated as ideographs rather than components. Therefore, it is recommended that they be submitted as ideographs in the future. All characters in Document B can be submitted as components, with component 拜 already included in WS2024 (WS2024-00042, **GZHSJ-0044**). SAT may consider applying horizontal extension. This results in 5 unencoded CJK components from SAT.

Horizontal extension from WS2024. Due to their different functions, WS2024-01312 (⺄, **UTC-03377**) is disunified to ⺄, thus is removed from this document and moved back to the working set. Also note that, the representative glyph of WS2024-00065 (⼂, **GZHSJ-0102**) will be updated to ⼂ to match the first evidence. The following lists all glyphs that will be removed from WS2024.

Serial Number	Glyph Image	Source References
WS2024-00008	壬	KC-10175
WS2024-00032	刂	VN-F1F1F
WS2024-00093	云	GZHSJ-0024
WS2024-00097	旅	UK-30618
WS2024-00249	凸	GCW-00019 → G5-3342
WS2024-00827	夫	GZHSJ-0006 → G5-3557
WS2024-02203	𠃌	SAT-10292
WS2024-03132	畫	UTC-03248
WS2024-03779	车	UTC-00792
WS2024-04237	馬	GCW-00243
WS2024-04263	弓	GCW-00244

Individual contributions. The working group reviewed all proposals submitted by individuals and rejected all their submissions. The primary reason is that the relationship between these components and the example glyphs is neither a rational decomposition nor a visual decomposition, and therefore is not acceptable. If searching for glyphs using this component in UCS that satisfy rational decomposition or visual decomposition, they all fall outside GB 18030 Implementation Level 2 and thus beyond the scope of analysis. The working group considers them still eligible for submission to the second or subsequent batches of repertoire.

CJK components as CJK ideographs. Earlier versions of this document have noted that many CJK components within its scope are themselves CJK ideographs, which is entirely normal. Evidently, there is no explicit boundary between CJK components and CJK ideographs. As materials are supplemented, instances where certain CJK components are used as evidence for CJK ideographs may emerge. From the perspectives of textual behavior, East Asian width, vertical orientation, and so forth, there is no difference between CJK ideographs and CJK components. Therefore, these characters designated as CJK components should be regarded as a category of CJK ideographs grouped together due to their component usage.

Response to IRG N2917. The working group discussed this document and responded as follows. (1) Past meetings have reached a consensus that these characters are fully consistent with CJKUI behavior and are proposed solely for the purpose of component collection. (2) Agree to remove **HCP-00033** and proceed accordingly. (3) Agree to remove **HCP-00400** and proceed accordingly. (4) To ensure character position stability, a secondary radical has been added. (5) Agree and have modified the relevant paragraph.

2 Source References

GCA-source. Due to the removal of two fingering letters, the GCA-source has been renumbered, with the new numbers occupying **GCA-Y0028** to **GCA-Y0146**.

GCP-source. The new numbering system is divided into two segments. The first segment remains derived from IRG N2878R (**GCP-00001** to **GCP-00214**), while the second segment is reserved for horizontally extended components (**GCP-00215** to **GCP-00237**). Note that the source reference for 聿 has been updated to **GCA-J0374**, and the source reference for 六 has been updated to **G5-3557**. Note that although the component 冊 is removed, its source reference is kept.

TCP-source. The newly added component 耒 is assigned **6-0021-03** in the Component ORT, and after 154 components been horizontally extended, the TCP-source has been renumbered, with the newly added components occupying **TCP-01141** to **TCP-01296** (two components of them are removed, but their source references are kept).

The following provides information on the newly established source references.

```
GCP-[0-9]{5} | (GCP-ddddd)
CJK components from China. The components from GCP-00001 to GCP-00130 derive from
GF 3001-1997 (Chinese Character Component Standard of GB 13000.1 Character Set for
Information Processing, 信息处理用 GB 13000.1 字符集汉字部件规范), GF 0014-2009
(Specification of Common Modern Chinese Character Components and Component Names,
现代常用字部件及部件名称规范), GF 0011-2022 (The Table of Indexing Chinese
```

Character Component, 汉字部首表), and the components from GCP-00131 to GCP-00237 are decomposed from characters in GB 18030 implementation level two.

HCP-[0-9]{5} | (HCP-ddddd)
CJK components from HKSAR. The components from HCP-00001 to HCP-00644 derive from the document "Table of Basic Components for Song Style (Print Style) Chinese Font in Hong Kong 香港電腦漢字宋體 (印刷體) 字形基礎部件表".

TCP-[0-9]{5} | (TCP-ddddd)
CJK components from TCA. The components from TCP-00001 to TCP-00517 derive from TCA-CNS 11643-2 (Basic components and component attributes for Chinese characters, 中文字基礎部件及部件屬性). The components from TCP-01000 to TCP-01140 derive from the CJK Components Review Tool (中日韓部件校閱工具), with the website <https://comp.cmex.org.tw/>. The components from TCP-01141 to TCP-01296 are from the horizontal extension of characters within the CJK component block.

3 Attached Data

The attachment to this PDF file contains six font files (note: *vcp.ttf* corresponds to **VN-source**; *ucp.ttf* corresponds to **UTC-source**, **SAT-source** and all the horizontally extended components).

The file *component.txt* contains metadata that conforms to the Unihan Database format requirements. With minor modifications, it can be adapted to produce data compliant with the Unipage format requirements.

(End of Document)

Code	Char	Radical	GCA
2FA20	哥	一 1.6	GCA-Y0028
2FA21	如	一 1.6	GCA-Y0029
2FA22	㗊	一 1.7	GCA-Y0030
2FA23	㗊	一 1.8	GCA-Y0031
2FA24	�	一 1.9	GCA-Y0032
2FA25	韋	一 1.10	GCA-Y0033
2FA26	人	丿 4.1	GCA-Y0034
2FA27	包	乙 5.2	GCA-Y0035
2FA28	巴	乙 5.3	GCA-Y0036
2FA29	邑	乙 5.4	GCA-Y0037
2FA2A	亢	亠 8.3	GCA-Y0038
2FA2B	麥	亠 8.5	GCA-Y0039
2FA2C	斎	亠 8.6	GCA-Y0040
2FA2D	定	亠 8.7	GCA-Y0041
2FA2E	疒	亠 8.7	GCA-Y0042
2FA2F	竟	亠 8.8	GCA-Y0043
2FA30	㷀	亠 8.9	GCA-Y0044
2FA31	冣	亠 8.12	GCA-Y0045
2FA32	合	人 9.3	GCA-Y0046
2FA33	夋	人 9.4	GCA-Y0047
2FA34	弅	八 12.4	GCA-Y0048
2FA35	恭	八 12.6	GCA-Y0049
2FA36	㒸	八 12.7	GCA-Y0050
2FA37	羔	八 12.7	GCA-Y0051
2FA38	兆	八 12.8	GCA-Y0052
2FA39	弓	冂 13.2	GCA-Y0053
2FA3A	𠕋	冂 13.4	GCA-Y0054
2FA3B	𠕋	冂 13.4	GCA-Y0055
2FA3C	冏	冂 13.4	GCA-Y0056
2FA3D	㝬	冂 13.6	GCA-Y0057
2FA3E	冒	冖 14.4	GCA-Y0058
2FA3F	㝈	冖 14.5	GCA-Y0059
2FA40	冩	冖 14.6	GCA-Y0060
2FA41	㿝	冖 14.6	GCA-Y0061
2FA42	㒻	冖 14.8	GCA-Y0062
2FA43	劰	力 19.4	GCA-Y0063
2FA44	匍	勹 20.5	GCA-Y0064
2FA45	匔	勹 20.6	GCA-Y0065
2FA46	卄	十 24.1	GCA-Y0066
2FA47	卡	十 24.2	GCA-Y0067
2FA48	卓	十 24.3	GCA-Y0068
2FA49	卜	卜 25.0	GCA-Y0069
2FA4A	卿	卩 26.7	GCA-Y0070
2FA4B	㕁	厂 27.5	GCA-Y0071
2FA4C	厔	厂 27.5	GCA-Y0072
2FA4D	㕑	厂 27.6	GCA-Y0073
2FA4E	龠	厂 27.8	GCA-Y0074
2FA4F	台	厶 28.4	GCA-Y0075
2FA50	弁	厶 28.5	GCA-Y0076
2FA51	叕	厶 28.8	GCA-Y0077
2FA52	辱	又 29.4	GCA-Y0078
2FA53	叠	又 29.8	GCA-Y0079
2FA54	㖾	口 30.4	GCA-Y0080
2FA55	憂	口 30.11	GCA-Y0081
2FA56	囗	囗 31.2	GCA-Y0082
2FA57	圃	囗 31.8	GCA-Y0083
2FA58	圂	囗 31.9	GCA-Y0084
2FA59	團	囗 31.11	GCA-Y0085
2FA5A	㙂	土 33.8	GCA-Y0086
2FA5B	夲	大 37.2	GCA-Y0087
2FA5C	夵	大 37.3	GCA-Y0088
2FA5D	夵	大 37.3	GCA-Y0089
2FA5E	奐	大 37.4	GCA-Y0090
2FA5F	奇	大 37.5	GCA-Y0091
2FA60	章	大 37.6	GCA-Y0092
2FA61	奰	大 37.13	GCA-Y0093
2FA62	奵	女 38.3	GCA-Y0094
2FA63	宙	子 39.4	GCA-Y0095
2FA64	尌	寸 41.6	GCA-Y0096
2FA65	沵	小 42.3	GCA-Y0097
2FA66	峃	小 42.5	GCA-Y0098
2FA67	㷀	小 42.13	GCA-Y0099
2FA68	㷉	巛 47.4	GCA-Y0100
2FA69	㢲	巛 47.5	GCA-Y0101
2FA6A	巤	巛 47.5	GCA-Y0102
2FA6B	巢	巛 47.5	GCA-Y0103
2FA6C	㠯	己 49.5	GCA-Y0104
2FA6D	㠱	己 49.10	GCA-Y0105
2FA6E	粜	弓 57.7	GCA-Y0106
2FA6F	徃	彳 60.4	GCA-Y0107

— 2 —

2FA70 彳 60.7 徣 GCA-Y0108		2FA84 癶 105.9 𪭈 GCA-Y0128	
2FA71 文 67.2 斈 GCA-Y0109		2FA85 癶 105.12 𤼩 GCA-Y0129	
2FA72 方 70.4 𣃚 GCA-Y0110		2FA86 白 106.9 𪭝 GCA-Y0130	
2FA73 日 72.5 曷 GCA-Y0111		2FA87 矢 111.5 短 GCA-Y0131	
2FA74 日 72.9 暘 GCA-Y0112		2FA88 立 117.1 立 GCA-Y0132	
2FA75 曰 73.5 𣇄 GCA-Y0113		2FA89 立 117.3 竒 GCA-Y0133	
2FA76 曰 73.7 𣇎 GCA-Y0114		2FA8A 糸 120.3 �糸 GCA-Y0134	
2FA77 木 75.1 杰 GCA-Y0115		2FA8B 糸 120.6 綃 GCA-Y0135	
2FA78 木 75.2 杢 GCA-Y0116		2FA8C 糸 120.7 𥿻 GCA-Y0136	
2FA79 木 75.2 朰 GCA-Y0117		2FA8D 糸 120.7 綡 GCA-Y0137	
2FA7A 木 75.2 枺 GCA-Y0118		2FA8E 糸 120.9 緭 GCA-Y0138	
2FA7B 木 75.3 枺 GCA-Y0119		2FA8F 糸 120.9 緗 GCA-Y0139	
2FA7C 木 75.4 枈 GCA-Y0120		2FA90 糸 120.11 繥 GCA-Y0140	
2FA7D 木 75.6 棗 GCA-Y0121		2FA91 艸 140.6 荓 GCA-Y0141	
2FA7E 木 75.6 桼 GCA-Y0122		2FA92 艸 140.6 荡 GCA-Y0142	
2FA7F 止 77.3 𣥂 GCA-Y0123		2FA93 足 157.4 𨂂 GCA-Y0143	
2FA80 爪 87.3 妥 GCA-Y0124		2FA94 辵 162.3 辿 GCA-Y0144	
2FA81 田 102.2 甼 GCA-Y0125		2FA95 辵 162.3 过 GCA-Y0145	
2FA82 田 102.5 畍 GCA-Y0126		2FA96 阜 170.4 阤 GCA-Y0146	
2FA83 癶 105.5 𤼇 GCA-Y0127			

Code Point	Ref	Sources
2FAA0	一 1.1	GCP-00022, TCP-01016, HCP-00028
2FAA1	一 1.1	GCP-00218, TCP-01015, HCP-00029
2FAA2	一 1.1	GCP-00017, TCP-01141
2FAA3	一 1.1	GCP-00003, TCP-00031, HCP-00035
2FAA4	一 1.1	TCP-01014
2FAA5	一 1.2	TCP-01036, HCP-00109
2FAA6	一 1.2	GCP-00021, TCP-00098, HCP-00113
2FAA7	一 1.2	GCP-00110, TCP-01038, HCP-00117
2FAA8	一 1.2	TCP-00034
2FAA9	一 1.2	GCP-00159, TCP-01142
2FAAA	一 1.2	TCP-00141, HCP-00180
2FAAB	一 1.3 / 丿 4.3	GCP-00029, TCP-00228, HCP-00284
2FAAC	一 1.3	GCP-00121, TCP-01072, HCP-00225
2FAAD	一 1.3	GCP-00076, TCP-01143
2FAAE	一 1.3	GCP-00144, TCP-01144
2FAAF	一 1.3	GCP-00145, TCP-01145
2FAB0	一 1.3	GCP-00160, TCP-01146
2FAB1	一 1.3	GCP-00215, TCP-01147
2FAB2	一 1.3	GCP-00143, TCP-01081, HCP-00234
2FAB3	一 1.3	GCP-00172
2FAB4	一 1.3	GCP-00204, TCP-01148, VN-F016A
2FAB5	一 1.4	GCP-00117, TCP-01149
2FAB6	一 1.4	GCP-00099, TCP-01150, HCP-00358
2FAB7	一 1.4	GCP-00102, TCP-01151
2FAB8	一 1.4	GCP-00140, TCP-01152
2FAB9	一 1.4	GCP-00216, TCP-01153
2FABA	一 1.4	GCP-00088, TCP-01154, HCP-00361
2FABB	一 1.4	GCP-00089, HCP-00368, SAT-10577
2FABC	一 1.4	TCP-00300, HCP-00381
2FABD	一 1.4	TCP-00330, HCP-00414
2FABE	一 1.4	GCP-00182, TCP-01155
2FABF	一 1.5	GCP-00141, TCP-01156, KC-10175
2FAC0	一 1.5	HCP-00458
2FAC1	一 1.5	GCP-00035, TCP-00358, HCP-00446
2FAC2	一 1.5	GCP-00037, TCP-00377, HCP-00463
2FAC3	一 1.5	TCP-00378, HCP-00464
2FAC4	一 1.5	GCP-00043, TCP-00373, HCP-00465
2FAC5	一 1.6	GCP-00074, TCP-01157
2FAC6	一 1.6	GCP-00147, TCP-01158, HCP-00542
2FAC7	一 1.6	GCP-00048, TCP-01159, HCP-00522
2FAC8	一 1.6	GCP-00073, TCP-01160, HCP-00529, SAT-10489
2FAC9	一 1.6	GCP-00040, TCP-01161, HCP-00533
2FACA	一 1.6	GCP-00122, TCP-01162, VN-F010E
2FACB	一 1.6	GCP-00161, TCP-01163
2FACC	一 1.7	TCP-01164, HCP-00574, UTC-00817
2FACD	一 1.7	GCP-00114, TCP-01165, HCP-00575
2FACE	一 1.7	GCP-00061, TCP-00450, HCP-00578
2FACF	一 1.7	GCP-00151, TCP-00496
2FAD0	一 1.7	GCP-00152, TCP-00455
2FAD1	一 1.7	GCP-00086, TCP-00456, HCP-00583, VN-F1F1D
2FAD2	一 1.7	GCP-00126, TCP-00464
2FAD3	一 1.9	TCP-01166, HCP-00633
2FAD4	一 1.9	TCP-00506, HCP-00632
2FAD5	一 1.10	TCP-01167, HCP-00631
2FAD6	一 1.10	GCP-00109
2FAD7	一 1.10	GCP-00157, TCP-01168
2FAD8	一 1.10	VN-F0161
2FAD9	一 1.11	GCP-00158, TCP-01169

2FADA 一 1.11	GCP-00163	TCP-01170	HCP-00636
2FADB ∣ 2.1	GCP-00016	TCP-01025	
2FADC ∣ 2.1	GCP-00015	TCP-01171	VN-F1F1F
2FADD ∣ 2.2	GCP-00005	TCP-01117	HCP-00145
2FADE ∣ 2.2	GCP-00167	TCP-01172	
2FADF ∣ 2.3	TCP-00230	HCP-00224	
2FAE0 ∣ 2.3	TCP-00229		
2FAE1 ∣ 2.3	GCP-00069	TCP-01086	HCP-00261
2FAE2 ∣ 2.3	GCP-00092	TCP-00216	HCP-00276
	SAT-06919		
2FAE3 ∣ 2.3	GCP-00001	TCP-01075	HCP-00310
2FAE4 ∣ 2.4	GCP-00068	TCP-00346	HCP-00382
2FAE5 丶 3.2	GCP-00008	TCP-01055	HCP-00184
2FAE6 丶 3.2	GCP-00211	TCP-00136	HCP-00169
2FAE7 丶 3.3	GCP-00042	TCP-00252	HCP-00314
2FAE8 丿 4.1	GCP-00038	TCP-00043	HCP-00051
2FAE9 丿 4.1	GCP-00039	TCP-01173	
2FAEA 丿 4.1	GCP-00014	TCP-00068	
2FAEB 丿 4.1	GCP-00093	TCP-00065	HCP-00079
2FAEC 丿 4.1	TCP-01017	HCP-00078	

2FAED 丿 4.1	GCP-00023	TCP-00062	
2FAEE 丿 4.2	GCP-00054	TCP-01047	HCP-00156
2FAEF 丿 4.2	GCP-00115	TCP-00124	HCP-00159
2FAF0 丿 4.2	GCP-00075	TCP-00129	HCP-00164
2FAF1 丿 4.2	GCP-00079	TCP-01174	
2FAF2 丿 4.2	GCP-00087	TCP-00235	HCP-00165
2FAF3 丿 4.2	TCP-00137		
2FAF4 丿 4.2	TCP-00133		
2FAF5 丿 4.3	GCP-00066	TCP-01091	HCP-00283
2FAF6 丿 4.3	GCP-00128	TCP-01175	
2FAF7 丿 4.3	GCP-00031	TCP-00244	HCP-00306
2FAF8 丿 4.3	TCP-01078	HCP-00308	
2FAF9 丿 4.3	TCP-01076	HCP-00301	
2FAFA 丿 4.3	GCP-00206	TCP-01176	
2FAFB 丿 4.4	GCP-00090	TCP-00328	HCP-00412
2FAFC 丿 4.4 舟 137.-1	GCP-00192	TCP-01177	
2FAFD 丿 4.5	GCP-00080	TCP-01178	HCP-00492
2FAFE 丿 4.5	HCP-00498		
2FAFF 丿 4.7	GCP-00071	TCP-00436	HCP-00599
2FB00 丿 4.8	TCP-01179	HCP-00627	

2FB01 丿 4.9	GCP-00183		
2FB02 乙 5.1	GCP-00065	TCP-00073	HCP-00087
2FB03 乙 5.1	GCP-00105	TCP-01180	
2FB04 乙 5.1	TCP-00091	HCP-00077	
2FB05 乙 5.1	GCP-00083	TCP-01181	
2FB06 乙 5.1	GCP-00096	TCP-01045	HCP-00146
2FB07 乙 5.1	GCP-00020	TCP-00078	
2FB08 乙 5.1	GCP-00058	TCP-00035	HCP-00042
2FB09 乙 5.1	TCP-00036		
2FB0A 乙 5.1	GCP-00059		
2FB0B 乙 5.2	GCP-00045	TCP-01059	HCP-00195
2FB0C 乙 5.2	GCP-00030	TCP-00158	HCP-00212
2FB0D 乙 5.2	GCP-00094	TCP-01060	HCP-00213
2FB0E 乙 5.3	TCP-00270	HCP-00339	
2FB0F 乙 5.4	GCP-00213	TCP-01182	
2FB10 乙 5.5	GCP-00209	TCP-01183	
2FB11 乙 5.6	GCP-00210	TCP-01184	
2FB12 乙 5.6	GCP-00060	TCP-00445	HCP-00568
2FB13 亠 8.2	GZHSJ-0024	TCP-01185	
2FB14 亠 8.4	GCP-00120	TCP-01186	

Code	Radical.Stroke	Glyph sources
2FB15	宀 8.4	GCP-00124, TCP-01187
2FB16	宀 8.4	GCP-00013, TCP-01188, HCP-00502
2FB17	宀 8.5	GCP-00201, TCP-01189
2FB18	宀 8.8	GCP-00202, TCP-01190, UK-30618
2FB19	人 9.0	TCP-00047, HCP-00059
2FB1A	人 9.1	GCP-00186, TCP-01191
2FB1B	人 9.4	GCP-00194, TCP-01192
2FB1C	儿 10.0	TCP-00050, HCP-00075
2FB1D	儿 10.0	TCP-00056, HCP-00074
2FB1E	儿 10.1	TCP-01041, HCP-00136
2FB1F	儿 10.1	TCP-00172
2FB20	儿 10.3	GCP-00049, TCP-00309, HCP-00397
2FB21	儿 10.3	TCP-01104
2FB22	儿 10.3	GCP-00050, TCP-01193, HCP-00398
2FB23	儿 10.4	GCP-00077, TCP-01194, HCP-00447
2FB24	儿 10.5	GCP-00188, TCP-01195
2FB25	入 11.0	TCP-00052, HCP-00057
2FB26	八 12.0	TCP-00049, HCP-00055
2FB27	八 12.1	GCP-00193, TCP-01196
2FB28	八 12.2	GCP-00063, TCP-01197, HCP-00316
2FB29	八 12.2	TCP-01198, HCP-00349
2FB2A	八 12.2	GCP-00053, TCP-01199
2FB2B	八 12.2	GCP-00052, TCP-00242, HCP-00292
2FB2C	八 12.3	GCP-00125, TCP-01200, VN-F0171
2FB2D	八 12.4	GCP-00168, TCP-01201
2FB2E	八 12.5	GCP-00129, TCP-01202
2FB2F	八 12.5	TCP-01203, HCP-00564
2FB30	八 12.6	GCP-00119, TCP-01204
2FB31	八 12.6	TCP-01205, HCP-00607
2FB32	八 12.8	TCP-01138
2FB33	冂 13.0	GCP-00010, TCP-00041, HCP-00048
2FB34	冂 13.1	GCP-00111, TCP-01046, HCP-00155
2FB35	冂 13.1	GCP-00170
2FB36	冂 13.1	GCP-00171, TCP-01206
2FB37	冂 13.1	GCP-00185, TCP-01207
2FB38	冂 13.2	TCP-00212
2FB39	冂 13.3	GCP-00118
2FB3A	冂 13.4	TCP-01295
2FB3B	冂 13.4	GCP-00081, TCP-01209, HCP-00473
2FB3C	冂 13.3	GCP-00034
2FB3D	冂 13.4	TCP-00379, HCP-00475
2FB3E	冂 13.5	GCP-00176, TCP-01210
2FB3F	冂 13.9	GCP-00178, TCP-01211
2FB40	冂 13.13	GCP-00180
2FB41	冖 14.1	GCP-00084, TCP-01057, HCP-00189
2FB42	冖 14.2	TCP-00256, HCP-00324
2FB43	冖 14.2	TCP-00260
2FB44	冖 14.3	VN-F071C
2FB45	冖 14.3	VN-F0761
2FB46	冖 14.6	GCP-00113, TCP-01212, HCP-00604
2FB47	冖 14.7	GCP-00112, TCP-01213, HCP-00624
2FB48	几 16.0	TCP-00059, HCP-00071
2FB49	刀 18.1	GCP-00085, TCP-01048, HCP-00168
2FB4A	刀 18.3	GCP-00047, TCP-01214, HCP-00422, SAT-02567
2FB4B	刀 18.4	GCP-00197, TCP-01215
2FB4C	刀 18.4	GCP-00198, TCP-01216
2FB4D	勹 20.0	GCP-00195, TCP-00061, HCP-00080
2FB4E	勹 20.3	GCP-00196, TCP-01217
2FB4F	勹 20.4	GCP-00199, TCP-01218

Code	Radical	Source 1	Source 2	Source 3
2FB50	比 21.0	GCP-00004	TCP-00025	HCP-00038
2FB51	比 21.0	TCP-00026	HCP-00036	
2FB52	比 21.0	HCP-00037		
2FB53	比 21.0	TCP-01013	HCP-00062	
2FB54	比 21.0	TCP-00027		
2FB55	比 21.2	VN-F1F7B		
2FB56	十 24.1	GCP-00181	TCP-01032	HCP-00158
2FB57	十 24.2	GCP-00142	TCP-01219	
2FB58	十 24.5	GCP-00149	TCP-01220	
2FB59	十 24.6	GCP-00153	TCP-01221	
2FB5A	十 24.8	GCP-00155	TCP-01222	
2FB5B	卜 25.3	GCP-00164	TCP-01223	
2FB5C	卜 25.7	GCP-00165	TCP-01224	
2FB5D	卜 25.8	GCP-00166	TCP-01225	
2FB5E	卩 26.0	GCP-00033	TCP-00077	
2FB5F	卩 26.1	HCP-00572		
2FB60	又 29.0	TCP-00085	HCP-00099	
2FB61	又 29.0	GCP-00006	TCP-00086	HCP-00100
2FB62	又 29.2	TCP-01079		
2FB63	又 29.2	GCP-00212	TCP-01226	
2FB64	口 30.1	GCP-00101	TCP-00213	HCP-00271
2FB65	口 30.1	TCP-01090	HCP-00273	
2FB66	口 30.2	GCP-00104	TCP-01227	
2FB67	口 30.2	TCP-01228	HCP-00395	
2FB68	口 30.2	TCP-01103		
2FB69	口 30.2	G5-3342		
2FB6A	口 30.3	HCP-00467		
2FB6B	口 30.4	GCP-00070	TCP-01229	HCP-00545
2FB6C	口 30.4	HCP-00546		
2FB6D	口 30.4	TCP-01230	HCP-00547	
2FB6E	口 30.5	GCP-00064	TCP-01231	HCP-00592
2FB6F	口 30.5	GCP-00177	TCP-01232	
2FB70	口 31.1	GCP-00187	TCP-01233	
2FB71	口 31.3	GCP-00046	TCP-01234	HCP-00477
2FB72	口 31.3	GCP-00175	TCP-01235	
2FB73	口 31.7	GCP-00189	TCP-01236	
2FB74	口 31.9	GCP-00179	TCP-01237	
2FB75	土 32.0	GCP-00131	TCP-00100	HCP-00119
		UTC-00803		
2FB76	土 32.1	TCP-01066	HCP-00229	
2FB77	土 32.1	TCP-00179		
2FB78	土 32.2	GCP-00123	TCP-01238	
2FB79	土 32.2	G5-3557	TCP-01239	
2FB7A	土 32.4	GCP-00148	TCP-01240	
2FB7B	土 32.5	TCP-00479	HCP-00617	
2FB7C	土 32.6	GCP-00154	TCP-01241	
2FB7D	土 33.0	GCP-00219	TCP-01029	HCP-00121
2FB7E	夂 34.0	TCP-01034	HCP-00173	
2FB7F	夂 34.1	GCP-00103	TCP-01242	HCP-00311
2FB80	夂 35.0	TCP-01033		
2FB81	大 37.0	TCP-00106	HCP-00133	
2FB82	大 37.1	TCP-00177	HCP-00232	
2FB83	大 37.2	GCP-00173	TCP-01243	
2FB84	大 37.2	TCP-01244		
2FB85	大 37.3	TCP-01108		
2FB86	女 38.0	GCP-00137	TCP-00156	HCP-00211
		UTC-00802		
2FB87	尸 44.1	GCP-00072	TCP-00262	HCP-00331
2FB88	屮 45.1	TCP-00199		
2FB89	山 46.0	GCP-00220	UTC-00806	

Code	Glyph variants
2FB8A 工 48.0	工 GCP-00221 / 工 TCP-00103 / 工 HCP-00124
2FB8B 工 48.0	工 GCP-00082 / 工 TCP-00074 / 工 HCP-00088
2FB8C 己 49.0	己 GCP-00018 / 己 TCP-00144 / 己 HCP-00202
2FB8D 己 49.0	巳 GCP-00019 / 巳 TCP-00147 / 巳 HCP-00198
2FB8E 己 49.0	巳 TCP-00146 / 巳 HCP-00199
2FB8F 己 49.2	巳 TCP-01296
2FB90 巾 50.0	巾 TCP-00123
2FB91 巾 50.3	帯 GCP-00098 / 帯 TCP-00388 / 帯 HCP-00484 / 帯 VN-F0067
2FB92 干 51.0	干 TCP-01028
2FB93 干 51.0	于 GCP-00026 / 于 TCP-01026 / 于 HCP-00114
2FB94 干 51.0	开 TCP-01027 / 开 HCP-00115
2FB95 广 53.4	声 GCP-00032 / 声 TCP-01245 / 严 HCP-00562 / 声 VN-F1F1C / 庐 UTC-00830
2FB96 廾 55.1	无 GCP-00106 / 无 TCP-01080 / 无 HCP-00233
2FB97 廾 55.4	朴 TCP-01246 / 朴 HCP-00537
2FB98 弋 56.1	弋 GCP-00138 / 弋 TCP-01247
2FB99 弋 56.2	弍 GCP-00146 / 弍 TCP-01248
2FB9A 弓 57.2	弖 GCP-00207 / 弖 TCP-01249
2FB9B ヨ 58.1	尹 GCP-00027 / 尹 TCP-01250 / 尹 HCP-00328
2FB9C ヨ 58.1	尹 GCP-00067 / 尹 TCP-00263 / 尹 HCP-00329
2FB9D ヨ 58.2	夬 GCP-00097 / 夬 TCP-00344 / 夬 HCP-00431
2FB9E ヨ 58.2	夬 TCP-00345 / 夬 HCP-00432
2FB9F ヨ 58.3	肀 TCP-01251 / 肀 HCP-00512
2FBA0 ヨ 58.4	兼 GCP-00051 / 兼 TCP-01252 / 兼 HCP-00566
2FBA1 ヨ 58.4	兼 TCP-01253 / 兼 HCP-00567
2FBA2 心 61.-1	心 GCP-00009 / 心 TCP-01063 / 心 HCP-00216
2FBA3 戈 62.1	弍 GCP-00139 / 弍 TCP-01254
2FBA4 戈 62.2	戋 GCP-00078 / 戋 TCP-00370 / 戋 HCP-00461
2FBA5 戈 62.4	戋 TCP-01255 / 戋 HCP-00603
2FBA6 戈 62.6	夈 GCP-00108 / 夈 TCP-01256 / 夈 HCP-00629
2FBA7 戈 62.6	戮 GCP-00184 / 戮 TCP-01257
2FBA8 戈 62.6	幾 GCP-00214 / 幾 TCP-01258
2FBA9 手 64.0	手 GCP-00041 / 手 TCP-00219 / 手 HCP-00285
2FBAA 文 67.0	文 GCP-00222 / 文 TCP-00248 / 文 HCP-00313 / 文 UTC-00808
2FBAB 无 71.0	旡 TCP-00201
2FBAC 无 71.0	旡 TCP-01068 / 旡 HCP-00260
2FBAD 日 72.2	甲 GCP-00044 / 甲 TCP-01259 / 甲 HCP-00466
2FBAE 日 72.5	電 GCP-00056 / 電 TCP-01260 / 電 HCP-00614
2FBAF 曰 73.2	史 GCP-00091 / 史 TCP-01261 / 史 HCP-00468
2FBB0 曰 73.3	更 TCP-00422 / 更 HCP-00528
2FBB1 木 75.0	木 GCP-00132 / 木 TCP-00185 / 木 HCP-00243 / 木 UTC-00797
2FBB2 木 75.0	朩 TCP-00186
2FBB3 木 75.0	朮 TCP-00188 / 朮 HCP-00245
2FBB4 木 75.1	未 TCP-01098 / 未 HCP-00356
2FBB5 木 75.1	未 TCP-01099
2FBB6 木 75.1	本 TCP-00288 / 本 HCP-00363
2FBB7 木 75.2	東 TCP-00365 / 東 HCP-00454
2FBB8 木 75.3	東 TCP-00424 / 東 HCP-00532
2FBB9 木 75.4	某 GCP-00150 / 某 TCP-01262 / 某 HCP-00589
2FBBA 木 75.4	東 TCP-01263 / 東 HCP-00580
2FBBB 木 75.4	果 TCP-01127 / 果 HCP-00591
2FBBC 木 75.5	柬 TCP-01264 / 柬 HCP-00611
2FBBD 木 75.6	槑 TCP-01265 / 槑 UTC-00813
2FBBE 止 77.0	止 GCP-00007 / 止 TCP-01266
2FBBF 止 77.0	止 TCP-00208 / 止 HCP-00263
2FBC0 止 77.3	疌 GCP-00095 / 疌 TCP-00389 / 疌 HCP-00480
2FBC1 毛 82.0	毛 TCP-01071

2FBC2 水 85.0	水 TCP-00276			
2FBC3 水 85.0	氺 GCP-00024	氺 TCP-01267	氺 HCP-00378	
2FBC4 水 85.0	氺 GCP-00025	氺 TCP-01268	氺 HCP-00376	
2FBC5 水 85.1	永 TCP-01105			
2FBC6 水 85.2	求 GCP-00236	求 TCP-00428		
2FBC7 水 85.2	求 GCP-00237	求 HCP-00524		
2FBC8 火 86.0	火 GCP-00134	火 TCP-00250	火 HCP-00318	
	火 UTC-00795			
2FBC9 火 86.2	㶴 GCP-00127	㶴 TCP-01269	㶴 SAT-10292	
2FBCA 火 86.10	熏 TCP-00511			
2FBCB 爪 87.0	爪 TCP-01073			
2FBCC 父 88.0	父 TCP-01074			
2FBCD 爿 90.0	爿 HCP-00343			
2FBCE 爿 90.4	戕 GCP-00162	戕 TCP-01270		
2FBCF 爿 90'.3	㸈 GCP-00169	㸈 TCP-01271		
2FBD0 犬 94.0	犬 TCP-00193	犬 HCP-00253		
2FBD1 犬 94.1	犮 TCP-01100			
2FBD2 玄 95.2	玄 GCP-00107	玄 TCP-00443	玄 HCP-00563	
2FBD3 瓜 97.0	瓜 TCP-00333	瓜 HCP-00418		
2FBD4 瓦 98.0	瓦 TCP-01101			
2FBD5 生 100.0	生 TCP-00323			
2FBD6 田 102.0	甩 GCP-00055	甩 TCP-00316	甩 HCP-00390	
2FBD7 田 102.0	申 TCP-00317	申 HCP-00389		
2FBD8 田 102.0	电 TCP-00315			
2FBD9 白 106.1	臼 GCP-00057	臼 TCP-01272	臼 HCP-00491	
2FBDA 白 106.6	㿟 VN-F047F			
2FBDB 皮 107.0	皮 TCP-00350	皮 HCP-00438		
2FBDC 皿 108.0	皿 TCP-01102	皿 HCP-00402		
2FBDD 矢 111.0	矢 TCP-01273	矢 UTC-00821		
2FBDE 禾 115.0	禾 GCP-00133	禾 TCP-00326	禾 HCP-00411	
	禾 UTC-00798			
2FBDF 禾 115.0	禾 TCP-00327			
2FBE0 禾 115.3	秉 TCP-01128			
2FBE1 穴 116.0	穴 GCP-00136	穴 TCP-01274	穴 UTC-00812	
2FBE2 立 117.0	立 TCP-00340	立 HCP-00425	立 UTC-00818	
2FBE3 米 119.0	米 GCP-00135	米 HCP-00507	米 UTC-00796	
2FBE4 米 119.3	粛 GCP-00116	粛 TCP-01275		
2FBE5 幺 120'.-1	幺 GCP-00002	幺 TCP-01276		
2FBE6 羊 123.0	羊 GCP-00223	羊 TCP-00408	羊 HCP-00504	
2FBE7 羊 123.3	並 GCP-00203	並 TCP-01277		
2FBE8 耒 127.0	耒 GCP-00224	耒 TCP-01109	耒 UTC-00819	
2FBE9 耒 127.0	耒 TCP-00386	耒 HCP-00482		
2FBEA 耳 128.0	耳 GCP-00225	耳 TCP-00357	耳 HCP-00445	
2FBEB 耳 128.1	耴 GCP-00208			
2FBEC 耳 128.2	耷 TCP-00448			
2FBED 聿 129.0	畫 GCA-J0374	畫 TCP-00411	畫 HCP-00511	
	畫 UTC-03248			
2FBEE 聿 129.0	聿 HCP-00510			
2FBEF 肉 130.0	多 TCP-00383			
2FBF0 肉 130.2	夃 GCP-00200	夃 TCP-01278		
2FBF1 臣 131.0	臥 GCP-00036	臥 TCP-00414	臥 HCP-00518	
2FBF2 臣 131.3	臨 GCP-00217			
2FBF3 至 133.0	至 TCP-00369			
2FBF4 臼 134.0	臼 TCP-00395	臼 HCP-00554		
2FBF5 臼 134.1	臼 TCP-01279	臼 HCP-00553		
2FBF6 臼 134.2	臾 TCP-01129	臾 HCP-00598		
2FBF7 臼 134.3	閄 GCP-00190	閄 TCP-01280		
2FBF8 臼 134.8	興 GCP-00191	興 TCP-01281	興 SAT-06206	
2FBF9 舌 135.2	舍 GCP-00226	舍 TCP-01282	舍 UTC-00800	
2FBFA 舟 137.0	舟 GCP-00227	舟 TCP-00397	舟 HCP-00496	

2FBFB 艮 138.-1	艮 GCP-00028	艮 TCP-00413	艮 HCP-00433
2FBFC 艮 138.0	艮 GCP-00228	艮 TCP-01110	艮 HCP-00515
2FBFD 艮 138.1	良 GCP-00205	良 TCP-01283	
2FBFE 艸 140.7	蒥 GCP-00156	蒥 TCP-01284	
2FBFF 衣 145.0	衣 TCP-00402	衣 HCP-00517	
2FC00 見 147.0	見 TCP-00433		
2FC01 豕 152.-1	豕 TCP-01285	豕 HCP-00500	
2FC02 豕 152.0	豕 TCP-01114	豕 HCP-00539	
2FC03 豕 152.1	豕 TCP-01126	豕 HCP-00585	
2FC04 车 159'.0	车 GCP-00130	车 TCP-01286	车 UTC-00792
2FC05 走 162.0	走 TCP-01122		
2FC06 辵 162.0	辵 TCP-01121		
2FC07 釆 165.0	釆 GCP-00229	釆 TCP-00440	釆 HCP-00559
2FC08 里 166.0	里 TCP-00430	里 HCP-00544	
2FC09 里 166.2	重 TCP-00481	重 HCP-00620	
2FC0A 雨 173.-4	帀 GCP-00062	帀 TCP-01083	帀 HCP-00247
2FC0B 革 177.1	革 GCP-00230	革 TCP-01287	革 HCP-00626
2FC0C 革 177.2	堇 GCP-00231	堇 TCP-01140	
2FC0D 韭 179.0	韭 TCP-00474		
2FC0E 馬 187.-4	馬 GCW-00243	馬 TCP-01288	馬 HCP-00442
2FC0F 马 187'.-1	马 GCW-00244	马 TCP-01024	马 HCP-00107
2FC10 马 187'.0	马 GCP-00232	马 TCP-01289	马 UTC-00807
2FC11 鱼 195'.0	鱼 GCP-00233	鱼 TCP-01290	鱼 UTC-00793
2FC12 鳥 196.-4	鳥 GCP-00012	鳥 TCP-00438	鳥 HCP-00557
2FC13 鸟 196'.-1	鸟 GCP-00011	鸟 TCP-01291	
2FC14 鸟 196'.0	鸟 GCP-00234	鸟 TCP-01292	
2FC15 黑 203.0	黑 GCP-00235	黑 TCP-01293	黑 UTC-00820
2FC16 鼎 206.-5	鼎 GCP-00100	鼎 TCP-01294	鼎 HCP-00569