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Universal Multiple-Octet Coded Character Set
International Organization for Standardization
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Doc Type: Working Group Document**Title: Towards an encoding of symbol characters used as emoji****Source: Irish and German National Bodies****Status: National Body Contribution****Action: For consideration by JTC1/SC2/WG2 and UTC****Date: 2009-04-06**

Documents N3582 “Proposal for Encoding Emoji Symbols” and N3583 “Emoji Symbols Proposed for New Encoding” from the Unicode Consortium propose to add 674 characters whose ultimate source is three separate coded character sets used by three mobile telephone carriers in Japan: NTT DoCoMo, KDDI, and Softbank. We recognize the interoperability concerns raised by the Unicode Consortium, and understand that this is the primary concern they have in terms of adding additional characters to the UCS.

We have also been aware that there have been many critics of the proposal to encode “emoji symbols” at all, due to the somewhat whimsical nature of a subset of the characters being proposed. Ireland and Germany take the view that the encoding of symbol sets in the UCS is legitimate and not to be avoided. We do, however, also take the view that symbol sets should be encoded in terms of the semantics of the characters. In the case of the characters proposed in N3583, we have identified certain gaps which should be filled for the encoded characters to “make sense” in the UCS.

It is our view that these characters are not “emoji symbols” despite their origin in coded character sets used in Japanese telephony. “Emoji” is a usage environment, not a semantic domain, and once these characters are encoded in the UCS they are nothing more than “symbols” available for use in any environment.

In this document we propose a number of modifications to the proposal. These modifications entail:

- Character glyph changes. In general, the reference glyphs for most of the characters in N3583 are either too “pictorial” or far too “cute” to be suitable for generic standardization. We are convinced that a character named PIG or BEAR should be represented as generically as possible in the UCS, even if a Japanese telephone implementation may represent them as smiling disembodied heads. Whilst Japanese *anime* drawings may be quite suitable for some implementation environments, that style is too specific for generically-named characters. We are of course open to discussion of the improvements or replacements we have suggested. Note also that there are many glyphs in the tables below which also ought to be replaced on the same basis, though we did not have the time to devise new glyphs for everything.
- Character name changes. We have tried to improve the names where more suitable names could be found. We have not been able (in the short time available to us) to supply a list of name deltas, but one might be generated on the basis of our mapping table.

- Character re-arrangement into more logical subsections, with a small amount of built-in room for expansion of subsections which have semantic domains which are likely to attract additional character additions.
- Character additions. Of the 674 characters proposed in N3583 we have serious concerns about encoding only 14 of them. However, as will be seen below we suggest a way of mitigating that concern. We propose about a 20% increase in the number of graphic characters added.

We will discuss the changes block by block. Code points will be given as in our revised code tables. A mapping table from N3583 to this document is given at the end of the document. In those tables, characters we propose to add to the repertoire are given in yellow; characters from N3583 which are moved to different blocks are coloured grey (characters re-arranged within a block are not coloured).

2300 Miscellaneous Technical. N3583 proposes to add 5 characters to this block, four double-triangles and one clock. We propose to move 6 user-interface characters from elsewhere in N3583 to this block, and to add additional user interface characters commonly found on hardware and software telephones, digital audio players, and similar contexts. These additions provide a more complete set of symbols needed for the composition of user instructional text. For example, U+231A WATCH and the new U+23F0 ALARM CLOCK proposed in N3583 are well-complemented by our proposed U+23F0 STOPWATCH and U+23F0 TIMER CLOCK. Some additional double triangle characters are added, as well as some user-interface symbols having to do with sound and muting, and a variety of arrows associated with playlist navigation.

2700 Dingbats. N3583 proposes to add 3 characters to this block, a check mark and two handshakes. We propose to move 8 punctuation-like characters and one star sparkle from elsewhere in N3583 to this block.

1F0A0 Playing Card Pips. N3583 proposes to add a single Joker character, but this makes no sense in the absence of an encoded set of cards as proposed in N2760 “Proposal to encode dominoes and other game symbols in the UCS”. The source documents—as well as the reference glyph in N3583—indicate that a playing-card Joker is intended, and the repertoire of playing card characters is well-known and canonical. Accordingly we propose to add one Joker which can be mapped to the Joker used in the emoji environment, a second Joker as found in many playing card decks, a generic card back, and a set of suited cards for both the 52-card deck most commonly used today and the 56-card decks used in some European games. (The difference is that the latter include a Knight in addition to Jack, Queen, and King.) These cards map completely to the Minor Arcana of the Western Tarot (from which they derive), and unification is appropriate. The 58 characters proposed here comprise about 38% of the graphic characters we propose for addition.

1F100. Enclosed Alphanumeric Supplement. We concur with the Irish NB’s comments on FPDAM 6 with regard to filling out the repertoire here. We have not counted these in our percentage tally of the graphic characters we propose for addition.

1F300 Miscellaneous Pictographic Symbols. We have divided this block into a number of notional sections. The first three columns contain Geographical, Astronomical, and Moon, Sun, and Star symbols. The next five columns contain Plant, Fruit, Food, and Beverage symbols. The next five columns contain

Celebration, Entertainment, Game, Music, and Sport Symbols. The last three columns are earmarked for Building and Map symbols. 20 of the 190 symbols proposed in this block are newly-proposed by us.

1F400 Miscellaneous Pictographic Symbols-A. The first four columns here contain Animal symbols. Of these, the first 25 are mappable to the animals used by various traditions to represent the different signs of the Asian Zodiac. 72% of these were already proposed in N3583; we have added 7 (the RAT, BULL, OX, CROCODILE, GOAT, SHEEP, and ROOSTER).

The remaining seven columns contain Facial Parts, Hand Signal, Clothing and Accessory, Portrait and Role, Fairy Tale, Role, Personal Care, Medical, Romance, Heart, and Comic-book style symbols. 17 of the 167 symbols proposed in this block are newly-proposed by us.

1F4B0 Letterlike Symbols Extended-A. We have moved most of the more obvious letterlike symbols in N3583 to this block, and allocated a total of five columns for extensions. None of the 21 symbols proposed in this block were proposed by us.

1F500 Miscellaneous Pictographic Symbols-B. This half block is nearly full with Money, Office, Communication, Audio and Video, Tool, Geometric Shape, and User-Interface symbols. 9 of the symbols proposed in this block are newly-proposed by us.

1F580 Transport and Map Symbols. This half block is about half full with Vehicle, Traffic Signs, and generic Signage symbols. 35 of the 68 symbols proposed in this block are newly-proposed by us.

1F600 Emoticons. Four columns are proposed here, though in reasonable expectation of expansion it might conceivably be wise to allocate seven. 3 of the 62 symbols proposed in this block are newly-proposed by us.

1F700 Alchemical Symbols. One character, the Zodiacal character OPHIUCHUS, used in emoji context. has been allocated to the Alchemical symbols block, because Western Zodiac symbols are used in alchemical contexts and this seems a better fit than a generic block for pictographs. If it were possible to move this character to the Miscellaneous Symbols block (by moving characters on the ballot there to positions in a different block), that would be preferable as it would allow all of the Western Zodiac symbols to be in the same block.

E0200 Symbols for Two-letter Codes. N3583 proposes to add 10 “Emoji regional indicator symbols” which clearly represent the People’s Republic of China (CN), Germany (DE), Spain (ES), France (FR), the UK (GB), Italy (IT), Japan (JP), Korea (KR), Russia (RU), and the US (US). In the context of telephony, these “regional indicator symbols” are represented by national flags. Germany (one of the 10 countries “lucky” enough to be included in emoji glyph sets) concurs with Ireland (one of the 193 countries “unlucky” enough *not* to be included in emoji glyph sets) that this is an inappropriate use of the UCS. Politically, the proposal made in N3583 is both naïve (no one is fooled) and untenable (being prejudicial against 95% of the world’s sovereign states). However, there is a simple way forward that will solve this otherwise insoluble problem.

We propose to encode a new block of 676 Symbols for Two-letter Codes, exhaustively representing the letter combinations from AA to ZZ and encoding them in Plane 14. These can be used for any purpose requiring graphic characters that might represent in any way two-letter codes, regardless of the meaning of those codes. ISO 639-1 language codes and ISO 3166-1 country codes are of course two of the obvious uses of these characters.

E0500 Emoji Compatibility Symbols. Both Germany and Ireland have very, very strong reservations about this block of characters. It is clear that what it amounts to is “stealth encoding” of characters which would never be permitted to be encoded otherwise. In an emoji context, these are obviously graphic symbols, but N3583 says only:

“Special, rarely used, carrier-specific symbols are proposed for encoding in the Emoji compatibility symbols block. They are needed to complete the set for interoperability but are only identified by their source mappings (N3585), not specific glyphs and names.”

We think that “stealth encoding” describes this pretty accurately.

We understand that some members of the Unicode Consortium may consider the allocation of these codepoints for this purpose to be essential to interoperability. Nevertheless, we consider it quite problematic to “encode” characters in the way that has been proposed. Our minimum requirement is to move this block to Plane 14, since the characters have no glyphs and are not intended to be true “graphic” characters.

In any case, we are hopeful that the Unicode Consortium will consider our request for a relatively few additional symbol characters as given here to be as compelling as they consider their own requirements to be.

Mapping Table. The column on the right gives the N3583 code positions; the right column gives the code positions proposed here. A tab-delimited text file is available.

23E9	23F0	1F307	1F307	1F32B	1F342	1F34F	1F466
23EA	23E9	1F308	1F308	1F32C	1F343	1F350	1F467
23EB	23EA	1F309	1F309	1F32D	1F33A	1F351	1F468
23EC	23EB	1F30A	1F311	1F32E	1F33B	1F352	1F469
23ED	23EC	1F30B	1F314	1F32F	1F334	1F353	1F46A
2705	2705	1F30C	1F313	1F330	1F335	1F354	1F46B
270A	270A	1F30D	1F319	1F331	1F33E	1F355	1F46C
270B	270B	1F30E	1F315	1F332	1F33D	1F356	1F46D
275F	275F	1F30F	1F31B	1F333	1F344	1F357	1F46E
2760	2760	1F310	1F4BA	1F334	1F330	1F358	1F470
2E32	2E32	1F311	1F4BB	1F335	1F33C	1F359	1F471
1F12E	1F12E	1F312	1F4BC	1F336	1F33F	1F35A	1F472
1F170	1F170	1F313	23F3	1F337	1F352	1F35B	1F473
1F171	1F171	1F314	1F572	1F338	1F34C	1F35C	1F474
1F17E	1F17E	1F315	1F573	1F339	1F34E	1F35D	1F475
1F18E	1F18E	1F316	1F574	1F33A	1F34A	1F35E	1F476
1F121	1F121	1F317	1F575	1F33B	1F353	1F35F	1F477
1F122	1F122	1F318	1F576	1F33C	1F349	1F360	1F478
1F231	1F231	1F319	1F577	1F33D	1F345	1F361	1F479
1F232	1F232	1F31A	1F578	1F33E	1F346	1F362	1F47A
1F233	1F233	1F31B	1F579	1F33F	1F348	1F363	1F47B
1F234	1F234	1F31C	1F57A	1F340	1F34D	1F364	1F47C
1F235	1F235	1F31D	1F57B	1F341	1F347	1F365	1F47D
1F236	1F236	1F31E	1F57C	1F342	1F351	1F366	1F627
1F237	1F237	1F31F	1F57D	1F343	1F34F	1F367	1F47F
1F238	1F238	1F320	1F774	1F344	1F440	1F368	1F480
1F239	1F239	1F321	1F30A	1F345	1F442	1F369	1F481
1F250	1F250	1F322	1F30D	1F346	1F443	1F36A	1F482
1F251	1F251	1F323	1F30B	1F347	1F444	1F36B	1F415
1F300	1F300	1F324	1F30C	1F348	1F445	1F36C	1F408
1F301	1F301	1F325	1F340	1F349	1F483	1F36D	1F40A
1F302	1F302	1F326	1F337	1F34A	1F484	1F36E	1F425
1F303	1F303	1F327	1F331	1F34B	1F485	1F36F	1F426
1F304	1F304	1F328	1F341	1F34C	1F486	1F370	1F424
1F305	1F305	1F329	1F338	1F34D	1F487	1F371	1F428
1F306	1F306	1F32A	1F339	1F34E	1F464	1F372	1F41F

1F373	1F40E	1F3B0	1F619	1F3ED	1F462	1F42A	1F384
1F374	1F416	1F3B1	1F61A	1F3EE	1F453	1F42B	1F385
1F375	1F405	1F3B2	1F61B	1F3EF	1F455	1F42C	1F38C
1F376	1F42C	1F3B3	1F61C	1F3F0	1F456	1F42D	1F386
1F377	1F401	1F3B4	1F61D	1F3F1	1F451	1F42E	1F388
1F378	1F40C	1F3B5	1F61E	1F3F2	1F454	1F42F	1F389
1F379	1F435	1F3B6	1F61F	1F3F3	1F452	1F430	1F38D
1F37A	1F419	1F3B7	1F620	1F3F4	1F457	1F431	1F38E
1F37B	1F41A	1F3B8	1F621	1F3F5	1F458	1F432	1F393
1F37C	1F434	1F3B9	1F622	1F3F6	1F459	1F433	1F392
1F37D	1F427	1F3BA	1F623	1F3F7	1F45A	1F434	1F38F
1F37E	1F420	1F3BB	1F624	1F3F8	1F45B	1F435	1F387
1F37F	1F42B	1F3BC	1F625	1F3F9	1F500	1F436	1F390
1F380	1F41B	1F3BD	1F62A	1F3FA	1F501	1F437	1F383
1F381	1F418	1F3BE	1F62B	1F3FB	1F509	1F438	1F38A
1F382	1F429	1F3BF	1F62C	1F3FC	1F502	1F439	1F38B
1F383	1F412	1F3C0	1F62D	1F3FD	1F503	1F43A	1F391
1F384	1F40F	1F3C1	1F62E	1F3FE	1F504	1F43B	1F52F
1F385	1F42E	1F3C2	1F62F	1F3FF	1F505	1F43C	1F52E
1F386	1F404	1F3C3	1F630	1F400	1F400	1F43D	1F540
1F387	1F407	1F3C4	1F631	1F401	E0241	1F43E	1F541
1F388	1F40D	1F3C5	1F632	1F402	E0252	1F43F	1F52D
1F389	1F414	1F3C6	1F633	1F403	E027A	1F440	1F530
1F38A	1F417	1F3C7	1F634	1F404	E0293	1F441	1F539
1F38B	1F430	1F3C8	1F635	1F405	E029D	1F442	1F53A
1F38C	1F422	1F3C9	1F636	1F406	E02E3	1F443	1F53B
1F38D	1F42F	1F3CA	1F637	1F407	E02F9	1F444	1F53C
1F38E	1F421	1F3CB	1F638	1F408	E0315	1F445	1F53D
1F38F	1F41C	1F3CC	1F639	1F409	E03CE	1F446	1F533
1F390	1F436	1F3CD	1F63A	1F40A	E041A	1F447	1F534
1F391	1F423	1F3CE	1F63B	1F40B	1F547	1F448	1F531
1F392	1F409	1F3CF	1F63C	1F40C	1F45C	1F449	1F4AC
1F393	1F42D	1F3D0	1F63D	1F40D	1F45D	1F44A	1F535
1F394	1F435	1F3D1	1F3D0	1F40E	23F4	1F44B	1F536
1F395	1F41D	1F3D2	1F3D1	1F40F	1F5AA	1F44C	1F537
1F396	1F41E	1F3D3	1F3D2	1F410	1F4A9	1F44D	1F50A
1F397	1F600	1F3D4	1F3D3	1F411	1F55F	1F44E	1F50B
1F398	1F601	1F3D5	1F3D5	1F412	1F558	1F44F	1F51E
1F399	1F602	1F3D6	1F3D6	1F413	1F562	1F450	1F50C
1F39A	1F603	1F3D7	1F3D7	1F414	1F563	1F451	1F50D
1F39B	1F604	1F3D8	1F3D8	1F415	1F548	1F452	1F50E
1F39C	1F605	1F3D9	1F3D9	1F416	1F55E	1F453	1F51D
1F39D	1F606	1F3DA	1F3DA	1F417	1F55A	1F454	1F513
1F39E	1F607	1F3DB	1F3DB	1F418	1F54E	1F455	1F514
1F39F	1F608	1F3DC	1F3DC	1F419	1F52C	1F456	1F515
1F3A0	1F609	1F3DD	1F3DF	1F41A	1F54F	1F457	1F511
1F3A1	1F60A	1F3DE	1F3E0	1F41B	1F527	1F458	1F512
1F3A2	1F60B	1F3DF	1F3DD	1F41C	1F528	1F459	1F523
1F3A3	1F60C	1F3E0	1F3DE	1F41D	1F529	1F45A	1F526
1F3A4	1F60D	1F3E1	E0542	1F41E	1F525	1F45B	1F524
1F3A5	1F60E	1F3E2	1F532	1F41F	1F52A	1F45C	1F51B
1F3A6	1F60F	1F3E3	E0543	1F420	1F52B	1F45D	1F516
1F3A7	1F610	1F3E4	E0544	1F421	1F5BC	1F45E	1F51A
1F3A8	1F611	1F3E5	E0545	1F422	1F5BB	1F45F	1F518
1F3A9	1F612	1F3E6	1F55B	1F423	1F5BF	1F460	1F519
1F3AA	1F613	1F3E7	1F55C	1F424	1F5C0	1F461	1F517
1F3AB	1F614	1F3E8	1F55D	1F425	1F488	1F462	1F51C
1F3AC	1F615	1F3E9	1F45E	1F426	1F489	1F463	1F522
1F3AD	1F616	1F3EA	1F45F	1F427	1F380	1F464	1F51F
1F3AE	1F617	1F3EB	1F460	1F428	1F381	1F465	1F520
1F3AF	1F618	1F3EC	1F461	1F429	1F382	1F466	1F521

1F467	1F463	1F4A4	1F3B9	1F4E1	1F37B	1F51E	1F566
1F468	1F3BD	1F4A5	1F3BA	1F4E2	1F379	1F51F	1F567
1F469	1F3BE	1F4A6	1F3BB	1F4E3	1F56E	1F520	1F31F
1F46A	1F3BF	1F4A7	1F3BC	1F4E4	1F56F	1F521	1F320
1F46B	1F3C0	1F4A8	1F549	1F4E5	1F570	1F522	1F56A
1F46C	1F3C1	1F4A9	1F50F	1F4E6	1F571	1F523	1F56B
1F46D	1F3C2	1F4AA	1F510	1F4E7	2753	1F524	1F56C
1F46E	1F3C3	1F4AB	1F54A	1F4E8	2754	1F525	1F56D
1F46F	1F3C4	1F4AC	1F54B	1F4E9	2755	1F526	1F4AE
1F470	1F3C6	1F4AD	23F9	1F4EA	1F492	1F527	1F4AF
1F471	1F3C7	1F4AE	1F53F	1F4EB	1F493	1F528	1F4C3
1F472	1F3C8	1F4AF	1F48A	1F4EC	1F494	1F529	1F4C4
1F473	1F3CA	1F4B0	1F48B	1F4ED	1F495	1F52A	1F550
1F474	1F586	1F4B1	1F48C	1F4EE	1F496	1F52B	1F551
1F475	1F587	1F4B2	1F48D	1F4EF	1F497	1F52C	23FE
1F476	1F584	1F4B3	1F48E	1F4F0	1F498	1F52D	23FF
1F477	1F585	1F4B4	1F48F	1F4F1	1F499	1F52E	1F552
1F478	1F597	1F4B5	1F490	1F4F2	1F49A	1F52F	1F553
1F479	1F599	1F4B6	1F491	1F4F3	1F49B	1F530	1F554
1F47A	1F58D	1F4B7	1F546	1F4F4	1F49C	1F531	1F555
1F47B	1F58F	1F4B8	1F545	1F4F5	1F49D	1F532	1F4BD
1F47C	1F5A2	1F4B9	1F542	1F4F6	1F49E	1F533	1F556
1F47D	1F5B2	1F4BA	1F543	1F4F7	1F5AC	1F534	23FA
1F47E	1F589	1F4BB	1F354	1F4F8	1F5AD	1F535	1F538
1F47F	1F580	1F4BC	1F359	1F4F9	1F564	1F536	1F446
1F480	1F5A4	1F4BD	1F370	1F4FA	1F565	1F537	1F447
1F481	1F595	1F4BE	1F35C	1F4FB	1F5A9	1F538	1F448
1F482	1F5B6	1F4BF	1F35E	1F4FC	1F5B9	1F539	1F448
1F483	1F59A	1F4C0	1F373	1F4FD	1F5BA	1F53A	1F44A
1F484	1F592	1F4C1	1F366	1F4FE	1F5BC	1F53B	1F44B
1F485	1F591	1F4C2	1F35F	1F4FF	274C	1F53C	1F44C
1F486	1F593	1F4C3	1F361	1F500	274E	1F53D	1F44D
1F487	1F5A5	1F4C4	1F358	1F501	1F5AB	1F53E	1F44E
1F488	1F5A7	1F4C5	1F35A	1F502	1F557	1F53F	1F44F
1F489	1F3A8	1F4C6	1F35D	1F503	1F4B0	1F540	1F450
1F48A	1F3A0	1F4C7	1F35B	1F504	1F4B1	1F541	1F4BE
1F48B	1F3A1	1F4C8	1F362	1F505	1F4B2	1F542	1F4BF
1F48C	1F3A2	1F4C9	1F363	1F506	1F4B3	1F543	1F4C0
1F48D	1F3A3	1F4CA	1F371	1F507	1F4B4	1F544	1F4C1
1F48E	1F3A4	1F4CB	1F372	1F508	1F4B5	1F545	1F4C2
1F48F	1F3A5	1F4CC	1F367	1F509	1F4B6	1F600	E0500
1F490	1F3A6	1F4CD	1F356	1F50A	1F4B7	1F601	E0501
1F491	1F3A7	1F4CE	1F365	1F50B	1F4B8	1F602	E0502
1F492	1F3A8	1F4CF	1F360	1F50C	1F4B9	1F603	E0503
1F493	1F3A9	1F4D0	1F355	1F50D	2795	1F604	E0504
1F494	1F3AA	1F4D1	1F357	1F50E	2796	1F605	E0505
1F495	1F3AB	1F4D2	1F368	1F50F	2797	1F606	E0506
1F496	1F3AC	1F4D3	1F369	1F510	1F4A0	1F607	E0507
1F497	1F3AD	1F4D4	1F36A	1F511	1F4A1	1F608	E0508
1F498	1F3AE	1F4D5	1F36B	1F512	1F4A2	1F609	E0509
1F499	1F3AF	1F4D6	1F36C	1F513	1F4A3	1F60A	E050A
1F49A	1F3B0	1F4D7	1F36D	1F514	1F4A4	1F60B	E050B
1F49B	1F3B1	1F4D8	1F36E	1F515	1F4A5	1F60C	E050C
1F49C	1F3B2	1F4D9	1F36F	1F516	1F4A6	1F60D	E050D
1F49D	1F3B3	1F4DA	1F364	1F517	1F4A7	1F60E	E050E
1F49E	1F3B4	1F4DB	1F374	1F518	1F4A8	1F60F	E050F
1F49F	1F0CF	1F4DC	1F378	1F519	1F4AA	1F610	E0510
1F4A0	1F3B5	1F4DD	1F37A	1F51A	1F4AB	1F611	E0511
1F4A1	1F3B6	1F4DE	1F375	1F51B	2728	1F612	E0512
1F4A2	1F3B7	1F4DF	1F376	1F51C	1F568	1F613	E0513
1F4A3	1F3B8	1F4E0	1F377	1F51D	1F568	1F614	E0514

1F615	E0515	-----	1F0A3	-----	1F135	-----	1F187
1F616	E0516	-----	1F0A4	-----	1F136	-----	1F188
1F617	E0517	-----	1F0A5	-----	1F137	-----	1F189
1F618	E0518	-----	1F0A6	-----	1F138	-----	1F18E
1F619	E0519	-----	1F0A7	-----	1F139	-----	1F18F
1F61A	E051A	-----	1F0A8	-----	1F13A	-----	1F190
1F61B	E051B	-----	1F0A9	-----	1F13B	-----	1F30E
1F61C	E051C	-----	1F0AA	-----	1F13C	-----	1F30F
1F61D	E051D	-----	1F0AB	-----	1F13E	-----	1F310
1F61E	E051E	-----	1F0AC	-----	1F140	-----	1F312
1F61F	E051F	-----	1F0AD	-----	1F141	-----	1F316
1F620	E0520	-----	1F0AE	-----	1F143	-----	1F317
1F621	E0521	-----	1F0B1	-----	1F144	-----	1F318
1F622	E0522	-----	1F0B2	-----	1F145	-----	1F31A
1F623	E0523	-----	1F0B3	-----	1F147	-----	1F31C
1F624	E0524	-----	1F0B4	-----	1F148	-----	1F31D
1F625	E0525	-----	1F0B5	-----	1F149	-----	1F31E
1F626	E0526	-----	1F0B6	-----	1F14F	-----	1F332
1F627	E0527	-----	1F0B7	-----	1F150	-----	1F333
1F628	E0528	-----	1F0B8	-----	1F151	-----	1F336
1F629	E0529	-----	1F0B9	-----	1F152	-----	1F34B
1F62A	E052A	-----	1F0BA	-----	1F153	-----	1F350
1F62B	E052B	-----	1F0BB	-----	1F154	-----	1F37C
1F62C	E052C	-----	1F0BC	-----	1F155	-----	1F3C5
1F62D	E052D	-----	1F0BD	-----	1F156	-----	1F3C9
1F62E	E052E	-----	1F0BE	-----	1F158	-----	1F3D4
1F62F	E052F	-----	1F0C1	-----	1F159	-----	1F400
1F630	E0530	-----	1F0C2	-----	1F15A	-----	1F402
1F631	E0531	-----	1F0C3	-----	1F15B	-----	1F403
1F632	E0532	-----	1F0C4	-----	1F15C	-----	1F406
1F633	E0533	-----	1F0C5	-----	1F15D	-----	1F40B
1F634	E0534	-----	1F0C6	-----	1F15E	-----	1F410
1F635	E0535	-----	1F0C7	-----	1F160	-----	1F411
1F636	E0536	-----	1F0C8	-----	1F161	-----	1F413
1F637	E0537	-----	1F0C9	-----	1F162	-----	1F42A
1F638	E0538	-----	1F0CA	-----	1F163	-----	1F431
1F639	E0539	-----	1F0CB	-----	1F164	-----	1F432
1F63A	E053A	-----	1F0CC	-----	1F165	-----	1F433
1F63B	E053B	-----	1F0CD	-----	1F166	-----	1F441
1F63C	E053C	-----	1F0CE	-----	1F167	-----	1F465
1F63D	E053D	-----	1F0CF	-----	1F168	-----	1F46F
1F63E	E053E	-----	1F0D1	-----	1F169	-----	1F47E
1F63F	E053F	-----	1F0D2	-----	1F170	-----	1F4AD
1F640	E0540	-----	1F0D3	-----	1F171	-----	1F506
1F641	E0541	-----	1F0D4	-----	1F172	-----	1F507
-----	23ED	-----	1F0D5	-----	1F173	-----	1F53E
-----	23EE	-----	1F0D6	-----	1F174	-----	1F544
-----	23EF	-----	1F0D7	-----	1F175	-----	1F54C
-----	23F1	-----	1F0D8	-----	1F176	-----	1F54D
-----	23F2	-----	1F0D9	-----	1F177	-----	1F559
-----	23F5	-----	1F0DA	-----	1F178	-----	1F560
-----	23F6	-----	1F0DB	-----	1F17A	-----	1F561
-----	23F7	-----	1F0DC	-----	1F17D	-----	1F581
-----	23F8	-----	1F0DD	-----	1F17E	-----	1F582
-----	23FB	-----	1F0DE	-----	1F180	-----	1F583
-----	23FC	-----	1F0DF	-----	1F181	-----	1F588
-----	23FD	-----	1F12E	-----	1F182	-----	1F58A
-----	1F0A0	-----	1F130	-----	1F183	-----	1F58B
-----	1F0A1	-----	1F132	-----	1F184	-----	1F58C
-----	1F0A2	-----	1F133	-----	1F185	-----	1F58E
-----		-----	1F134	-----	1F186	-----	1F590

----- 1F594	----- 1F5A0	----- 1F5B3	----- 1F5C3
----- 1F596	----- 1F5A1	----- 1F5B4	----- 1F5C4
----- 1F598	----- 1F5A3	----- 1F5B5	----- 1F626
----- 1F59B	----- 1F5A6	----- 1F5B7	----- 1F628
----- 1F59C	----- 1F5AE	----- 1F5B8	----- 1F629
----- 1F59D	----- 1F5AF	----- 1F5BE	
----- 1F59E	----- 1F5B0	----- 1F5C1	
----- 1F59F	----- 1F5B1	----- 1F5C2	

A. Administrative

1. Title

Towards an encoding of symbol characters used as emoji.

2. Requester's name

Irish and German National Bodies

3. Requester type (Member body/Liaison/Individual contribution)

Member Body contribution.

4. Submission date

2009-04-06

5. Requester's reference (if applicable)

6. Choose one of the following:

6a. This is a complete proposal

Yes.

6b. More information will be provided later

No.

B. Technical -- General

1. Choose one of the following:

1a. This proposal is for a new script (set of characters)

Yes.

Proposed name of script

Playing Card Pips, Miscellaneous Pictographic Symbols, Miscellaneous Pictographic Symbols-A, Letterlike Symbols Extended-A, Miscellaneous Pictographic Symbols-B, Emoticons, Alchemical Symbols, Symbols for Tw0-letter Codes, Emoji Compatibility Symbols.

1b. The proposal is for addition of character(s) to an existing block

1b. Name of the existing block

Miscellaneous Technical, Dingbats, Supplemental Punctuation, Enclosed Alphanumeric Supplement, Enclosed Ideographic Supplement.

2. Number of characters in proposal

1544 (1a: 1424 = (59 + 190 + 167 + 21 + 178 + 62 + 1 + 676 + 70)) + (1b: 120 = (23 + 12 + 1 + 71 + 13)). To give an estimate to put this into perspective, 1544 less 666 of the Two-Letter-Code characters is 878; 878 less the 674 characters asked for in N3583 is 204; 204 less the 67 Enclosed Alphanumerics asked for by Ireland in ballot comments on FPDAM 6 is 137, the real number of additions proposed by us (about a 20% increase on the 674 asked for in N3583).

3. Proposed category (see section II, Character Categories)

Category A.

4a. Is a repertoire including character names provided?

Yes.

4b. If YES, are the names in accordance with the character naming guidelines in Annex L of ISO/IEC 10646-1: 2000?

Yes.

4c. Are the character shapes attached in a legible form suitable for review?

Yes.

5a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?

Michael Everson and others.

5b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

Michael Everson, Fontographer.

6a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

No.

6b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?

Yes.

7. Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?

No.

8. Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc.,

Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at <http://www.unicode.org> for such information on other scripts. Also see Unicode Character Database <http://www.unicode.org/Public/UNIDATA/UnicodeCharacterDatabase.html> and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

The characters should have the same properties as other generic dingbat symbols.

C. Technical -- Justification

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.

No.

2a. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?

No.

2b. If YES, with whom?

2c. If YES, available relevant documents

3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included?

No.

4a. The context of use for the proposed characters (type of use; common or rare)

Generic symbol use.

4b. Reference

5a. Are the proposed characters in current use by the user community?

Yes.

5b. If YES, where?

In Japan and elsewhere.

6a. After giving due considerations to the principles in Principles and Procedures document (a WG 2 standing document) must the proposed characters be entirely in the BMP?

No.

6b. If YES, is a rationale provided?

6c. If YES, reference

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?

8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?

No.

8b. If YES, is a rationale for its inclusion provided?

8c. If YES, reference

9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?

No.

9b. If YES, is a rationale for its inclusion provided?

9c. If YES, reference

10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?

No.

10b. If YES, is a rationale for its inclusion provided?

10c. If YES, reference

11a. Does the proposal include use of combining characters and/or use of composite sequences (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?

No.

11b. If YES, is a rationale for such use provided?

11c. If YES, reference

12a. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?

No.

12b. If YES, reference

13a. Does the proposal contain characters with any special properties such as control function or similar semantics?

No.

13b. If YES, describe in detail (include attachment if necessary)

14a. Does the proposal contain any Ideographic compatibility character(s)?

No.

14b. If YES, is the equivalent corresponding unified ideographic character(s) identified?

	230	231	232	233	234	235	236	237	238	239	23A	23B	23C	23D	23E	23F
0	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	23A0	23B0	23C0	23D0	23E0	23F0
1	2301	2311	2321	2331	2341	2351	2361	2371	2381	2391	23A1	23B1	23C1	23D1	23E1	23F1
2	2302	2312	2322	2332	2342	2352	2362	2372	2382	2392	23A2	23B2	23C2	23D2	23E2	23F2
3	2303	2313	2323	2333	2343	2353	2363	2373	2383	2393	23A3	23B3	23C3	23D3	23E3	23F3
4	2304	2314	2324	2334	2344	2354	2364	2374	2384	2394	23A4	23B4	23C4	23D4	23E4	23F4
5	2305	2315	2325	2335	2345	2355	2365	2375	2385	2395	23A5	23B5	23C5	23D5	23E5	23F5
6	2306	2316	2326	2336	2346	2356	2366	2376	2386	2396	23A6	23B6	23C6	23D6	23E6	23F6
7	2307	2317	2327	2337	2347	2357	2367	2377	2387	2397	23A7	23B7	23C7	23D7	23E7	23F7
8	2308	2318	2328	2338	2348	2358	2368	2378	2388	2398	23A8	23B8	23C8	23D8	23E8	23F8
9	2309	2319	2329	2339	2349	2359	2369	2379	2389	2399	23A9	23B9	23C9	23D9	23E9	23F9
A	230A	231A	232A	233A	234A	235A	236A	237A	238A	239A	23AA	23BA	23CA	23DA	23EA	23FA
B	230B	231B	232B	233B	234B	235B	236B	237B	238B	239B	23AB	23BB	23CB	23DB	23EB	23FB
C	230C	231C	232C	233C	234C	235C	236C	237C	238C	239C	23AC	23BC	23CC	23DC	23EC	23FC
D	230D	231D	232D	233D	234D	235D	236D	237D	238D	239D	23AD	23BD	23CD	23DD	23ED	23FD
E	230E	231E	232E	233E	234E	235E	236E	237E	238E	239E	23AE	23BE	23CE	23DE	23EE	23FE
F	230F	231F	232F	233F	234F	235F	236F	237F	238F	239F	23AF	23BF	23CF	23DF	23EF	23FF

UTC: 2009-02-06
 WG2: \$\$\$\$
 contact: Michael Everson
 document: Nxxxx, L2/09-026
 font: Apple Emoji
 target: Amd7

Miscellaneous technical

- 2300 ∅ DIAMETER SIGN
 → 2205 ∅ empty set
- 2301 ↘ ELECTRIC ARROW
 • from ISO 2047
 • symbol for End of Transmission
- 2302 ⏞ HOUSE
 2303 ^ UP ARROWHEAD
 → 005E ^ circumflex accent
 → 02C4 modifier letter up arrowhead
 → 2038 ^ caret
 → 2227 ^ logical and
- 2304 ∨ DOWN ARROWHEAD
 → 02C5 modifier letter down arrowhead
 → 2228 ∨ logical or
 → 2335 ∨ countersink
- 2305 ⌘ PROJECTIVE
 → 22BC ⌘ nand
- 2306 ⌚ PERSPECTIVE
- 2307 ∷ WAVY LINE
 → 3030 ∷ wavy dash

Ceilings and floors

These characters are tall and narrow mathematical delimiters, in contrast to the quine corners or half brackets. They are also distinct from CJK corner brackets, which are wide quotation marks.

- 2308 ⌈ LEFT CEILING
 = APL upstile
 → 2E22 ⌈ top left half bracket
 → 300C ⌈ left corner bracket
- 2309 ⌋ RIGHT CEILING
 → 20E7 ⌋ combining annuity symbol
 → 2E23 ⌋ top right half bracket
- 230A ⌌ LEFT FLOOR
 = APL downstile
 → 2E24 ⌌ bottom left half bracket
- 230B ⌍ RIGHT FLOOR
 → 300D ⌍ right corner bracket
 → 2E25 ⌍ bottom right half bracket

Crops

- 230C ⌎ BOTTOM RIGHT CROP
 • set of four “crop” corners, arranged facing outward
- 230D ⌏ BOTTOM LEFT CROP
- 230E ⌐ TOP RIGHT CROP
- 230F ⌑ TOP LEFT CROP

Miscellaneous technical

- 2310 ⌒ REVERSED NOT SIGN
 = beginning of line
 → 00AC ⌒ not sign
- 2311 ◻ SQUARE LOZENGE
 = Kissen (pillow)
 • used as a command delimiter in some very old computers
- 2312 ⤴ ARC
 → 25E0 ⤴ upper half circle
- 2313 ⤵ SEGMENT

- 2314 ◊ SECTOR
- 2315 ⓞ TELEPHONE RECORDER
- 2316 † POSITION INDICATOR
- 2317 # VIEWDATA SQUARE
 → 22D5 # equal and parallel to
- 2318 ⌘ PLACE OF INTEREST SIGN
 = command key (1.0)
- 2319 ⌞ TURNED NOT SIGN
 = line marker

GUI icons

- 231A ⌚ WATCH
- 231B ⌚ HOURGLASS

Quine corners

These form a set of four quine corners, for quincuncial arrangement. They are also used in upper and lower pairs in mathematic, or more rarely in editorial usage as alternatives to half brackets.

- 231C ⌏ TOP LEFT CORNER
 → 2E00 ⌏ right angle substitution marker
 → 2E22 ⌏ top left half bracket
- 231D ⌐ TOP RIGHT CORNER
- 231E ⌍ BOTTOM LEFT CORNER
- 231F ⌎ BOTTOM RIGHT CORNER

Integral pieces

- 2320 ∫ TOP HALF INTEGRAL
 → 23AE ∫ integral extension
- 2321 ∫ BOTTOM HALF INTEGRAL

Frown and smile

- 2322 ∩ FROWN
 → 2040 ∩ character tie
- 2323 ∪ SMILE
 → 203F ∪ undertie

Keyboard symbols

- 2324 ⌘ UP ARROWHEAD BETWEEN TWO HORIZONTAL BARS
 = enter key
- 2325 ⌘ OPTION KEY
- 2326 ⌘ ERASE TO THE RIGHT
 = delete to the right key
- 2327 ⌘ X IN A RECTANGLE BOX
 = clear key
- 2328 ⌘ KEYBOARD

Deprecated angle brackets

These characters are deprecated and are strongly discouraged for mathematical use because of their canonical equivalence to CJK punctuation.

- 2329 ⌠ LEFT-POINTING ANGLE BRACKET
 → 003C ⌠ less-than sign
 → 2039 ⌠ single left-pointing angle quotation mark
 → 27E8 ⌠ mathematical left angle bracket
 ≡ 3008 ⌠ left angle bracket

- 232A \rangle RIGHT-POINTING ANGLE BRACKET
 → 003E $>$ greater-than sign
 → 203A \rangle single right-pointing angle quotation mark
 → 27E9 \rangle mathematical right angle bracket
 ≡ 3009 \rangle right angle bracket

Keyboard symbol

- 232B \boxtimes ERASE TO THE LEFT
 = delete to the left key

Chemistry symbol

- 232C \bigcirc BENZENE RING

Drafting symbols

- 232D \curvearrowright CYLINDRICITY
 232E \ominus ALL AROUND-PROFILE
 232F \equiv SYMMETRY
 2330 \sphericalangle TOTAL RUNOUT
 2331 \oplus DIMENSION ORIGIN
 2332 \triangleright CONICAL TAPER
 2333 \triangleleft SLOPE
 → 25FA \triangleleft lower left triangle
 2334 \sqcup COUNTERBORE
 → 2423 \square open box
 2335 \surd COUNTERSINK
 → 2304 \surd down arrowhead

APL

- 2336 \perp APL FUNCTIONAL SYMBOL I-BEAM
 2337 \sqcap APL FUNCTIONAL SYMBOL SQUISH QUAD
 → 2395 \square apl functional symbol quad
 → 25AF \square white vertical rectangle
 → 2AFF \square n-ary white vertical bar
 2338 \equiv APL FUNCTIONAL SYMBOL QUAD EQUAL
 2339 \div APL FUNCTIONAL SYMBOL QUAD DIVIDE
 233A \diamond APL FUNCTIONAL SYMBOL QUAD DIAMOND
 233B \odot APL FUNCTIONAL SYMBOL QUAD JOT
 → 29C7 \odot squared small circle
 233C \bigcirc APL FUNCTIONAL SYMBOL QUAD CIRCLE
 233D \oplus APL FUNCTIONAL SYMBOL CIRCLE STILE
 233E \odot APL FUNCTIONAL SYMBOL CIRCLE JOT
 → 229A \odot circled ring operator
 → 29BE \odot circled white bullet
 233F \diagup APL FUNCTIONAL SYMBOL SLASH BAR
 → 1019A \diagup roman as sign
 2340 \diagdown APL FUNCTIONAL SYMBOL BACKSLASH BAR
 → 29F7 \diagdown reverse solidus with horizontal stroke
 2341 \diagup APL FUNCTIONAL SYMBOL QUAD SLASH
 → 29C4 \diagup squared rising diagonal slash
 2342 \diagdown APL FUNCTIONAL SYMBOL QUAD BACKSLASH
 → 29C5 \diagdown squared falling diagonal slash
 2343 \lessgtr APL FUNCTIONAL SYMBOL QUAD LESS-THAN
 2344 \gtrless APL FUNCTIONAL SYMBOL QUAD GREATER-THAN
 2345 \leftarrow APL FUNCTIONAL SYMBOL LEFTWARDS VANE

- 2346 \rightarrow APL FUNCTIONAL SYMBOL RIGHTWARDS VANE
 2347 \leftarrow APL FUNCTIONAL SYMBOL QUAD LEFTWARDS ARROW
 2348 \rightarrow APL FUNCTIONAL SYMBOL QUAD RIGHTWARDS ARROW
 2349 \oslash APL FUNCTIONAL SYMBOL CIRCLE BACKSLASH
 → 29B0 \oslash reversed empty set
 234A \perp APL FUNCTIONAL SYMBOL DOWN TACK UNDERBAR
 = up tack underbar
 • preferred naming for APL tack symbols now follows the London Convention in ISO/IEC 13751:2000 (APL Extended)
 → 22A5 \perp up tack
 234B \uparrow APL FUNCTIONAL SYMBOL DELTA STILE
 234C \boxminus APL FUNCTIONAL SYMBOL QUAD DOWN CARET
 234D \boxplus APL FUNCTIONAL SYMBOL QUAD DELTA
 234E \updownarrow APL FUNCTIONAL SYMBOL DOWN TACK JOT
 = up tack jot
 → 22A5 \perp up tack
 234F \uparrow APL FUNCTIONAL SYMBOL UPWARDS VANE
 2350 \uparrow APL FUNCTIONAL SYMBOL QUAD UPWARDS ARROW
 2351 $\overline{\uparrow}$ APL FUNCTIONAL SYMBOL UP TACK OVERBAR
 = down tack overbar
 → 22A4 \uparrow down tack
 → 3012 $\overline{\uparrow}$ postal mark
 2352 ∇ APL FUNCTIONAL SYMBOL DEL STILE
 2353 \boxplus APL FUNCTIONAL SYMBOL QUAD UP CARET
 2354 \boxminus APL FUNCTIONAL SYMBOL QUAD DEL
 2355 $\overline{\updownarrow}$ APL FUNCTIONAL SYMBOL UP TACK JOT
 = down tack jot
 → 22A4 \uparrow down tack
 2356 \downarrow APL FUNCTIONAL SYMBOL DOWNWARDS VANE
 2357 \downarrow APL FUNCTIONAL SYMBOL QUAD DOWNWARDS ARROW
 2358 $\underline{\text{ '}}$ APL FUNCTIONAL SYMBOL QUOTE UNDERBAR
 2359 $\underline{\Delta}$ APL FUNCTIONAL SYMBOL DELTA UNDERBAR
 235A \diamond APL FUNCTIONAL SYMBOL DIAMOND UNDERBAR
 235B \circ APL FUNCTIONAL SYMBOL JOT UNDERBAR
 235C \circ APL FUNCTIONAL SYMBOL CIRCLE UNDERBAR
 235D \odot APL FUNCTIONAL SYMBOL UP SHOE JOT
 → 2A40 \odot intersection with dot
 235E \square APL FUNCTIONAL SYMBOL QUOTE QUAD
 235F \odot APL FUNCTIONAL SYMBOL CIRCLE STAR
 → 229B \odot circled asterisk operator
 2360 : APL FUNCTIONAL SYMBOL QUAD COLON
 2361 $\overline{\uparrow}$ APL FUNCTIONAL SYMBOL UP TACK DIAERESIS
 = down tack diaeresis
 → 22A4 \uparrow down tack

2362	∇	APL FUNCTIONAL SYMBOL DEL DIAERESIS
2363	*	APL FUNCTIONAL SYMBOL STAR DIAERESIS
2364	ö	APL FUNCTIONAL SYMBOL JOT DIAERESIS = hoot
2365	Ö	APL FUNCTIONAL SYMBOL CIRCLE DIAERESIS = holler
2366	⤵	APL FUNCTIONAL SYMBOL DOWN SHOE STILE
2367	⤴	APL FUNCTIONAL SYMBOL LEFT SHOE STILE
2368	˜	APL FUNCTIONAL SYMBOL TILDE DIAERESIS = smirk
2369	➤	APL FUNCTIONAL SYMBOL GREATER-THAN DIAERESIS
236A	ˆ	APL FUNCTIONAL SYMBOL COMMA BAR
236B	∇	APL FUNCTIONAL SYMBOL DEL TILDE
236C	θ	APL FUNCTIONAL SYMBOL ZILDE
236D	†	APL FUNCTIONAL SYMBOL STILE TILDE
236E	ˆ	APL FUNCTIONAL SYMBOL SEMICOLON UNDERBAR
236F	⊞	APL FUNCTIONAL SYMBOL QUAD NOT EQUAL
2370	?	APL FUNCTIONAL SYMBOL QUAD QUESTION
2371	∨	APL FUNCTIONAL SYMBOL DOWN CARET TILDE
2372	∧	APL FUNCTIONAL SYMBOL UP CARET TILDE
2373	ι	APL FUNCTIONAL SYMBOL IOTA
2374	ρ	APL FUNCTIONAL SYMBOL RHO
2375	ω	APL FUNCTIONAL SYMBOL OMEGA
2376	α	APL FUNCTIONAL SYMBOL ALPHA UNDERBAR
2377	ε	APL FUNCTIONAL SYMBOL EPSILON UNDERBAR
2378	ι	APL FUNCTIONAL SYMBOL IOTA UNDERBAR
2379	ω	APL FUNCTIONAL SYMBOL OMEGA UNDERBAR
237A	α	APL FUNCTIONAL SYMBOL ALPHA

Graphics for control codes

237B	✓	NOT CHECK MARK • from ISO 2047 • symbol for Negative Acknowledge
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Miscellaneous technical

237C	↙	RIGHT ANGLE WITH DOWNWARDS ZIGZAG ARROW
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Graphics for control codes

237D	⌞	SHOULDERED OPEN BOX • from ISO 9995-7 • keyboard symbol for No Break Space → 2423 open box
237E	⦿	BELL SYMBOL • from ISO 2047

237F	‡	VERTICAL LINE WITH MIDDLE DOT • from ISO 2047 • symbol for End of Medium
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Keyboard symbols from ISO 9995-7

2380	↵	INSERTION SYMBOL
2381	≡	CONTINUOUS UNDERLINE SYMBOL
2382	≡	DISCONTINUOUS UNDERLINE SYMBOL
2383	≡	EMPHASIS SYMBOL
2384	Ⓜ	COMPOSITION SYMBOL
2385	Ⓜ	WHITE SQUARE WITH CENTRE VERTICAL LINE = center
2386	↵	ENTER SYMBOL
2387	↵	ALTERNATIVE KEY SYMBOL
2388	Ⓜ	HELM SYMBOL = control → 2638 Ⓜ wheel of dharma
2389	Ⓜ	CIRCLED HORIZONTAL BAR WITH NOTCH = pause
238A	Ⓜ	CIRCLED TRIANGLE DOWN = interrupt, break
238B	Ⓜ	BROKEN CIRCLE WITH NORTHWEST ARROW = escape
238C	↵	UNDO SYMBOL

Electrotechnical symbols from IR 181

238D	∩	MONOSTABLE SYMBOL
238E	∩	HYSTERESIS SYMBOL
238F	∩	OPEN-CIRCUIT-OUTPUT H-TYPE SYMBOL
2390	∩	OPEN-CIRCUIT-OUTPUT L-TYPE SYMBOL
2391	∩	PASSIVE-PULL-DOWN-OUTPUT SYMBOL
2392	∩	PASSIVE-PULL-UP-OUTPUT SYMBOL
2393	∩	DIRECT CURRENT SYMBOL FORM TWO
2394	∩	SOFTWARE-FUNCTION SYMBOL

APL

2395	□	APL FUNCTIONAL SYMBOL QUAD → 2337 □ apl functional symbol squish quad → 25AF white vertical rectangle
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Keyboard symbols from ISO 9995-7

2396	↵	DECIMAL SEPARATOR KEY SYMBOL
2397	⏪	PREVIOUS PAGE
2398	⏩	NEXT PAGE
2399	⏏	PRINT SCREEN SYMBOL
239A	⏏	CLEAR SCREEN SYMBOL → 20E2 ☐ combining enclosing screen

Bracket pieces

239B	}	LEFT PARENTHESIS UPPER HOOK
239C		LEFT PARENTHESIS EXTENSION
239D		LEFT PARENTHESIS LOWER HOOK
239E		RIGHT PARENTHESIS UPPER HOOK
239F		RIGHT PARENTHESIS EXTENSION
23A0		RIGHT PARENTHESIS LOWER HOOK
23A1		LEFT SQUARE BRACKET UPPER CORNER
23A2		LEFT SQUARE BRACKET EXTENSION
23A3		LEFT SQUARE BRACKET LOWER CORNER
23A4		RIGHT SQUARE BRACKET UPPER CORNER

23A5		RIGHT SQUARE BRACKET EXTENSION
23A6		RIGHT SQUARE BRACKET LOWER CORNER
23A7	{	LEFT CURLY BRACKET UPPER HOOK
23A8	{	LEFT CURLY BRACKET MIDDLE PIECE
23A9	{	LEFT CURLY BRACKET LOWER HOOK
23AA		CURLY BRACKET EXTENSION
23AB		RIGHT CURLY BRACKET UPPER HOOK
23AC		RIGHT CURLY BRACKET MIDDLE PIECE
23AD		RIGHT CURLY BRACKET LOWER HOOK

Special character extensions

23AE		INTEGRAL EXTENSION
	→ 2320	top half integral
	→ 2321	bottom half integral
23AF	—	HORIZONTAL LINE EXTENSION
		• used for extension of arrows
	→ 23D0	vertical line extension

Bracket pieces

23B0		UPPER LEFT OR LOWER RIGHT CURLY BRACKET SECTION
		= left moustache
23B1		UPPER RIGHT OR LOWER LEFT CURLY BRACKET SECTION
		= right moustache

Summation sign parts

23B2	∑	SUMMATION TOP
23B3	∑	SUMMATION BOTTOM
	→ 2211	∑ n-ary summation

Horizontal brackets

These characters are also used as delimiters of vertical text in non-CJK terminal emulation.

23B4	⌈	TOP SQUARE BRACKET
	→ FE47	⌈ presentation form for vertical left square bracket
23B5	⌋	BOTTOM SQUARE BRACKET
	→ FE48	⌋ presentation form for vertical right square bracket
23B6	⌈	BOTTOM SQUARE BRACKET OVER TOP SQUARE BRACKET
		• only used for terminal emulation

Terminal graphic characters

23B7	∇	RADICAL SYMBOL BOTTOM
23B8		LEFT VERTICAL BOX LINE
23B9		RIGHT VERTICAL BOX LINE

Scan lines for terminal graphics

The scan line numbers here refer to old, low-resolution technology for terminals, with only 9 scan lines per fixed-size character glyph. Even-numbered scan lines are unified with box-drawing graphics.

23BA	-	HORIZONTAL SCAN LINE-1
23BB	-	HORIZONTAL SCAN LINE-3
23BC	-	HORIZONTAL SCAN LINE-7
23BD	-	HORIZONTAL SCAN LINE-9

Dentistry notation symbols

23BE	⌈	DENTISTRY SYMBOL LIGHT VERTICAL AND TOP RIGHT
	→ 2308	⌈ left ceiling
23BF	⌋	DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM RIGHT
	→ 230A	⌋ left floor
23C0	⊕	DENTISTRY SYMBOL LIGHT VERTICAL WITH CIRCLE
23C1	⊖	DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH CIRCLE
23C2	⊕	DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH CIRCLE
23C3	⊕	DENTISTRY SYMBOL LIGHT VERTICAL WITH TRIANGLE
23C4	⊖	DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH TRIANGLE
23C5	⊕	DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH TRIANGLE
23C6	⌈	DENTISTRY SYMBOL LIGHT VERTICAL AND WAVE
23C7	⌋	DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH WAVE
23C8	⊕	DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH WAVE
23C9	⌋	DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL
	→ 22A4	⌋ down tack
	→ 252C	⌋ box drawings light down and horizontal
23CA	⌈	DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL
	→ 22A5	⌈ up tack
	→ 2534	⌈ box drawings light up and horizontal
23CB	⌈	DENTISTRY SYMBOL LIGHT VERTICAL AND TOP LEFT
	→ 2309	⌈ right ceiling
23CC	⌋	DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM LEFT
	→ 230B	⌋ right floor

Miscellaneous technical

23CD	⊠	SQUARE FOOT
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Keyboard and UI symbols

23CE	↵	RETURN SYMBOL
		• may be shown with either hollow or filled glyph
	→ 21B5	↵ downwards arrow with corner leftwards
23CF	⏏	EJECT SYMBOL
		• UI symbol to eject media

Special character extension

23D0		VERTICAL LINE EXTENSION
		• used for extension of arrows
	→ 23AF	— horizontal line extension

Metrical symbols

23D1	˘	METRICAL BREVE
23D2	˘	METRICAL LONG OVER SHORT
23D3	˘	METRICAL SHORT OVER LONG
23D4	˘	METRICAL LONG OVER TWO SHORTS

23D5	≈	METRICAL TWO SHORTS OVER LONG
23D6	≈	METRICAL TWO SHORTS JOINED
23D7	┌	METRICAL TRISEME → 1D242 ◌ combining greek musical triseme
23D8	┐	METRICAL TETRASEME → 1D243 ◌ combining greek musical tetraseme
23D9	┑	METRICAL PENTASEME → 1D244 ◌ combining greek musical pentaseme

Electrotechnical symbols

23DA	⊥	EARTH GROUND
23DB	⊞	FUSE

Horizontal brackets

These are intended for bracketing terms of mathematical expressions where their glyph extends to accommodate the width of the bracketed expression

23DC	⌒	TOP PARENTHESIS → FE35 ⌒ presentation form for vertical left parenthesis
23DD	⌓	BOTTOM PARENTHESIS → FE36 ⌓ presentation form for vertical right parenthesis
23DE	⌔	TOP CURLY BRACKET → FE37 ⌔ presentation form for vertical left curly bracket
23DF	⌕	BOTTOM CURLY BRACKET → FE38 ⌕ presentation form for vertical right curly bracket
23E0	⌖	TOP TORTOISE SHELL BRACKET → FE39 ⌖ presentation form for vertical left tortoise shell bracket
23E1	⌗	BOTTOM TORTOISE SHELL BRACKET → FE3A ⌗ presentation form for vertical right tortoise shell bracket

Miscellaneous technical

23E2	▭	WHITE TRAPEZIUM
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Chemistry symbol

23E3	⦿	BENZENE RING WITH CIRCLE
------	---	--------------------------

Miscellaneous technical

23E4	—	STRAIGHTNESS
23E5	▭	FLATNESS
23E6	~	AC CURRENT
23E7	✕	ELECTRICAL INTERSECTION
23E8	₁₀	DECIMAL EXPONENT SYMBOL • Algol-60 token for scientific notation literals

User interface symbols

23E9	▶▶	BLACK RIGHT-POINTING DOUBLE TRIANGLE = fast forward
23EA	◀◀	BLACK LEFT-POINTING DOUBLE TRIANGLE = fast rewind
23EB	▲	BLACK UP-POINTING DOUBLE TRIANGLE
23EC	▼	BLACK DOWN-POINTING DOUBLE TRIANGLE

23ED	▶▶	BLACK RIGHT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR = fast forward to next track
23EE	◀◀	BLACK LEFT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR = fast rewind to previous track
23EF	▶▶	BLACK RIGHT-POINTING TRIANGLE WITH DOUBLE VERTICAL BAR
23F0	🕒	ALARM CLOCK
23F1	🕒	STOPWATCH
23F2	🕒	TIMER CLOCK
23F3	🕒	HOURGLASS WITH FLOWING SAND → 231B 🕒 hourglass
23F4	🔔	BELL = alarm set
23F5	🔔	BELL WITH CANCELLATION STROKE = alarm disabled
23F6	🔊	SPEAKER WITH CANCELLATION STROKE = sound disabled
23F7	🔊	SPEAKER = sound = speaker muted
23F8	🔊	SPEAKER WITH ONE SOUND WAVE = low volume
23F9	🔊	SPEAKER WITH THREE SOUND WAVES = full volume
23FA	↻	CLOCKWISE UPWARDS AND DOWNWARDS OPEN CIRCLE ARROWS = reload
23FB	↻	TWISTED RIGHTWARDS ARROWS = shuffle
23FC	↻	CLOCKWISE RIGHTWARDS AND LEFTWARDS OPEN CIRCLE ARROWS = replay
23FD	↻	CLOCKWISE RIGHTWARDS AND LEFTWARDS OPEN CIRCLE ARROWS WITH CIRCLED ONE OVERLAY = play through once
23FE	🔒	LOCK = padlock in locked position
23FF	🔓	OPEN LOCK = padlock in unlocked position

	270	271	272	273	274	275	276	277	278	279	27A	27B
0		2710	2720	2730	2740	2750	2760	2770	2780	2790	27A0	
1	2701	2711	2721	2731	2741	2751	2761	2771	2781	2791	27A1	27B1
2	2702	2712	2722	2732	2742	2752	2762	2772	2782	2792	27A2	27B2
3	2703	2713	2723	2733	2743	2753	2763	2773	2783	2793	27A3	27B3
4	2704	2714	2724	2734	2744	2754	2764	2774	2784	2794	27A4	27B4
5	2705	2715	2725	2735	2745	2755	2765	2775	2785	2795	27A5	27B5
6	2706	2716	2726	2736	2746	2756	2766	2776	2786	2796	27A6	27B6
7	2707	2717	2727	2737	2747		2767	2777	2787	2797	27A7	27B7
8	2708	2718	2728	2738	2748	2758	2768	2778	2788	2798	27A8	27B8
9	2709	2719	2729	2739	2749	2759	2769	2779	2789	2799	27A9	27B9
A	270A	271A	272A	273A	274A	275A	276A	277A	278A	279A	27AA	27BA
B	270B	271B	272B	273B	274B	275B	276B	277B	278B	279B	27AB	27BB
C	270C	271C	272C	273C	274C	275C	276C	277C	278C	279C	27AC	27BC
D	270D	271D	272D	273D	274D	275D	276D	277D	278D	279D	27AD	27BD
E	270E	271E	272E	273E	274E	275E	276E	277E	278E	279E	27AE	27BE
F	270F	271F	272F	273F	274F	275F	276F	277F	278F	279F	27AF	

UTC: 2009-02-06
 WG2: \$\$\$\$
 contact: Markus Scherer,
 German NB
 document: Nxxxx, L2/09-
 021
 font: Apple Emoji
 target: Amd7

ITC Zapf dingbats series 100

Miscellaneous

- 2701 ✂ UPPER BLADE SCISSORS
 2702 ✂ BLACK SCISSORS
 2703 ✂ LOWER BLADE SCISSORS
 2704 ✂ WHITE SCISSORS
 2705 ✓ WHITE HEAVY CHECK MARK
 → 2714 ✓ heavy check mark
 2706 ☎ TELEPHONE LOCATION SIGN
 → 2121 ☎ telephone sign
 2707 📼 TAPE DRIVE
 2708 ✈ AIRPLANE
 2709 ✉ ENVELOPE
 270A 🖐 RAISED FIST
 = rock in Rock, Paper, Scissors game
 → 270B 🖐 raised hand
 → 270C 🖐 victory hand
 270B 🖐 RAISED HAND
 = paper in Rock, Paper, Scissors game
 → 270A 🖐 raised fist
 → 270C 🖐 victory hand
 270C 🖐 VICTORY HAND
 270D 🖊 WRITING HAND
 270E 🖊 LOWER RIGHT PENCIL
 270F 🖊 PENCIL
 2710 🖊 UPPER RIGHT PENCIL
 2711 🖊 WHITE NIB
 2712 🖊 BLACK NIB
 2713 ✓ CHECK MARK
 → 221A ✓ square root
 2714 ✓ HEAVY CHECK MARK
 2715 ✖ MULTIPLICATION X
 → 00D7 ✖ multiplication sign
 → 2573 ✖ box drawings light diagonal cross
 2716 ✖ HEAVY MULTIPLICATION X
 2717 ✖ BALLOT X
 → 2613 ✖ saltire
 2718 ✖ HEAVY BALLOT X

Crosses

- 2719 ☩ OUTLINED GREEK CROSS
 271A ☩ HEAVY GREEK CROSS
 271B ☩ OPEN CENTRE CROSS
 271C ☩ HEAVY OPEN CENTRE CROSS
 271D † LATIN CROSS
 271E † SHADOWED WHITE LATIN CROSS
 271F † OUTLINED LATIN CROSS
 2720 ☩ MALTESE CROSS
 • Historically, the Maltese cross took many forms; the shape shown in the Zapf Dingbats is similar to one known as the Cross Formée.

Stars, asterisks and snowflakes

- 2721 ☆ STAR OF DAVID
 2722 ✦ FOUR TEARDROP-SPOKED ASTERISK
 2723 ✨ FOUR BALLOON-SPOKED ASTERISK
 2724 ✨ HEAVY FOUR BALLOON-SPOKED ASTERISK
 2725 ✨ FOUR CLUB-SPOKED ASTERISK
 2726 ◆ BLACK FOUR POINTED STAR

- 2727 ✧ WHITE FOUR POINTED STAR
 2728 ✨ SPARKLES
 2729 ☆ STRESS OUTLINED WHITE STAR
 → 2606 ☆ white star
 272A ⬤ CIRCLED WHITE STAR
 272B ☆ OPEN CENTRE BLACK STAR
 272C ☆ BLACK CENTRE WHITE STAR
 272D ☆ OUTLINED BLACK STAR
 272E ☆ HEAVY OUTLINED BLACK STAR
 272F ☆ PINWHEEL STAR
 2730 ☆ SHADOWED WHITE STAR
 2731 * HEAVY ASTERISK
 → 002A * asterisk
 2732 * OPEN CENTRE ASTERISK
 2733 * EIGHT SPOKED ASTERISK
 2734 * EIGHT POINTED BLACK STAR
 2735 * EIGHT POINTED PINWHEEL STAR
 2736 * SIX POINTED BLACK STAR
 = sextile
 2737 * EIGHT POINTED RECTILINEAR BLACK STAR
 2738 * HEAVY EIGHT POINTED RECTILINEAR BLACK STAR
 2739 * TWELVE POINTED BLACK STAR
 273A * SIXTEEN POINTED ASTERISK
 = starburst
 273B * TEARDROP-SPOKED ASTERISK
 273C * OPEN CENTRE TEARDROP-SPOKED ASTERISK
 273D * HEAVY TEARDROP-SPOKED ASTERISK
 273E * SIX PETALLED BLACK AND WHITE FLORETTE
 273F * BLACK FLORETTE
 2740 * WHITE FLORETTE
 2741 * EIGHT PETALLED OUTLINED BLACK FLORETTE
 2742 * CIRCLED OPEN CENTRE EIGHT POINTED STAR
 2743 * HEAVY TEARDROP-SPOKED PINWHEEL ASTERISK
 2744 * SNOWFLAKE
 2745 * TIGHT TRIFOLIATE SNOWFLAKE
 2746 * HEAVY CHEVRON SNOWFLAKE
 2747 * SPARKLE
 2748 * HEAVY SPARKLE
 2749 * BALLOON-SPOKED ASTERISK
 = jack
 274A * EIGHT TEARDROP-SPOKED PROPELLER ASTERISK
 274B * HEAVY EIGHT TEARDROP-SPOKED PROPELLER ASTERISK
 = turbofan

Miscellaneous

- 274C ✖ CROSS MARK
 • forms a pair with 26E2 ○ heavy large circle
 274D ○ SHADOWED WHITE CIRCLE
 274E ☒ NEGATIVE SQUARED CROSS MARK
 274F ◻ LOWER RIGHT DROP-SHADOWED WHITE SQUARE
 2750 ◻ UPPER RIGHT DROP-SHADOWED WHITE SQUARE

- 2751 ◻ LOWER RIGHT SHADOWED WHITE SQUARE
 2752 ◻ UPPER RIGHT SHADOWED WHITE SQUARE
 2753 ? BLACK QUESTION MARK ORNAMENT
 2754 ? WHITE QUESTION MARK ORNAMENT
 2755 ! WHITE EXCLAMATION MARK ORNAMENT
 → 2762 ! heavy exclamation mark ornament
 → 26CE ! heavy exclamation mark symbol
 2756 ❖ BLACK DIAMOND MINUS WHITE X
 2757 ◐ <reserved>
 → 25D7 ◐ right half black circle
 2758 | LIGHT VERTICAL BAR
 → 007C | vertical line
 2759 █ MEDIUM VERTICAL BAR
 275A █ HEAVY VERTICAL BAR

Punctuation ornaments

- 275B ‘ HEAVY SINGLE TURNED COMMA QUOTATION MARK ORNAMENT
 → 2018 ‘ left single quotation mark
 275C ’ HEAVY SINGLE COMMA QUOTATION MARK ORNAMENT
 → 2019 ’ right single quotation mark
 275D “ HEAVY DOUBLE TURNED COMMA QUOTATION MARK ORNAMENT
 → 201C “ left double quotation mark
 275E ” HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT
 → 201D ” right double quotation mark
 275F , HEAVY LOW SINGLE COMMA QUOTATION MARK ORNAMENT
 → 201A , single low-9 quotation mark
 2760 „ HEAVY LOW DOUBLE COMMA QUOTATION MARK ORNAMENT
 → 201E „ double low-9 quotation mark
 2761 ¶ CURVED STEM PARAGRAPH SIGN ORNAMENT
 → 00B6 ¶ pilcrow sign
 2762 ! HEAVY EXCLAMATION MARK ORNAMENT
 → 0021 ! exclamation mark
 → 26CE ! heavy exclamation mark symbol
 2763 ♥ HEAVY HEART EXCLAMATION MARK ORNAMENT
 2764 ♥ HEAVY BLACK HEART
 → 2665 ♥ black heart suit
 2765 ⬮ ROTATED HEAVY BLACK HEART BULLET
 2766 🍀 FLORAL HEART
 = Aldus leaf
 2767 🍂 ROTATED FLORAL HEART BULLET
 = hederia, ivy leaf
 → 2619 🍂 reversed rotated floral heart bullet

Ornamental brackets

- 2768 (MEDIUM LEFT PARENTHESIS ORNAMENT
 → 0028 (left parenthesis
 2769) MEDIUM RIGHT PARENTHESIS ORNAMENT
 → 0029) right parenthesis
 276A (MEDIUM FLATTENED LEFT PARENTHESIS ORNAMENT

- 276B) MEDIUM FLATTENED RIGHT PARENTHESIS ORNAMENT
 276C (MEDIUM LEFT-POINTING ANGLE BRACKET ORNAMENT
 → 2329 < left-pointing angle bracket
 276D) MEDIUM RIGHT-POINTING ANGLE BRACKET ORNAMENT
 → 232A > right-pointing angle bracket
 276E ◀ HEAVY LEFT-POINTING ANGLE QUOTATION MARK ORNAMENT
 → 2039 < single left-pointing angle quotation mark
 276F ▶ HEAVY RIGHT-POINTING ANGLE QUOTATION MARK ORNAMENT
 → 203A > single right-pointing angle quotation mark
 2770 ⚡ HEAVY LEFT-POINTING ANGLE BRACKET ORNAMENT
 2771 ⚡ HEAVY RIGHT-POINTING ANGLE BRACKET ORNAMENT
 2772 ⌌ LIGHT LEFT TORTOISE SHELL BRACKET ORNAMENT
 → 3014 ⌌ left tortoise shell bracket
 2773 ⌍ LIGHT RIGHT TORTOISE SHELL BRACKET ORNAMENT
 → 3015 ⌍ right tortoise shell bracket
 2774 { MEDIUM LEFT CURLY BRACKET ORNAMENT
 → 007B { left curly bracket
 2775 } MEDIUM RIGHT CURLY BRACKET ORNAMENT
 → 007D } right curly bracket

Dingbat circled digits

- 2776 ❶ DINGBAT NEGATIVE CIRCLED DIGIT ONE
 2777 ❷ DINGBAT NEGATIVE CIRCLED DIGIT TWO
 2778 ❸ DINGBAT NEGATIVE CIRCLED DIGIT THREE
 2779 ❹ DINGBAT NEGATIVE CIRCLED DIGIT FOUR
 277A ❺ DINGBAT NEGATIVE CIRCLED DIGIT FIVE
 277B ❻ DINGBAT NEGATIVE CIRCLED DIGIT SIX
 277C ❼ DINGBAT NEGATIVE CIRCLED DIGIT SEVEN
 277D ❽ DINGBAT NEGATIVE CIRCLED DIGIT EIGHT
 277E ❾ DINGBAT NEGATIVE CIRCLED DIGIT NINE
 277F ❿ DINGBAT NEGATIVE CIRCLED NUMBER TEN
 2780 ① DINGBAT CIRCLED SANS-SERIF DIGIT ONE
 2781 ② DINGBAT CIRCLED SANS-SERIF DIGIT TWO
 2782 ③ DINGBAT CIRCLED SANS-SERIF DIGIT THREE
 2783 ④ DINGBAT CIRCLED SANS-SERIF DIGIT FOUR
 2784 ⑤ DINGBAT CIRCLED SANS-SERIF DIGIT FIVE
 2785 ⑥ DINGBAT CIRCLED SANS-SERIF DIGIT SIX
 2786 ⑦ DINGBAT CIRCLED SANS-SERIF DIGIT SEVEN
 2787 ⑧ DINGBAT CIRCLED SANS-SERIF DIGIT EIGHT

2788	⑨	DINGBAT CIRCLED SANS-SERIF DIGIT NINE	27A9	⇒	RIGHT-SHADED WHITE RIGHTWARDS ARROW
2789	⑩	DINGBAT CIRCLED SANS-SERIF NUMBER TEN	27AA	⇐	LEFT-SHADED WHITE RIGHTWARDS ARROW
278A	❶	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT ONE	27AB	↖	BACK-TILTED SHADOWED WHITE RIGHTWARDS ARROW
278B	❷	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT TWO	27AC	↗	FRONT-TILTED SHADOWED WHITE RIGHTWARDS ARROW
278C	❸	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT THREE	27AD	↘	HEAVY LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
278D	❹	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FOUR	27AE	↙	HEAVY UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
278E	❺	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FIVE	27AF	↔	NOTCHED LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
278F	❻	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SIX	27B0	◻	<reserved>
2790	❼	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SEVEN	27B1	↗	NOTCHED UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
2791	❽	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT EIGHT	27B2	↻	CIRCLED HEAVY WHITE RIGHTWARDS ARROW
2792	❾	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT NINE	27B3	⇒	WHITE-FEATHERED RIGHTWARDS ARROW
2793	❿	DINGBAT NEGATIVE CIRCLED SANS-SERIF NUMBER TEN	27B4	↘	BLACK-FEATHERED SOUTH EAST ARROW

Dingbat arrow

2794 → HEAVY WIDE-HEADED RIGHTWARDS ARROW



















































Arithmetic symbols

2795 + HEAVY PLUS SIGN
 2796 − HEAVY MINUS SIGN
 2797 ÷ HEAVY DIVISION SIGN

Dingbat arrows

2798 ↘ HEAVY SOUTH EAST ARROW
 2799 → HEAVY RIGHTWARDS ARROW
 279A ↗ HEAVY NORTH EAST ARROW
 279B ➤ DRAFTING POINT RIGHTWARDS ARROW
 279C ➡ HEAVY ROUND-TIPPED RIGHTWARDS ARROW
 279D → TRIANGLE-HEADED RIGHTWARDS ARROW
 279E → HEAVY TRIANGLE-HEADED RIGHTWARDS ARROW
 279F ⇢ DASHED TRIANGLE-HEADED RIGHTWARDS ARROW
 27A0 ⇢ HEAVY DASHED TRIANGLE-HEADED RIGHTWARDS ARROW
 27A1 ➡ BLACK RIGHTWARDS ARROW
 • fonts may harmonize this glyph with the style for other black arrows
 → 2B05 ← leftwards black arrow
 27A2 ➤ THREE-D TOP-LIGHTED RIGHTWARDS ARROWHEAD
 27A3 ➤ THREE-D BOTTOM-LIGHTED RIGHTWARDS ARROWHEAD
 27A4 ➤ BLACK RIGHTWARDS ARROWHEAD
 27A5 ➤ HEAVY BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW
 27A6 ➤ HEAVY BLACK CURVED UPWARDS AND RIGHTWARDS ARROW
 27A7 ➤ SQUAT BLACK RIGHTWARDS ARROW
 27A8 ➤ HEAVY CONCAVE-POINTED BLACK RIGHTWARDS ARROW

27B5 ➤ BLACK-FEATHERED RIGHTWARDS ARROW
 27B6 ↗ BLACK-FEATHERED NORTH EAST ARROW
 27B7 ↘ HEAVY BLACK-FEATHERED SOUTH EAST ARROW
 27B8 ➤ HEAVY BLACK-FEATHERED RIGHTWARDS ARROW
 27B9 ↗ HEAVY BLACK-FEATHERED NORTH EAST ARROW
 27BA ➤ TEARDROP-BARBED RIGHTWARDS ARROW
 27BB ➤ HEAVY TEARDROP-SHANKED RIGHTWARDS ARROW
 27BC ➤ WEDGE-TAILED RIGHTWARDS ARROW
 27BD ➤ HEAVY WEDGE-TAILED RIGHTWARDS ARROW
 27BE ⇒ OPEN-OUTLINED RIGHTWARDS ARROW

	2E0	2E1	2E2	2E3	2E4	2E5	2E6	2E7
0	 2E00	 2E10	 2E20	 2E30				
1	 2E01	 2E11	 2E21	 2E31				
2	 2E02	 2E12	 2E22	 2E32				
3	 2E03	 2E13	 2E23					
4	 2E04	 2E14	 2E24					
5	 2E05	 2E15	 2E25					
6	 2E06	 2E16	 2E26					
7	 2E07	 2E17	 2E27					
8	 2E08	 2E18	 2E28					
9	 2E09	 2E19	 2E29					
A	 2E0A	 2E1A	 2E2A					
B	 2E0B	 2E1B	 2E2B					
C	 2E0C	 2E1C	 2E2C					
D	 2E0D	 2E1D	 2E2D					
E	 2E0E	 2E1E	 2E2E					
F	 2E0F	 2E1F	 2E2F					

UTC: 2009-02-06
 WG2: SSSS
 contact: Markus Scherer
 document: Nxxxx, L2/09-026
 font: Apple Emoji
 target: Amd7

New Testament editorial symbols

2E00	┌	RIGHT ANGLE SUBSTITUTION MARKER → 231C ┌ top left corner
2E01	┆	RIGHT ANGLE DOTTED SUBSTITUTION MARKER
2E02	⌈	LEFT SUBSTITUTION BRACKET
2E03	⌋	RIGHT SUBSTITUTION BRACKET
2E04	⌈̇	LEFT DOTTED SUBSTITUTION BRACKET
2E05	⌋̇	RIGHT DOTTED SUBSTITUTION BRACKET
2E06	‡	RAISED INTERPOLATION MARKER → 22A4 ‡ down tack
2E07	‡̇	RAISED DOTTED INTERPOLATION MARKER
2E08	↵	DOTTED TRANSPOSITION MARKER
2E09	↵̇	LEFT TRANSPOSITION BRACKET
2E0A	↵̇	RIGHT TRANSPOSITION BRACKET
2E0B	◻	RAISED SQUARE • used as an opening raised omission bracket
2E0C	⏏	LEFT RAISED OMISSION BRACKET • used as an opening or closing raised omission bracket
2E0D	⏏	RIGHT RAISED OMISSION BRACKET • used as a closing or opening raised omission bracket

Ancient Greek textual symbols

2E0E	Ϛ	EDITORIAL CORONIS → 1FBD Ϛ greek koronis
2E0F	▬	PARAGRAPHOS
2E10	⸮	FORKED PARAGRAPHOS
2E11	⸮̂	REVERSED FORKED PARAGRAPHOS
2E12	⸮̂	HYPODIASTOLE
2E13	Ϝ	DOTTED OBELOS • glyph variants may look like ‘Ϝ’ or ‘Ϝ̇’ → 2052 Ϝ commercial minus sign
2E14	↙	DOWNWARDS ANCORA • contrary to its formal name this symbol points upwards
2E15	↗	UPWARDS ANCORA • contrary to its formal name this symbol points downwards
2E16	ϝ	DOTTED RIGHT-POINTING ANGLE = dipole periestigmene

Ancient Near-Eastern linguistic symbol

2E17	≡	DOUBLE OBLIQUE HYPHEN • used in ancient Near-Eastern linguistics • hyphen in Fraktur text uses 002D - or 2010 - , but with a ‘≡’ glyph in Fraktur fonts → 002D - hyphen-minus → 003D = equals sign → 2010 - hyphen
------	---	---

General punctuation

2E18	‽	INVERTED INTERROBANG = gñaborretni → 203D ‽ interrobang
2E19	⁄	PALM BRANCH • used as a separator

Dictionary punctuation

These punctuation marks are used mostly in German dictionaries, to indicate umlaut or case changes with abbreviated stems.

2E1A	¨	HYPHEN WITH DIAERESIS • indicates umlaut of the stem vowel of a plural form
2E1B	˜	TILDE WITH RING ABOVE • indicates change in case for derived form

Brackets

2E1C	⏏	LEFT LOW PARAPHRASE BRACKET
2E1D	⏏	RIGHT LOW PARAPHRASE BRACKET • used in N’Ko

Dictionary punctuation

2E1E	˙	TILDE WITH DOT ABOVE • indicates derived form changes to uppercase
2E1F	˘	TILDE WITH DOT BELOW • indicates derived form changes to lowercase

Brackets

2E20		LEFT VERTICAL BAR WITH QUILL
2E21		RIGHT VERTICAL BAR WITH QUILL

Half brackets

These form a set of four corner brackets and are used editorially. They are distinguished from mathematical floor and ceiling characters. Occasionally quine corners are substituted for half brackets.

2E22	┌	TOP LEFT HALF BRACKET → 2308 ┌ left ceiling → 231C ┌ top left corner → 300C ┌ left corner bracket
2E23	┐	TOP RIGHT HALF BRACKET
2E24	└	BOTTOM LEFT HALF BRACKET
2E25	┘	BOTTOM RIGHT HALF BRACKET

Brackets

2E26	⊂	LEFT SIDEWAYS U BRACKET → 2282 ⊂ subset of
2E27	⊃	RIGHT SIDEWAYS U BRACKET → 2283 ⊃ superset of
2E28	⌜	LEFT DOUBLE PARENTHESIS → 2985 ⌜ left white parenthesis → FF5F ⌜ fullwidth left white parenthesis
2E29	⌝	RIGHT DOUBLE PARENTHESIS

































































Historic punctuation

2E2A	∴	TWO DOTS OVER ONE DOT PUNCTUATION
2E2B	∵	ONE DOT OVER TWO DOTS PUNCTUATION
2E2C	∴	SQUARED FOUR DOT PUNCTUATION
2E2D	∴	FIVE DOT MARK
2E2E	‽	REVERSED QUESTION MARK = punctus percontativus → 003F ‽ question mark → 00BF ‽ inverted question mark → 061F ‽ arabic question mark

- 2E2F ‘ VERTICAL TILDE
- used for Cyrillic yerik
 - 033E ́ combining vertical tilde
 - A67F ҃ cyrillic payerok
- 2E30 ° RING POINT
- used in Avestan
 - 2218 ° ring operator
 - 25E6 ° white bullet
- 2E31 · WORD SEPARATOR MIDDLE DOT
- used in Avestan, Samaritan, ...
 - 00B7 · middle dot

Length mark


- 2E32 ͡ LOOPED LENGTH MARK


	1F0A	1F0B	1F0C	1F0D
0	 1F0A0			
1	 1F0A1	 1F0B1	 1F0C1	 1F0D1
2	 1F0A2	 1F0B2	 1F0C2	 1F0D2
3	 1F0A3	 1F0B3	 1F0C3	 1F0D3
4	 1F0A4	 1F0B4	 1F0C4	 1F0D4
5	 1F0A5	 1F0B5	 1F0C5	 1F0D5
6	 1F0A6	 1F0B6	 1F0C6	 1F0D6
7	 1F0A7	 1F0B7	 1F0C7	 1F0D7
8	 1F0A8	 1F0B8	 1F0C8	 1F0D8
9	 1F0A9	 1F0B9	 1F0C9	 1F0D9
A	 1F0AA	 1F0BA	 1F0CA	 1F0DA
B	 1F0AB	 1F0BB	 1F0CB	 1F0DB
C	 1F0AC	 1F0BC	 1F0CC	 1F0DC
D	 1F0AD	 1F0BD	 1F0CD	 1F0DD
E	 1F0AE	 1F0BE	 1F0CE	 1F0DE
F			 1F0CF	 1F0DF


These characters are used to represent the 52-card and 56-card variants of modern playing cards, as well as the 56-card Minor Arcana of the Western Tarot.


1F0A0  PLAYING CARD BACK


Spades or Swords


1F0A1  PLAYING CARD ACE OF SPADES
• ace of swords


1F0A2  PLAYING CARD TWO OF SPADES


1F0A3  PLAYING CARD THREE OF SPADES


1F0A4  PLAYING CARD FOUR OF SPADES


1F0A5  PLAYING CARD FIVE OF SPADES


1F0A6  PLAYING CARD SIX OF SPADES


1F0A7  PLAYING CARD SEVEN OF SPADES


1F0A8  PLAYING CARD EIGHT OF SPADES


1F0A9  PLAYING CARD NINE OF SPADES

1F0AA  PLAYING CARD TEN OF SPADES

1F0AB  PLAYING CARD JACK OF SPADES
= valet, Bube, Unter, Page, fante
= page of swords


1F0AC  PLAYING CARD KNIGHT OF SPADES
= chevalier, Ober, Ritter, cavall, cavaliere
= knight of swords

1F0AD  PLAYING CARD QUEEN OF SPADES
= dame, Dame, Königin, regina
= queen of swords


1F0AE  PLAYING CARD KING OF SPADES
= roi, König, re
= king of swords

Hearts or Cups

1F0B1  PLAYING CARD ACE OF HEARTS
= ace of cups

1F0B2  PLAYING CARD TWO OF HEARTS

1F0B3  PLAYING CARD THREE OF HEARTS

1F0B4  PLAYING CARD FOUR OF HEARTS

1F0B5  PLAYING CARD FIVE OF HEARTS

1F0B6  PLAYING CARD SIX OF HEARTS

1F0B7  PLAYING CARD SEVEN OF HEARTS


1F0B8  PLAYING CARD EIGHT OF HEARTS

1F0B9  PLAYING CARD NINE OF HEARTS

1F0BA  PLAYING CARD TEN OF HEARTS


1F0BB  PLAYING CARD JACK OF HEARTS
= valet, Bube, Unter, Page, fante
= page of cups


1F0BC  PLAYING CARD KNIGHT OF HEARTS
= chevalier, Ober, Ritter, cavall, cavaliere
= knight of cups


1F0BD  PLAYING CARD QUEEN OF HEARTS
= dame, Dame, Königin, regina
= queen of cups


1F0BE  PLAYING CARD KING OF HEARTS
= roi, König, re
= king of cups


Diamonds or Pentacles

1F0C1  PLAYING CARD ACE OF DIAMONDS
= ace of pentacles

1F0C2  PLAYING CARD TWO OF DIAMONDS

1F0C3  PLAYING CARD THREE OF DIAMONDS

1F0C4  PLAYING CARD FOUR OF DIAMONDS

1F0C5  PLAYING CARD FIVE OF DIAMONDS

1F0C6  PLAYING CARD SIX OF DIAMONDS

1F0C7  PLAYING CARD SEVEN OF DIAMONDS

1F0C8  PLAYING CARD EIGHT OF DIAMONDS

1F0C9  PLAYING CARD NINE OF DIAMONDS

1F0CA  PLAYING CARD TEN OF DIAMONDS

1F0CB  PLAYING CARD JACK OF DIAMONDS
= valet, Bube, Unter, Page, fante
= page of pentacles


1F0CC  PLAYING CARD KNIGHT OF DIAMONDS
= chevalier, Ober, Ritter, cavall, cavaliere
= knight of pentacles


1F0CD  PLAYING CARD QUEEN OF DIAMONDS
= dame, Dame, Königin, regina
= queen of pentacles


1F0CE  PLAYING CARD KING OF DIAMONDS
= roi, König, re
= king of pentacles


1F0CF  PLAYING CARD BLACK JOKER


Clubs or Wands


1F0D1  PLAYING CARD ACE OF CLUBS
= ace of wands


1F0D2  PLAYING CARD TWO OF CLUBS


1F0D3  PLAYING CARD THREE OF CLUBS


1F0D4  PLAYING CARD FOUR OF CLUBS


1F0D5  PLAYING CARD FIVE OF CLUBS


1F0D6  PLAYING CARD SIX OF CLUBS


1F0D7  PLAYING CARD SEVEN OF CLUBS


1F0D8  PLAYING CARD EIGHT OF CLUBS


1F0D9  PLAYING CARD NINE OF CLUBS


1F0DA  PLAYING CARD TEN OF CLUBS

1F0DB  PLAYING CARD JACK OF CLUBS
= valet, Bube, Unter, Page, fante
= page of wands

1F0DC  PLAYING CARD KNIGHT OF CLUBS
= chevalier, Ober, Ritter, cavall, cavaliere
= knight of wands

1F0DD  PLAYING CARD QUEEN OF CLUBS
= dame, Dame, Königin, regina
= queen of wands

1F0DE  PLAYING CARD KING OF CLUBS
= roi, König, re
= king of wands

1F0DF  PLAYING CARD WHITE JOKER
• may also be red

	1F10	1F11	1F12	1F13	1F14	1F15	1F16	1F17	1F18	1F19	1F1A	1F1B	1F1C	1F1D	1F1E	1F1F
0	0. 1F100	(A) 1F110	(Q) 1F120	A 1F130	Q 1F140	A 1F150	Q 1F160	A 1F170	Q 1F180	DJ 1F190						
1	0, 1F101	(B) 1F111	(R) 1F121	B 1F131	R 1F141	B 1F151	R 1F161	B 1F171	R 1F181							
2	1, 1F102	(C) 1F112	(S) 1F122	C 1F132	S 1F142	C 1F152	S 1F162	C 1F172	S 1F182							
3	2, 1F103	(D) 1F113	(T) 1F123	D 1F133	T 1F143	D 1F153	T 1F163	D 1F173	T 1F183							
4	3, 1F104	(E) 1F114	(U) 1F124	E 1F134	U 1F144	E 1F154	U 1F164	E 1F174	U 1F184							
5	4, 1F105	(F) 1F115	(V) 1F125	F 1F135	V 1F145	F 1F155	V 1F165	F 1F175	V 1F185							
6	5, 1F106	(G) 1F116	(W) 1F126	G 1F136	W 1F146	G 1F156	W 1F166	G 1F176	W 1F186							
7	6, 1F107	(H) 1F117	(X) 1F127	H 1F137	X 1F147	H 1F157	X 1F167	H 1F177	X 1F187							
8	7, 1F108	(I) 1F118	(Y) 1F128	I 1F138	Y 1F148	I 1F158	Y 1F168	I 1F178	Y 1F188							
9	8, 1F109	(J) 1F119	(Z) 1F129	J 1F139	Z 1F149	J 1F159	Z 1F169	J 1F179	Z 1F189							
A	9, 1F10A	(K) 1F11A	(S) 1F12A	K 1F13A	HV 1F14A	K 1F15A		K 1F17A	R 1F18A							
B		(L) 1F11B	(C) 1F12B	L 1F13B	MV 1F14B	L 1F15B		L 1F17B	IC 1F18B							
C		(M) 1F11C	(R) 1F12C	M 1F13C	SD 1F14C	M 1F15C		M 1F17C	PA 1F18C							
D		(N) 1F11D	(CD) 1F12D	N 1F13D	SS 1F14D	N 1F15D		N 1F17D	SA 1F18D							
E		(O) 1F11E	(Wz) 1F12E	O 1F13E	PPV 1F14E	O 1F15E		O 1F17E	AB 1F18E							
F		(P) 1F11F		P 1F13F	WC 1F14F	P 1F15F		P 1F17F	WC 1F18F							

UTC: 2009-02-06
 WG2: \$\$\$\$
 contact: Karl Pentzlin,
 Markus Scherer
 document: L2/09-026,
 L2/09-034
 font: Apple Emoji
 target: Amd7

Number with full stop

1F100 **0**. DIGIT ZERO FULL STOP
 ≈ 0030 0 002E .

Numbers with comma

1F101 **0**, DIGIT ZERO COMMA
 ≈ 0030 0 002C ,
 1F102 **1**, DIGIT ONE COMMA
 ≈ 0031 1 002C ,
 1F103 **2**, DIGIT TWO COMMA
 ≈ 0032 2 002C ,
 1F104 **3**, DIGIT THREE COMMA
 ≈ 0033 3 002C ,
 1F105 **4**, DIGIT FOUR COMMA
 ≈ 0034 4 002C ,
 1F106 **5**, DIGIT FIVE COMMA
 ≈ 0035 5 002C ,
 1F107 **6**, DIGIT SIX COMMA
 ≈ 0036 6 002C ,
 1F108 **7**, DIGIT SEVEN COMMA
 ≈ 0037 7 002C ,
 1F109 **8**, DIGIT EIGHT COMMA
 ≈ 0038 8 002C ,
 1F10A **9**, DIGIT NINE COMMA
 ≈ 0039 9 002C ,

Parenthesized Latin letters

1F110 **(A)** PARENTHESIZED LATIN CAPITAL LETTER
 A
 ≈ 0028 (0041 A 0029)
 1F111 **(B)** PARENTHESIZED LATIN CAPITAL LETTER
 B
 ≈ 0028 (0042 B 0029)
 1F112 **(C)** PARENTHESIZED LATIN CAPITAL LETTER
 C
 ≈ 0028 (0043 C 0029)
 1F113 **(D)** PARENTHESIZED LATIN CAPITAL LETTER
 D
 ≈ 0028 (0044 D 0029)
 1F114 **(E)** PARENTHESIZED LATIN CAPITAL LETTER
 E
 ≈ 0028 (0045 E 0029)
 1F115 **(F)** PARENTHESIZED LATIN CAPITAL LETTER
 F
 ≈ 0028 (0046 F 0029)
 1F116 **(G)** PARENTHESIZED LATIN CAPITAL LETTER
 G
 ≈ 0028 (0047 G 0029)
 1F117 **(H)** PARENTHESIZED LATIN CAPITAL LETTER
 H
 ≈ 0028 (0048 H 0029)
 1F118 **(I)** PARENTHESIZED LATIN CAPITAL LETTER
 I
 ≈ 0028 (0049 I 0029)
 1F119 **(J)** PARENTHESIZED LATIN CAPITAL LETTER
 J
 ≈ 0028 (004A J 0029)
 1F11A **(K)** PARENTHESIZED LATIN CAPITAL LETTER
 K
 ≈ 0028 (004B K 0029)

1F11B **(L)** PARENTHESIZED LATIN CAPITAL LETTER
 L
 ≈ 0028 (004C L 0029)
 1F11C **(M)** PARENTHESIZED LATIN CAPITAL LETTER
 M
 ≈ 0028 (004D M 0029)
 1F11D **(N)** PARENTHESIZED LATIN CAPITAL LETTER
 N
 ≈ 0028 (004E N 0029)
 1F11E **(O)** PARENTHESIZED LATIN CAPITAL LETTER
 O
 ≈ 0028 (004F O 0029)
 1F11F **(P)** PARENTHESIZED LATIN CAPITAL LETTER
 P
 ≈ 0028 (0050 P 0029)
 1F120 **(Q)** PARENTHESIZED LATIN CAPITAL LETTER
 Q
 ≈ 0028 (0051 Q 0029)
 1F121 **(R)** PARENTHESIZED LATIN CAPITAL LETTER
 R
 ≈ 0028 (0052 R 0029)
 1F122 **(S)** PARENTHESIZED LATIN CAPITAL LETTER
 S
 ≈ 0028 (0053 S 0029)
 1F123 **(T)** PARENTHESIZED LATIN CAPITAL LETTER
 T
 ≈ 0028 (0054 T 0029)
 1F124 **(U)** PARENTHESIZED LATIN CAPITAL LETTER
 U
 ≈ 0028 (0055 U 0029)
 1F125 **(V)** PARENTHESIZED LATIN CAPITAL LETTER
 V
 ≈ 0028 (0056 V 0029)
 1F126 **(W)** PARENTHESIZED LATIN CAPITAL LETTER
 W
 ≈ 0028 (0057 W 0029)
 1F127 **(X)** PARENTHESIZED LATIN CAPITAL LETTER
 X
 ≈ 0028 (0058 X 0029)
 1F128 **(Y)** PARENTHESIZED LATIN CAPITAL LETTER
 Y
 ≈ 0028 (0059 Y 0029)
 1F129 **(Z)** PARENTHESIZED LATIN CAPITAL LETTER
 Z
 ≈ 0028 (005A Z 0029)

Latin letter with tortoise shell brackets

1F12A **(S)** TORTOISE SHELL BRACKETED LATIN
 CAPITAL LETTER S
 = baseball scoring
 ≈ 3014 (0053 S 3015)

Circled italic Latin letters

1F12B **(C)** CIRCLED ITALIC LATIN CAPITAL LETTER
 C
 = compact disc or single disc record
 ≈ <circle> 0043 C
 1F12C **(R)** CIRCLED ITALIC LATIN CAPITAL LETTER
 R
 = disc record
 ≈ <circle> 0052 R

Circled Latin letters

- 1F12D **Ⓒ** CIRCLED CD
→ 33C5 cd square cd
≈ <circle> 0043 C 0044 D
- 1F12E **Ⓦ** CIRCLED WZ
• from the German term “Warenzeichen”
• indicates a trademarked term without making a legal claim of trademark status
≈ <circle> 0057 W 007A z

Squared Latin letters

- 1F130 **Ⓐ** SQUARED LATIN CAPITAL LETTER A
≈ <square> 0041 A
- 1F131 **Ⓑ** SQUARED LATIN CAPITAL LETTER B
= b-mode stereo compression broadcasting service ARIB STD B24
≈ <square> 0042 B
- 1F132 **Ⓒ** SQUARED LATIN CAPITAL LETTER C
≈ <square> 0043 C
- 1F133 **Ⓓ** SQUARED LATIN CAPITAL LETTER D
≈ <square> 0044 D
- 1F134 **Ⓔ** SQUARED LATIN CAPITAL LETTER E
≈ <square> 0045 E
- 1F135 **Ⓕ** SQUARED LATIN CAPITAL LETTER F
= fire station, Feuerwache
≈ <square> 0046 F
- 1F136 **Ⓖ** SQUARED LATIN CAPITAL LETTER G
≈ <square> 0047 G
- 1F137 **Ⓗ** SQUARED LATIN CAPITAL LETTER H
= Hotel
≈ <square> 0048 H
- 1F138 **Ⓘ** SQUARED LATIN CAPITAL LETTER I
≈ <square> 0049 I
- 1F139 **Ⓙ** SQUARED LATIN CAPITAL LETTER J
≈ <square> 004A J
- 1F13A **Ⓚ** SQUARED LATIN CAPITAL LETTER K
≈ <square> 004B K
- 1F13B **Ⓛ** SQUARED LATIN CAPITAL LETTER L
≈ <square> 004C L
- 1F13C **Ⓜ** SQUARED LATIN CAPITAL LETTER M
= Museum
≈ <square> 004D M
- 1F13D **Ⓝ** SQUARED LATIN CAPITAL LETTER N
= news ARIB STD B24
≈ <square> 004E N
- 1F13E **Ⓞ** SQUARED LATIN CAPITAL LETTER O
≈ <square> 004F O
- 1F13F **Ⓟ** SQUARED LATIN CAPITAL LETTER P
= progressive broadcasting ARIB STD B24
= Parking, Parkplatz
≈ <square> 0050 P
- 1F140 **Ⓠ** SQUARED LATIN CAPITAL LETTER Q
≈ <square> 0051 Q
- 1F141 **Ⓡ** SQUARED LATIN CAPITAL LETTER R
≈ <square> 0052 R
- 1F142 **Ⓢ** SQUARED LATIN CAPITAL LETTER S
= stereo broadcasting service ARIB STD B24
= School, Schule
≈ <square> 0053 S
- 1F143 **Ⓣ** SQUARED LATIN CAPITAL LETTER T
≈ <square> 0054 T

- 1F144 **Ⓤ** SQUARED LATIN CAPITAL LETTER U
= Underground railway, U-Bahn
≈ <square> 0055 U
- 1F145 **Ⓥ** SQUARED LATIN CAPITAL LETTER V
≈ <square> 0056 V
- 1F146 **Ⓦ** SQUARED LATIN CAPITAL LETTER W
= wide-format 16:9 broadcasting service ARIB STD B24
≈ <square> 0057 W
- 1F147 **Ⓧ** SQUARED LATIN CAPITAL LETTER X
≈ <square> 0058 X
- 1F148 **Ⓨ** SQUARED LATIN CAPITAL LETTER Y
≈ <square> 0059 Y
- 1F149 **Ⓩ** SQUARED LATIN CAPITAL LETTER Z
≈ <square> 005A Z
- 1F14A **ⓂⓋ** SQUARED HV
= hdtv
≈ <square> 0048 H 0056 V
- 1F14B **ⓂⓋ** SQUARED MV
= multi-view television
≈ <square> 004D M 0056 V
- 1F14C **ⓈⒹ** SQUARED SD
= sdtv
≈ <square> 0053 S 0044 D
- 1F14D **ⓈⓈ** SQUARED SS
= surround stereo broadcasting service
≈ <square> 0053 S 0053 S
- 1F14E **ⓅⓋ** SQUARED PPV
= pay-per-view
≈ <square> 0050 P 0050 P 0056 V
- 1F14F **ⓌⒸ** SQUARED WC
= public toilet, water closet
≈ <square> 0057 W 0043 C

Negative circled Latin letters

- 1F150 **Ⓐ** NEGATIVE CIRCLED LATIN CAPITAL LETTER A
- 1F151 **Ⓑ** NEGATIVE CIRCLED LATIN CAPITAL LETTER B
- 1F152 **Ⓒ** NEGATIVE CIRCLED LATIN CAPITAL LETTER C
- 1F153 **Ⓓ** NEGATIVE CIRCLED LATIN CAPITAL LETTER D
- 1F154 **Ⓔ** NEGATIVE CIRCLED LATIN CAPITAL LETTER E
- 1F155 **Ⓕ** NEGATIVE CIRCLED LATIN CAPITAL LETTER F
- 1F156 **Ⓖ** NEGATIVE CIRCLED LATIN CAPITAL LETTER G
- 1F157 **Ⓗ** NEGATIVE CIRCLED LATIN CAPITAL LETTER H
= hotel ARIB STD B24
= Haltestelle (bus stop)
- 1F158 **Ⓘ** NEGATIVE CIRCLED LATIN CAPITAL LETTER I
- 1F159 **Ⓙ** NEGATIVE CIRCLED LATIN CAPITAL LETTER J
- 1F15A **Ⓚ** NEGATIVE CIRCLED LATIN CAPITAL LETTER K
- 1F15B **Ⓛ** NEGATIVE CIRCLED LATIN CAPITAL LETTER L
- 1F15C **Ⓜ** NEGATIVE CIRCLED LATIN CAPITAL LETTER M
= Metro

- 1F15D **N** NEGATIVE CIRCLED LATIN CAPITAL LETTER N
- 1F15E **O** NEGATIVE CIRCLED LATIN CAPITAL LETTER O
- 1F15F **P** NEGATIVE CIRCLED LATIN CAPITAL LETTER P
= parking space ARIB STD B24
- 1F160 **Q** NEGATIVE CIRCLED LATIN CAPITAL LETTER Q
- 1F161 **R** NEGATIVE CIRCLED LATIN CAPITAL LETTER R
= Raststätte (rest stop)
- 1F162 **S** NEGATIVE CIRCLED LATIN CAPITAL LETTER S
= Stadtbahn (metropolitan railway)
- 1F163 **T** NEGATIVE CIRCLED LATIN CAPITAL LETTER T
= Tankstelle (petrol station)
- 1F164 **U** NEGATIVE CIRCLED LATIN CAPITAL LETTER U
= underground rail
- 1F165 **V** NEGATIVE CIRCLED LATIN CAPITAL LETTER V
- 1F166 **W** NEGATIVE CIRCLED LATIN CAPITAL LETTER W
- 1F167 **X** NEGATIVE CIRCLED LATIN CAPITAL LETTER X
- 1F168 **Y** NEGATIVE CIRCLED LATIN CAPITAL LETTER Y
- 1F169 **Z** NEGATIVE CIRCLED LATIN CAPITAL LETTER Z

Negative squared Latin letters

The square edges may be slightly rounded.

- 1F170 **A** NEGATIVE SQUARED LATIN CAPITAL LETTER A
= blood type A
- 1F171 **B** NEGATIVE SQUARED LATIN CAPITAL LETTER B
= blood type B
- 1F172 **C** NEGATIVE SQUARED LATIN CAPITAL LETTER C
- 1F173 **D** NEGATIVE SQUARED LATIN CAPITAL LETTER D
- 1F174 **E** NEGATIVE SQUARED LATIN CAPITAL LETTER E
- 1F175 **F** NEGATIVE SQUARED LATIN CAPITAL LETTER F
= fire station, Feuerwache
- 1F176 **G** NEGATIVE SQUARED LATIN CAPITAL LETTER G
- 1F177 **H** NEGATIVE SQUARED LATIN CAPITAL LETTER H
- 1F178 **I** NEGATIVE SQUARED LATIN CAPITAL LETTER I
- 1F179 **J** NEGATIVE SQUARED LATIN CAPITAL LETTER J
= junction ARIB STD B24
- 1F17A **K** NEGATIVE SQUARED LATIN CAPITAL LETTER K
- 1F17B **L** NEGATIVE SQUARED LATIN CAPITAL LETTER L
= leisure centre ARIB STD B24

- 1F17C **M** NEGATIVE SQUARED LATIN CAPITAL LETTER M
= museum or cultural centre ARIB STD B24
- 1F17D **N** NEGATIVE SQUARED LATIN CAPITAL LETTER N
- 1F17E **O** NEGATIVE SQUARED LATIN CAPITAL LETTER O
= blood type O
- 1F17F **P** NEGATIVE SQUARED LATIN CAPITAL LETTER P
= parking space empty-full ARIB STD B24
- 1F180 **Q** NEGATIVE SQUARED LATIN CAPITAL LETTER Q
- 1F181 **R** NEGATIVE SQUARED LATIN CAPITAL LETTER R
- 1F182 **S** NEGATIVE SQUARED LATIN CAPITAL LETTER S
- 1F183 **T** NEGATIVE SQUARED LATIN CAPITAL LETTER T
- 1F184 **U** NEGATIVE SQUARED LATIN CAPITAL LETTER U
- 1F185 **V** NEGATIVE SQUARED LATIN CAPITAL LETTER V
- 1F186 **W** NEGATIVE SQUARED LATIN CAPITAL LETTER W
- 1F187 **X** NEGATIVE SQUARED LATIN CAPITAL LETTER X
- 1F188 **Y** NEGATIVE SQUARED LATIN CAPITAL LETTER Y
- 1F189 **Z** NEGATIVE SQUARED LATIN CAPITAL LETTER Z
- 1F18A **P** CROSSED WHITE ON BLACK SQUARED LATIN CAPITAL LETTER P
= parking space closed
- 1F18B **IC** WHITE ON BLACK SQUARED IC
= interchange or ramp
- 1F18C **PA** WHITE ON BLACK SQUARED PA
= parking area
- 1F18D **SA** WHITE ON BLACK SQUARED SA
= service area
- 1F18E **AB** WHITE ON BLACK SQUARED AB
= blood type AB
- 1F18F **WC** WHITE ON BLACK SQUARED WC
= public toilet, water closet
- 1F190 **DJ** SQUARE DJ
= disc jockey
≈ <square> 0044 D 004A J

	1F20	1F21	1F22	1F23	1F24	1F25	1F26	1F27	1F28	1F29	1F2A	1F2B	1F2C	1F2D	1F2E	1F2F
0	ほか 1F200	一 1F210	後 1F220	遊 1F230	(三) 1F240	得 1F250										
1	コ 1F201	三 1F211	手 1F221	禁 1F231	(二) 1F241	可 1F251										
2	サ 1F202	中 1F212	打 1F222	空 1F232	勝 1F242											
3		二 1F213	投 1F223	合 1F233	安 1F243											
4		交 1F214	指 1F224	満 1F234	打 1F244											
5		再 1F215	捕 1F225	有 1F235	敗 1F245											
6		初 1F216	料 1F226	月 1F236	本 1F246											
7		前 1F217	新 1F227	申 1F237	点 1F247											
8		双 1F218	映 1F228	割 1F238	盗 1F248											
9		右 1F219	演 1F229	営 1F239												
A		吹 1F21A	無 1F22A													
B		声 1F21B	生 1F22B													
C		多 1F21C	終 1F22C													
D		天 1F21D	解 1F22D													
E		字 1F21E	販 1F22E													
F		左 1F21F	走 1F22F													

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Square hiragana from ARIB STD B24

1F200 𠬪 SQUARE HIRAGANA HOKA
 = and others
 ≈ <square> 307B ほ 304B か

Square katakanas

1F201 𠬩 SQUARE KATAKANA KOKO
 = here sign
 ≈ <square> 30B3 コ 30B3 コ

1F202 𠬪 SQUARE KATAKANA SA
 = service sign
 → 32DA ㊦ circled katakana sa
 ≈ <square> 30B5 サ

Squared ideographs from ARIB STD B24

1F210 𠬰 SQUARED CJK UNIFIED IDEOGRAPH-4E00
 = first base
 ≈ <square> 4E00 一

1F211 𠬱 SQUARED CJK UNIFIED IDEOGRAPH-4E09
 = third base
 ≈ <square> 4E09 三

1F212 𠬲 SQUARED CJK UNIFIED IDEOGRAPH-4E2D
 = center field
 ≈ <square> 4E2D 中

1F213 𠬳 SQUARED CJK UNIFIED IDEOGRAPH-4E8C
 = second base
 = bilingual broadcasting service
 ≈ <square> 4E8C 二

1F214 𠬴 SQUARED CJK UNIFIED IDEOGRAPH-4EA4
 = traffic information
 ≈ <square> 4EA4 交

1F215 𠬵 SQUARED CJK UNIFIED IDEOGRAPH-518D
 = rebroadcast
 ≈ <square> 518D 再

1F216 𠬶 SQUARED CJK UNIFIED IDEOGRAPH-521D
 = first released program
 ≈ <square> 521D 初

1F217 𠬷 SQUARED CJK UNIFIED IDEOGRAPH-524D
 = the first part
 ≈ <square> 524D 前

1F218 𠬸 SQUARED CJK UNIFIED IDEOGRAPH-53CC
 = two-way broadcasting service
 ≈ <square> 53CC 双

1F219 𠬹 SQUARED CJK UNIFIED IDEOGRAPH-53F3
 = right field
 ≈ <square> 53F3 右

1F21A 𠬺 SQUARED CJK UNIFIED IDEOGRAPH-5439
 = dubbed version
 ≈ <square> 5439 吹

1F21B 𠬻 SQUARED CJK UNIFIED IDEOGRAPH-58F0
 = voice actors
 ≈ <square> 58F0 声

1F21C 𠬼 SQUARED CJK UNIFIED IDEOGRAPH-591A
 = sound-multiplex broadcasting service
 ≈ <square> 591A 多

1F21D 𠬽 SQUARED CJK UNIFIED IDEOGRAPH-5929
 = weather forecast
 ≈ <square> 5929 天

1F21E 𠬾 SQUARED CJK UNIFIED IDEOGRAPH-5B57
 = close-captioned broadcasting
 ≈ <square> 5B57 字

1F21F 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-5DE6
 = left field
 ≈ <square> 5DE6 左

1F220 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-5F8C
 = the latter part
 ≈ <square> 5F8C 後

1F221 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-624B
 = broadcasting service with sign language
 interpretation
 ≈ <square> 624B 手

1F222 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-6253
 = batter
 ≈ <square> 6253 打

1F223 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-6295
 = pitcher
 ≈ <square> 6295 投

1F224 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-6307
 = designated hitter
 ≈ <square> 6307 指

1F225 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-6355
 = catcher
 ≈ <square> 6355 捕

1F226 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-6599
 = pay broadcasting
 ≈ <square> 6599 料

1F227 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-65B0
 = new series of programme
 ≈ <square> 65B0 新

1F228 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-6620
 = drama film
 ≈ <square> 6620 映

1F229 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-6F14
 = performed by
 ≈ <square> 6F14 演

1F22A 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-7121
 = free broadcasting service
 ≈ <square> 7121 無

1F22B 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-751F
 = live broadcast
 ≈ <square> 751F 生

1F22C 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-7D42
 = the last episode
 ≈ <square> 7D42 終

1F22D 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-89E3
 = commentary broadcasting
 ≈ <square> 89E3 解

1F22E 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-8CA9
 = mail-order
 ≈ <square> 8CA9 販

1F22F 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-8D70
 = runner
 ≈ <square> 8D70 走

1F230 𠬿 SQUARED CJK UNIFIED IDEOGRAPH-904A
 = short stop
 ≈ <square> 904A 遊

Squared ideographs

- 1F231 禁 SQUARED CJK UNIFIED IDEOGRAPH-7981
= prohibited sign
≈ <square> 7981 禁
- 1F232 空 SQUARED CJK UNIFIED IDEOGRAPH-7A7A
= empty sign
≈ <square> 7A7A 空
- 1F233 合 SQUARED CJK UNIFIED IDEOGRAPH-5408
= passed sign
≈ <square> 5408 合
- 1F234 滿 SQUARED CJK UNIFIED IDEOGRAPH-6E80
= full sign
≈ <square> 6E80 滿
- 1F235 有 SQUARED CJK UNIFIED IDEOGRAPH-6709
= existence sign
→ 3292 有 circled ideograph have
≈ <square> 6709 有
- 1F236 月 SQUARED CJK UNIFIED IDEOGRAPH-6708
= monthly sign
→ 328A 月 circled ideograph moon
≈ <square> 6708 月
- 1F237 申 SQUARED CJK UNIFIED IDEOGRAPH-7533
= application sign
≈ <square> 7533 申
- 1F238 割 SQUARED CJK UNIFIED IDEOGRAPH-5272
= discount sign
≈ <square> 5272 割
- 1F239 嘗 SQUARED CJK UNIFIED IDEOGRAPH-55B6
= in business sign
≈ <square> 55B6 嘗





























































































































































































Ideographs with tortoise shell brackets from ARIB STD B24

- 1F240 三 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-4E09
= triple
≈ <compat> 3014 (4E09 三 3015)
- 1F241 二 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-4E8C
= double
≈ <compat> 3014 (4E8C 二 3015)
- 1F242 勝 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-52DD
= win
≈ <compat> 3014 (52DD 勝 3015)
- 1F243 安 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-5B89
= safe or single?
≈ <compat> 3014 (5B89 安 3015)
- 1F244 打 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-6253
= hit
≈ <compat> 3014 (6253 打 3015)
- 1F245 敗 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-6557
= loss
≈ <compat> 3014 (6557 敗 3015)
- 1F246 本 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-672C
= home run
≈ <compat> 3014 (672C 本 3015)

- 1F247 点 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-70B9
= run
≈ <compat> 3014 (70B9 点 3015)
- 1F248 盗 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-76D7
= walk or error?
≈ <compat> 3014 (76D7 盗 3015)

Circled ideographs

- 1F250 得 CIRCLED IDEOGRAPH ADVANTAGE
= advantage sign
≈ <circle> 5F97 得
- 1F251 可 CIRCLED IDEOGRAPH ACCEPT
= accept sign
≈ <circle> 53EF 可

	1F30	1F31	1F32	1F33	1F34	1F35	1F36	1F37	1F38	1F39	1F3A	1F3B	1F3C	1F3D	1F3E	1F3F
0																
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C																
D																
E																
F																

UTC: 2009-02-06
 WG2: \$\$\$\$
 contact: Markus Scherer
 document: L2/09-026
 font: Apple Emoji
 target: Amd7

Geographical symbols

1F300	🌀	CYCLONE = typhoon, hurricane
1F301	🌫️	FOGGY
1F302	🌂	CLOSED UMBRELLA
1F303	🌠	NIGHT WITH STARS
1F304	🌄	SUNRISE OVER MOUNTAINS
1F305	🌅	SUNRISE
1F306	🌆	CITYSCAPE AT DUSK
1F307	🌇	SUNSET OVER BUILDINGS
1F308	🌈	RAINBOW
1F309	🌉	BRIDGE AT NIGHT
1F30A	🌊	WATER WAVE
1F30B	🌋	VOLCANO

Astronomical symbols

1F30C	🌌	MILKY WAY
1F30D	🌐	EARTH GLOBE WITH MERIDIANS = international
1F30E	🌍	EARTH GLOBE EUROPE-AFRICA
1F30F	🌍	EARTH GLOBE ASIA-AUSTRALIA
1F310	🌍	EARTH GLOBE AMERICAS

Moon, sun, and star symbols

1F311	🌑	NEW MOON SYMBOL
1F312	🌒	WAXING CRESCENT MOON SYMBOL
1F313	🌓	FIRST QUARTER MOON SYMBOL → 263D 🌔 first quarter moon
1F314	🌔	WAXING GIBBOUS MOON SYMBOL
1F315	🌕	FULL MOON SYMBOL
1F316	🌖	WANING GIBBOUS MOON SYMBOL
1F317	🌗	LAST QUARTER MOON SYMBOL → 263E 🌘 last quarter moon
1F318	🌘	WANING CRESCENT MOON SYMBOL
1F319	🌙	CRESCENT MOON • indicates either first or last quarter moon → 263D 🌔 first quarter moon → 263E 🌘 last quarter moon
1F31A	🌑	NEW MOON WITH FACE
1F31B	🌒	FIRST QUARTER MOON WITH FACE
1F31C	🌓	LAST QUARTER MOON WITH FACE
1F31D	🌕	FULL MOON WITH FACE
1F31E	☀️	SUN WITH FACE = sun in splendour
1F31F	⭐	GLOWING STAR
1F320	🌟	SHOOTING STAR

Plant symbols

1F330	🌳	CHESTNUT
1F331	🌱	SEEDLING
1F332	🌲	EVERGREEN TREE
1F333	🌳	DECIDUOUS TREE
1F334	🌴	PALM TREE
1F335	🌵	SAGUARO CACTUS
1F336	🌺	POTTED CACTUS
1F337	🌷	TULIP
1F338	🌸	CHERRY BLOSSOM
1F339	🌹	ROSE
1F33A	🌺	HIBISCUS
1F33B	🌻	SUNFLOWER









1F33C	🌼	DAISY = blossom
1F33D	🌽	EAR OF MAIZE
1F33E	🌾	EAR OF RICE
1F33F	🌿	HERB
1F340	🍀	FOUR LEAFED CLOVER → 2618 🍀 shamrock
1F341	🍁	MAPLE LEAF
1F342	🍃	LEAF
1F343	🍂	LEAF FLUTTERING IN WIND
1F344	🍄	MUSHROOM

Fruit symbols










1F345	🍅	TOMATO
1F346	🍆	AUBERGINE = eggplant
1F347	🍇	GRAPES
1F348	🍈	MELON
1F349	🍉	WATERMELON
1F34A	🍊	TANGERINE
1F34B	🍋	LEMON
1F34C	🍌	BANANA
1F34D	🍍	PINEAPPLE
1F34E	🍏	APPLE-1
1F34F	🍏	APPLE-2
1F350	🍐	PEAR
1F351	🍑	PEACH
1F352	🍒	CHERRIES
1F353	🍓	STRAWBERRY

Food symbols





















1F354	🍔	HAMBURGER = fast food restaurant
1F355	🍕	SLICE OF PIZZA
1F356	🍖	MEAT ON BONE
1F357	🍗	POULTRY LEG
1F358	🍪	RICE CRACKER
1F359	🍡	RICE BALL
1F35A	🍛	COOKED RICE = bowl of rice
1F35B	🍛	CURRY AND RICE = Japanese style curry
1F35C	🍜	STEAMING BOWL = ramen noodles, rice donburi
1F35D	🍝	SPAGHETTI
1F35E	🍞	BREAD
1F35F	🍟	FRENCH FRIES
1F360	🍠	ROASTED SWEET POTATO
1F361	🍡	MOCHI BALLS ON SKEWER
1F362	🍤	SEAFOOD ON SKEWER
1F363	🍣	SUSHI
1F364	🍤	FRIED SHRIMP
1F365	🍷	FISH CAKE WITH SWIRL DESIGN
1F366	🍦	SOFT ICE CREAM
1F367	🍧	SHAVED ICE
1F368	🍦	ICE CREAM
1F369	🍩	DOUGHNUT
1F36A	🍪	COOKIE = biscuit
1F36B	🍫	CHOCOLATE BAR
1F36C	🍬	CANDY

1F36D		LOLLIPOP
1F36E		CUSTARD
1F36F		HONEY POT
1F370		SHORTCAKE
1F371		LUNCHBOX
1F372		POT OF FOOD
1F373		FRYING PAN
		= cooking utensil
		= cooking
1F374		FORK AND KNIFE
		= restaurant, meal
		• glyph may show a fork and spoon
		• glyph may show a crossed fork and knife
		• glyph may show a fork and knife with a plate

Beverage symbols














1F375		TEACUP WITHOUT HANDLE
		→ 26FE  cup on a black square
1F376		SAKE BOTTLE AND CUP
1F377		WINE GLASS
1F378		COCKTAIL GLASS
1F379		TROPICAL DRINK
1F37A		BEER MUG
1F37B		CLINKING BEER MUGS
		= cheers
1F37C		BABY BOTTLE

Celebration symbols









1F380		RIBBON
1F381		WRAPPED PRESENT
1F382		BIRTHDAY CAKE
1F383		JACK O LANTERN
		= Halloween
1F384		CHRISTMAS TREE
1F385		SANTA CLAUS
		= Father Christmas
1F386		FIREWORKS
1F387		FIREWORK SPARKLER
		• long, stick-like firework that looks like a burning incense stick
1F388		BALLOON
1F389		PARTY POPPER
1F38A		CONFETTI BALL
		= congratulations
1F38B		TANABATA TREE
		= tanabata tree with wishing papers
1F38C		CROSSED FLAGS
		• Japanese national holiday
1F38D		PINE DECORATION
		• Japanese new year's door decoration
1F38E		GIRLS DOLL FESTIVAL
1F38F		CARP STREAMER
1F390		WIND CHIME
1F391		MOON VIEWING CEREMONY
1F392		SCHOOL SACHEL
		• Japanese school entrance ceremony
1F393		GRADUATION CAP
		• graduation ceremony

Entertainment symbols











1F3A0		CAROUSEL HORSE
		= amusement park

1F3A1		FERRIS WHEEL
		= amusement park
1F3A2		ROLLER COASTER
1F3A3		FISHING
		= fishing pole and fish
1F3A4		MICROPHONE
		= karaoke
1F3A5		FILM
		= movie
1F3A6		CINEMA
		= movie theatre
		= movie projector
1F3A7		HEADPHONE
		= music
1F3A8		ART
		= painter's palette
1F3A9		TOP HAT
		= drama, performing arts, theatre
1F3AA		EVENT
		= circus tent
1F3AB		TICKET
		= indicate an event
1F3AC		MOVIE SHOOTING CLAPBOARD
1F3AD		PERFORMING ARTS









Game symbols







1F3AE		VIDEO GAME
		= video game controller
1F3AF		ARCHERY TARGET
		→ 25CE  bullseye
1F3B0		SLOT MACHINE
1F3B1		BILLIARDS
1F3B2		GAME DIE
1F3B3		BOWLING
1F3B4		FLOWER PLAYING CARDS
		= flower cards

Music symbols



















1F3B5		MUSICAL NOTE
		= music, being in good mood
		→ 266A  eighth note
1F3B6		MULTIPLE MUSICAL NOTES
		= dancing notes, mood, melody
1F3B7		SAXOPHONE
1F3B8		GUITAR
1F3B9		MUSICAL KEYBOARD
1F3BA		TRUMPET
1F3BB		VIOLIN
1F3BC		MUSICAL SCORE
		→ 1D11E  musical symbol g clef

Sport symbols

1F3BD		RUNNING SHIRT WITH SASH
1F3BE		TENNIS
1F3BF		SKIING
		→ 26F7  skier
1F3C0		BASKETBALL
1F3C1		CHECKERED FLAG
		= motor sports
1F3C2		SNOWBOARDER
1F3C3		RUNNER
		= running, marathon, track and fields

- 1F3C4  SURFER
= surfing
- 1F3C5  WATER SKIER
- 1F3C6  TROPHY
- 1F3C7  HORSE RACING
- 1F3C8  AMERICAN FOOTBALL
- 1F3C9  RUGBY FOOTBALL
- 1F3CA  SWIMMER

Building and map symbols

- 1F3D0  HOUSE BUILDING
- 1F3D1  HOUSE WITH GARDEN
- 1F3D2  OFFICE BUILDING
- 1F3D3  JAPANESE POST OFFICE
→ 3012  postal mark
- 1F3D4  EUROPEAN POST OFFICE
- 1F3D5  HOSPITAL
- 1F3D6  BANK
- 1F3D7  ATM
= automatic teller machine
- 1F3D8  HOTEL
- 1F3D9  LOVE HOTEL
- 1F3DA  CONVENIENCE STORE
- 1F3DB  SCHOOL
- 1F3DC  DEPARTMENT STORE
- 1F3DD  FACTORY
- 1F3DE  IZAKAYA LANTERN
= japanese izakaya restaurant
- 1F3DF  JAPANESE CASTLE
- 1F3E0  EUROPEAN CASTLE

	1F40	1F41	1F42	1F43	1F44	1F45	1F46	1F47	1F48	1F49	1F4A
0	1F400	1F410	1F420	1F430	1F440	1F450	1F460	1F470	1F480	1F490	1F4A0
1	1F401	1F411	1F421	1F431	1F441	1F451	1F461	1F471	1F481	1F491	1F4A1
2	1F402	1F412	1F422	1F432	1F442	1F452	1F462	1F472	1F482	1F492	1F4A2
3	1F403	1F413	1F423	1F433	1F443	1F453	1F463	1F473	1F483	1F493	1F4A3
4	1F404	1F414	1F424	1F434	1F444	1F454	1F464	1F474	1F484	1F494	1F4A4
5	1F405	1F415	1F425	1F435	1F445	1F455	1F465	1F475	1F485	1F495	1F4A5
6	1F406	1F416	1F426	1F436	1F446	1F456	1F466	1F476	1F486	1F496	1F4A6
7	1F407	1F417	1F427	1F437	1F447	1F457	1F467	1F477	1F487	1F497	1F4A7
8	1F408	1F418	1F428	1F438	1F448	1F458	1F468	1F478	1F488	1F498	1F4A8
9	1F409	1F419	1F429	1F439	1F449	1F459	1F469	1F479	1F489	1F499	1F4A9
A	1F40A	1F41A	1F42A	1F43A	1F44A	1F45A	1F46A	1F47A	1F48A	1F49A	1F4AA
B	1F40B	1F41B	1F42B	1F43B	1F44B	1F45B	1F46B	1F47B	1F48B	1F49B	1F4AB
C	1F40C	1F41C	1F42C	1F43C	1F44C	1F45C	1F46C	1F47C	1F48C	1F49C	1F4AC
D	1F40D	1F41D	1F42D	1F43D	1F44D	1F45D	1F46D	1F47D	1F48D	1F49D	1F4AD
E	1F40E	1F41E	1F42E	1F43E	1F44E	1F45E	1F46E	1F47E	1F48E	1F49E	1F4AE
F	1F40F	1F41F	1F42F	1F43F	1F44F	1F45F	1F46F	1F47F	1F48F	1F49F	1F4AF

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 contact: Markus Scherer
 document: L2/09-026
 font: Apple Emoji
 target: Amd7

Animal symbols

- 1F400 🐭 RAT
 • first of the signs of the Asian zodiac
- 1F401 🐁 MOUSE
 • first of the signs of the Asian zodiac, used in Persia
- 1F402 🐮 OX
 • second of the signs of the Asian zodiac
- 1F403 🐃 WATER BUFFALO
 • second of the signs of the Asian zodiac, used in Vietnam
- 1F404 🐄 COW
 • indicates beef (on menus)
- 1F405 🐅 TIGER
 • third of the signs of the Asian zodiac
- 1F406 🐆 LEOPARD
- 1F407 🐇 RABBIT
 • fourth of the signs of the Asian zodiac
- 1F408 🐈 CAT
 • fourth of the signs of the Asian zodiac, used in Vietnam
- 1F409 🐉 DRAGON
 • fifth of the signs of the Asian zodiac
- 1F40A 🐌 SNAIL
 • fifth of the signs of the Asian zodiac, used in Kazakhstan
- 1F40B 🐊 CROCODILE
 • alligator
 • fifth of the signs of the Asian zodiac, used in Persia
- 1F40C 🐳 WHALE
 • fifth of the signs of the Asian zodiac, used in Persia
- 1F40D 🐍 SNAKE
 • sixth of the signs of the Asian zodiac
- 1F40E 🐎 HORSE
 • seventh of the signs of the Asian zodiac
 = riding, equestrian sports
- 1F40F 🐏 RAM
 • eighth of the signs of the Asian zodiac
- 1F410 🐐 GOAT
 • eighth of the signs of the Asian zodiac, used in Vietnam
- 1F411 🐑 SHEEP
- 1F412 🐒 MONKEY
 • ninth of the signs of the Asian zodiac
- 1F413 🐓 ROOSTER
 = cock
 • tenth of the signs of the Asian zodiac
- 1F414 🐔 CHICKEN
 = hen
 • indicates poultry (on menus)
- 1F415 🐕 DOG
 • eleventh of the signs of the Asian zodiac
- 1F416 🐖 PIG
 • twelfth of the signs of the Asian zodiac
 • indicates pork (on menus)
- 1F417 🐷 BOAR
 • twelfth of the signs of the Asian zodiac, used in Japan

- 1F418 🐘 ELEPHANT
 • twelfth of the signs of the Asian zodiac, used in Thailand
- 1F419 🐙 OCTOPUS
- 1F41A 🐚 SPIRAL SHELL
- 1F41B 🐜 CENTIPEDE
- 1F41C 🐝 ANT
- 1F41D 🐝 HONEYBEE
- 1F41E 🐞 LADYBIRD
 = ladybug, lady beetle, coccinellids
- 1F41F 🐟 FISH
- 1F420 🐠 TROPICAL FISH
- 1F421 🐡 BLOWFISH
- 1F422 🐸 FROG
- 1F423 🐢 TURTLE
- 1F424 🐣 HATCHING CHICK
- 1F425 🐤 BABY CHICK
- 1F426 🐥 FRONT-FACING BABY CHICK
- 1F427 🐦 BIRD
- 1F428 🐧 PENGUIN
- 1F429 🐨 KOALA
- 1F42A 🐘 KANGAROO
- 1F42B 🐹 HAMSTER
- 1F42C 🐻 BEAR
- 1F42D 🐼 PANDA
- 1F42E 🐺 WOLF
- 1F42F 🐩 POODLE
- 1F430 🐫 DROMEDARY CAMEL
- 1F431 🐪 BACTRIAN CAMEL
- 1F432 🐇 DEER
- 1F433 🐦 REINDEER
- 1F434 🐬 DOLPHIN
- 1F435 🐵 MONKEY FACE
- 1F436 🐷 PIG NOSE
- 1F437 🐾 PAW PRINTS

Facial parts symbols

- 1F440 👁 EYES
- 1F441 👁 EYE
- 1F442 👂 EAR
- 1F443 👃 NOSE
- 1F444 👄 MOUTH
- 1F445 👅 TONGUE

Hand signal symbols

- 1F446 ✊ FISTED HAND
 = punch
- 1F447 👉 THUMBS UP SIGN
- 1F448 🖐 WHITE UP POINTING BACKHAND INDEX
- 1F449 🖐 WHITE DOWN POINTING BACKHAND INDEX
- 1F44A 🖐 WHITE LEFT POINTING BACKHAND INDEX
- 1F44B 🖐 WHITE RIGHT POINTING BACKHAND INDEX
- 1F44C 🖐 WAVING HAND
- 1F44D 🖐 CLAPPING HANDS
- 1F44E 🖐 OK HAND SIGN
- 1F44F 🖐 THUMBS DOWN SIGN
- 1F450 🖐 OPEN HANDS

Clothing and accessories

1F451		CROWN
1F452		WOMANS HAT
1F453		EYEGASSES
1F454		NECKTIE
1F455		T-SHIRT
1F456		JEANS
1F457		DRESS
1F458		KIMONO
1F459		BIKINI
1F45A		WOMANS CLOTHES
1F45B		PURSE
1F45C		HANDBAG
1F45D		POUCH
1F45E		MANS SHOE
1F45F		TENNIS SHOE = sneaker, runner
1F460		HIGH-HEELED SHOE
1F461		WOMANS SANDAL
1F462		WOMANS BOOTS
1F463		FOOTPRINTS

Portrait and role symbols

1F464		BUST IN SILHOUETTE = guest account
1F465		BUSTS IN SILHOUETTE = accounts
1F466		BOYS HEAD
1F467		GIRLS HEAD
1F468		MANS HEAD
1F469		WOMANS HEAD
1F46A		FAMILY
1F46B		COUPLE
1F46C		POLICE OFFICER
1F46D		WOMAN WITH BUNNY EARS
1F46E		BRIDE WITH VEIL
1F46F		MAN WITH BLOND HAIR = Euro-American person
1F470		WOMAN WITH BLOND HAIR
1F471		MAN WITH GUA PI MAO
1F472		MAN WITH TURBAN
1F473		OLDER MAN
1F474		OLDER WOMAN
1F475		BABY
1F476		CONSTRUCTION WORKER

Fairy tale symbols

1F477		PRINCESS
1F478		OGRE
1F479		GOBLIN
1F47A		GHOST
1F47B		CHERUB
1F47C		EXTRATERRESTRIAL ALIEN
1F47D		ALIEN MONSTER
1F47E		MONSTER
1F47F		SKULL

Role symbols

1F480		INFORMATION DESK PERSON
1F481		GUARDSMAN
1F482		DANCER

Personal care symbols

1F483		LIPSTICK
1F484		NAIL CARE
1F485		FACE MASSAGE
1F486		HAIRCUT • usually indicates a beauty parlor
1F487		BARBER POLE

Medical symbols

1F488		SYRINGE
1F489		PILL

Romance symbols

1F48A		KISS MARK = lips
1F48B		LOVE LETTER
1F48C		RING = jewelry
1F48D		GEM STONE
1F48E		KISS = two people kissing
1F48F		BOUQUET
1F490		COUPLE WITH HEART
1F491		WEDDING = wedding chapel

Heart symbols


1F492		BEATING HEART
1F493		BROKEN HEART
1F494		TWO HEARTS
1F495		SPARKLING HEART
1F496		GROWING HEART
1F497		HEART WITH ARROW
1F498		HEART-1
1F499		HEART-2
1F49A		HEART-3
1F49B		HEART-4
1F49C		HEART WITH RIBBON
1F49D		REVOLVING HEARTS
1F49E		HEART DECORATION


Comic-book style symbols






















1F4A0		DIAMOND SHAPE WITH A DOT INSIDE
1F4A1		ELECTRIC LIGHT BULB = idea
1F4A2		ANGER SIGN
1F4A3		BOMB
1F4A4		SLEEPING SIGN
1F4A5		COLLISION SYMBOL
1F4A6		SPLASHING SWEAT
1F4A7		DRIP
1F4A8		DASH SYMBOL = running dash
1F4A9		DOG DIRT = dung
1F4AA		FLEXED BICEP = strong, muscled
1F4AB		DIZZY SYMBOL = circling stars
1F4AC		SPEECH BALLOON = comic-book conversation bubble

1F4AD  THOUGHT BALLOON








Japanese school grade symbols

1F4AE  WHITE FLOWER
= brilliant homework





1F4AF  HUNDRED POINTS SYMBOL
= perfect score

	1F4B	1F4C	1F4D	1F4E	1F4F
0	 1F4B0	 1F4C0			
1	 1F4B1	 1F4C1			
2	 1F4B2	 1F4C2			
3	 1F4B3	 1F4C3			
4	 1F4B4	 1F4C4			
5	 1F4B5				
6	 1F4B6				
7	 1F4B7				
8	 1F4B8				
9	 1F4B9				
A	 1F4BA				
B	 1F4BB				
C	 1F4BC				
D	 1F4BD				
E	 1F4BE				
F	 1F4BF				






Letterlike Symbols

- 1F4B0  FREE SIGN
= free postage
- 1F4B1  NO ONE UNDER EIGHTEEN SIGN
- 1F4B2  OK SIGN
- 1F4B3  NO GOOD SIGN
- 1F4B4  VS SIGN
= versus
- 1F4B5  NEW SIGN
- 1F4B6  UP SIGN
= new information, update
- 1F4B7  COOL SIGN
- 1F4B8  TOP WITH UP-POINTING TRIANGLE SIGN
= top of page
- 1F4B9  SOS SIGN
= search, hunt for missing person

Time symbols

- 1F4BA  SOON WITH RIGHT ARROW ABOVE
- 1F4BB  ON WITH DOUBLE POINTING ARROW ABOVE
- 1F4BC  END WITH LEFT ARROW ABOVE
- 1F4BD  BACK WITH LEFT ARROW ABOVE

User interface input status symbols











- 1F4BE  LATIN CAPITAL LETTERS INPUT SYMBOL
- 1F4BF  LATIN SMALL LETTERS INPUT SYMBOL
- 1F4C0  NUMBERS INPUT SYMBOL
- 1F4C1  SYMBOLS INPUT SYMBOL
- 1F4C2  LATIN LETTERS INPUT SYMBOL
= English input (ABC)

User interface symbols







- 1F4C3  IDENTIFICATION SIGN
- 1F4C4  CLEAR SIGN

	1F50	1F51	1F52	1F53	1F54	1F55	1F56	1F57
0	1F500	1F510	1F520	1F530	1F540	1F550	1F560	1F570
1	1F501	1F511	1F521	1F531	1F541	1F551	1F561	1F571
2	1F502	1F512	1F522	1F532	1F542	1F552	1F562	1F572
3	1F503	1F513	1F523	1F533	1F543	1F553	1F563	1F573
4	1F504	1F514	1F524	1F534	1F544	1F554	1F564	1F574
5	1F505	1F515	1F525	1F535	1F545	1F555	1F565	1F575
6	1F506	1F516	1F526	1F536	1F546	1F556	1F566	1F576
7	1F507	1F517	1F527	1F537	1F547	1F557	1F567	1F577
8	1F508	1F518	1F528	1F538	1F548	1F558	1F568	1F578
9	1F509	1F519	1F529	1F539	1F549	1F559	1F569	1F579
A	1F50A	1F51A	1F52A	1F53A	1F54A	1F55A	1F56A	1F57A
B	1F50B	1F51B	1F52B	1F53B	1F54B	1F55B	1F56B	1F57B
C	1F50C	1F51C	1F52C	1F53C	1F54C	1F55C	1F56C	1F57C
D	1F50D	1F51D	1F52D	1F53D	1F54D	1F55D	1F56D	1F57D
E	1F50E	1F51E	1F52E	1F53E	1F54E	1F55E	1F56E	
F	1F50F	1F51F	1F52F	1F53F	1F54F	1F55F	1F56F	








Money symbols





















1F500		MONEY BAG
1F501		CURRENCY EXCHANGE
1F502		HEAVY DOLLAR SIGN
1F503		CREDIT CARD
1F504		BANKNOTE WITH YEN SIGN
1F505		BANKNOTE WITH DOLLAR SIGN
1F506		BANKNOTE WITH EURO SIGN
1F507		BANKNOTE WITH POUND SIGN
1F508		MONEY WITH WINGS
1F509		CHART WITH UPWARDS TREND AND YEN SYMBOL

Office symbols

1F50A		SEAT
1F50B		COMPUTER
1F50C		BRIEFCASE
1F50D		MINI DISC
1F50E		FLOPPY DISK
1F50F		OPTICAL DISK
1F510		DVD
1F511		FILE FOLDER
1F512		OPEN FILE FOLDER
1F513		PAGE WITH CURL
1F514		PAGE FACING UP
1F515		CALENDAR
1F516		TEAR OFF CALENDAR
1F517		CARD INDEX
1F518		CHART WITH UPWARDS TREND
1F519		CHART WITH DOWNWARDS TREND
1F51A		BAR CHART
1F51B		CLIPBOARD
1F51C		PUSHPIN
1F51D		ROUND PUSHPIN
1F51E		PAPERCLIP
1F51F		STRAIGHT RULER
1F520		TRIANGULAR RULER
1F521		BOOKMARK TABS
1F522		LEDGER
1F523		NOTEBOOK
1F524		NOTEBOOK WITH DECORATIVE COVER
1F525		VERTICAL CLOSED BOOK
1F526		OPEN BOOK
1F527		BOOK-1
1F528		BOOK-2
1F529		BOOK-3
1F52A		BOOKS
1F52B		NAME BADGE
1F52C		SCROLL

Communication symbols























1F52D		MEMO
1F52E		TELEPHONE RECEIVER
1F52F		PAGER
1F530		FAX
1F531		SATELLITE ANTENNA = position indicator, news
1F532		TRANSMISSION TOWER = Tokyo Tower, Space Needle, Berliner Fernsehturm, etc.
1F533		PUBLIC ADDRESS LOUDSPEAKER





1F534		CHEERING MEGAPHONE
1F535		OUTBOX TRAY
1F536		INBOX TRAY
1F537		PACKAGE
1F538		E-MAIL SYMBOL
1F539		INCOMING ENVELOPE → 2709  envelope
1F53A		ENVELOPE WITH ARROW • sending mail
1F53B		MAILBOX = letter box, mail reception
1F53C		MAILBOX WITH RAISED FLAG
1F53D		POSTBOX = mailbox for sending mail
1F53E		POSTAL HORN
1F53F		NEWSPAPER
1F540		MOBILE PHONE
1F541		PHONE WITH ARROW • making a phone call
1F542		VIBRATION MODE
1F543		MOBILE PHONE OFF
1F544		NO MOBILE PHONES
1F545		ANTENNA WITH BARS = cellular reception
1F546		KEYCAP TEN

Audio and video










1F547		CAMERA
1F548		VIDEO CAMERA
1F549		TELEVISION
1F54A		RADIO
1F54B		VIDEO CASSETTE TAPE

Tool symbols

















1F54C		DIM SCREEN SYMBOL
1F54D		BRIGHT SCREEN SYMBOL
1F54E		BATTERY
1F54F		ELECTRIC PLUG
1F550		LEFT-POINTING MAGNIFYING GLASS = search
1F551		RIGHT-POINTING MAGNIFYING GLASS = get more details
1F552		LOCK WITH INK PEN = privacy
1F553		CLOSED LOCK WITH KEY = secure
1F554		KEY
1F555		RADIO BUTTON
1F556		BOOKMARK
1F557		LINK SYMBOL
1F558		FIRE
1F559		MATCH
1F55A		ELECTRIC TORCH = flashlight
1F55B		WRENCH
1F55C		HAMMER
1F55D		NUT AND BOLT
1F55E		KNIFE
1F55F		PISTOL
1F560		MICROSCOPE
1F561		TELESCOPE

- 1F562  CRYSTAL BALL
 1F563  SIX POINTED STAR WITH MIDDLE DOT
 1F564  JAPANESE SYMBOL FOR BEGINNER
 1F565  TRIDENT EMBLEM

Geometric shapes







































- 1F566  BLACK ROUNDED SQUARE
 1F567  WHITE ROUNDED SQUARE
 1F568  LARGE CIRCLE-1
 → 25EF large circle
 → 2B24  black large circle
 1F569  LARGE CIRCLE-2
 → 25EF large circle
 → 2B55 checkered large circle
 1F56A  LARGE DIAMOND-1
 1F56B  LARGE DIAMOND-2
 1F56C  SMALL DIAMOND-1
 1F56D  SMALL DIAMOND-2

User interface symbols





- 1F56E  UP-POINTING TRIANGLE-1
 1F56F  DOWN-POINTING TRIANGLE-1
 1F570  UP-POINTING SMALL TRIANGLE-1
 = play arrow up
 1F571  DOWN-POINTING SMALL TRIANGLE-1
 = play arrow down
 1F572  CLOCK FACE ONE OCLOCK
 1F573  CLOCK FACE TWO OCLOCK
 1F574  CLOCK FACE THREE OCLOCK
 1F575  CLOCK FACE FOUR OCLOCK
 1F576  CLOCK FACE FIVE OCLOCK
 1F577  CLOCK FACE SIX OCLOCK
 1F578  CLOCK FACE SEVEN OCLOCK
 1F579  CLOCK FACE EIGHT OCLOCK
 1F57A  CLOCK FACE NINE OCLOCK
 1F57B  CLOCK FACE TEN OCLOCK
 1F57C  CLOCK FACE ELEVEN OCLOCK
 1F57D  CLOCK FACE TWELVE OCLOCK

	1F58	1F59	1F5A	1F5B	1F5C	1F5D	1F5E	1F5F
0	1F580	1F590	1F5A0	1F5B0	1F5C0			
1	1F581	1F591	1F5A1	1F5B1	1F5C1			
2	1F582	1F592	1F5A2	1F5B2	1F5C2			
3	1F583	1F593	1F5A3	1F5B3	1F5C3			
4	1F584	1F594	1F5A4	1F5B4	1F5C4			
5	1F585	1F595	1F5A5	1F5B5				
6	1F586	1F596	1F5A6	1F5B6				
7	1F587	1F597	1F5A7	1F5B7				
8	1F588	1F598	1F5A8	1F5B8				
9	1F589	1F599	1F5A9	1F5B9				
A	1F58A	1F59A	1F5AA	1F5BA				
B	1F58B	1F59B	1F5AB	1F5BB				
C	1F58C	1F59C	1F5AC	1F5BC				
D	1F58D	1F59D	1F5AD	1F5BD				
E	1F58E	1F59E	1F5AE	1F5BE				
F	1F58F	1F59F	1F5AF	1F5BF				











Vehicles






















1F580		ROCKET
1F581		HELICOPTER
1F582		STEAM LOCOMOTIVE
1F583		RAILWAY CAR
1F584		HIGH-SPEED TRAIN
1F585		HIGH-SPEED TRAIN WITH BULLET NOSE
1F586		INTERCITY TRAIN
1F587		UNDERGROUND TRAIN = metro, subway
1F588		LIGHT RAIL
1F589		STATION = train, subway station
1F58A		TRAM
1F58B		TRAM CAR
1F58C		BUS-1
1F58D		BUS-2
1F58E		TROLLEYBUS
1F58F		BUS STOP
1F590		MINIBUS
1F591		AMBULANCE
1F592		FIRE ENGINE
1F593		POLICE CAR-1
1F594		POLICE CAR-2
1F595		TAXI-1
1F596		TAXI-2
1F597		AUTOMOBILE-1
1F598		AUTOMOBILE-2
1F599		RECREATIONAL VEHICLE
1F59A		TRUCK
1F59B		ARTICULATED LORRY
1F59C		TRACTOR
1F59D		MONORAIL
1F59E		MOUNTAIN RAILWAY
1F59F		SUSPENSION RAILWAY
1F5A0		MOUNTAIN CABLEWAY
1F5A1		AERIAL TRAMWAY
1F5A2		SHIP → 26F4  ferry
1F5A3		ROWBOAT
1F5A4		SPEEDBOAT





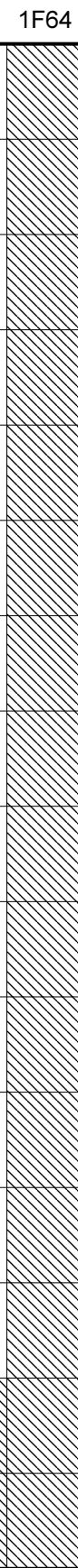



























































Traffic signs

1F5A5		HORIZONTAL TRAFFIC LIGHT
1F5A6		VERTICAL TRAFFIC LIGHT
1F5A7		CONSTRUCTION SIGN
1F5A8		ROTATING BEACON

Signage and other symbols

1F5A9		TRIANGULAR FLAG ON POST = location information
1F5AA		DOOR
1F5AB		NO ENTRY SIGN → 26D4  no entry
1F5AC		SMOKING SYMBOL
1F5AD		NO SMOKING SYMBOL
1F5AE		PUT LITTER IN ITS PLACE SYMBOL
1F5AF		DO NOT LITTER SYMBOL
1F5B0		POTABLE WATER SYMBOL
1F5B1		NON-POTABLE WATER SYMBOL

1F5B2		BICYCLE
1F5B3		NO BICYCLES
1F5B4		BICYCLIST
1F5B5		MOUNTAIN BICYCLIST
1F5B6		PEDESTRIAN = walking
1F5B7		NO PEDESTRIANS
1F5B8		CHILDREN CROSSING
1F5B9		MAN SYMBOL = men's toilet or restroom
1F5BA		WOMAN SYMBOL = women's toilet or restroom
1F5BB		MAN AND WOMAN SYMBOL WITH DIVIDER = toilet or restroom
1F5BC		BABY SYMBOL = baby on board, baby changing station
1F5BD		BATH
1F5BE		SHOWER
1F5BF		TOILET = Western style commode
1F5C0		WATER CLOSET → 1F14F  squared wc → 1F18F  white on black squared wc
1F5C1		PASSPORT CONTROL
1F5C2		CUSTOMS
1F5C3		BAGGAGE CLAIM
1F5C4		LEFT LUGGAGE

	1F60	1F61	1F62	1F63	1F64
0	 1F600	 1F610	 1F620	 1F630	
1	 1F601	 1F611	 1F621	 1F631	
2	 1F602	 1F612	 1F622	 1F632	
3	 1F603	 1F613	 1F623	 1F633	
4	 1F604	 1F614	 1F624	 1F634	
5	 1F605	 1F615	 1F625	 1F635	
6	 1F606	 1F616	 1F626	 1F636	
7	 1F607	 1F617	 1F627	 1F637	
8	 1F608	 1F618	 1F628	 1F638	
9	 1F609	 1F619	 1F629	 1F639	
A	 1F60A	 1F61A	 1F62A	 1F63A	
B	 1F60B	 1F61B	 1F62B	 1F63B	
C	 1F60C	 1F61C	 1F62C	 1F63C	
D	 1F60D	 1F61D	 1F62D	 1F63D	
E	 1F60E	 1F61E	 1F62E		
F	 1F60F	 1F61F	 1F62F		

Emoticons

































































































































1F600 😡 ANGRY FACE
 1F601 😞 ANGUISHED FACE
 1F602 😲 ASTONISHED FACE
 1F603 😞 DISAPPOINTED FACE
 1F604 🤪 DIZZY FACE
 1F605 😡 EXASPERATED FACE
 1F606 😐 EXPRESSIONLESS FACE
 1F607 😍 FACE WITH HEART SHAPED EYES
 1F608 😏 FACE WITH LOOK OF TRIUMPH
 1F609 😜 WINKING FACE WITH STUCK OUT TONGUE
 1F60A 😜 FACE WITH STUCK OUT TONGUE
 1F60B 😋 FACE SAVORING DELICIOUS FOOD
 1F60C 😘 FACE THROWING A KISS
 1F60D 😘 FACE KISSING
 1F60E 😷 FACE WITH MASK
 1F60F 🙄 FLUSHED FACE
 1F610 😄 HAPPY FACE WITH OPEN MOUTH
 1F611 😄 HAPPY FACE WITH OPEN MOUTH AND COLD SWEAT
 1F612 😄 HAPPY FACE WITH OPEN MOUTH AND CLOSED EYES
 1F613 😄 HAPPY FACE WITH GRIN
 1F614 😄 HAPPY AND CRYING FACE
 1F615 😄 HAPPY FACE WITH WIDE MOUTH AND RAISED EYEBROWS
 1F616 😄 HAPPY FACE WITH OPEN MOUTH AND RAISED EYEBROWS
 1F617 😭 CRYING FACE
 1F618 🗯️ LOUDLY CRYING FACE
 1F619 😨 FEARFUL FACE
 1F61A 😣 PERSEVERING FACE
 1F61B 😡 POUTING FACE
 1F61C 😌 RELIEVED FACE
 1F61D 😵 CONFOUNDED FACE
 1F61E 😐 PENSIVE FACE
 1F61F 😱 FACE SCREAMING IN FEAR
 1F620 😴 SLEEPY FACE
 1F621 😏 SMIRKING FACE
 1F622 😓 FACE WITH COLD SWEAT
 1F623 😌 DISAPPOINTED BUT RELIEVED FACE
 1F624 😫 TIRED FACE
 1F625 😜 WINKING FACE
 1F626 🌟 FACE WITH HALO
 1F627 🐮 FACE WITH HORNS
 1F628 🕶️ FACE WITH SUNGLASSES
 1F629 😐 DEADPAN FACE

Emoticons with cat faces

1F62A 🐱 CAT FACE WITH OPEN MOUTH
 1F62B 😺 HAPPY CAT FACE WITH GRIN
 1F62C 🐱 HAPPY AND CRYING CAT FACE
 1F62D 😺 CAT FACE KISSING
 1F62E 🐱 CAT FACE WITH HEART SHAPED EYES
 1F62F 🐱 CRYING CAT FACE
 1F630 🐱 POUTING CAT FACE
 1F631 🐱 CAT FACE WITH TIGHTLY CLOSED LIPS
 1F632 🐱 ANGUISHED CAT FACE

Gesture symbols

1F633 🙅 FACE WITH NO GOOD GESTURE
 1F634 🙆 FACE WITH OK GESTURE
 1F635 🙇 PERSON BOWING DEEPLY
 1F636 🙈 SEE NO EVIL MONKEY
 1F637 🙉 SPEAK NO EVIL MONKEY
 1F638 🙊 HEAR NO EVIL MONKEY
 1F639 🙋 PERSON RAISING ONE HAND
 1F63A 🙋👐 PERSON RAISING BOTH HANDS IN CHEERS
 1F63B 🙇 PERSON FROWNING
 1F63C 🙄 PERSON WITH POUTING FACE
 1F63D 🙏 PERSON WITH FOLDED HANDS

	1F70	1F71	1F72	1F73	1F74	1F75	1F76	1F77
0	 1F700	 1F710	 1F720	 1F730	 1F740	 1F750	 1F760	 1F770
1	 1F701	 1F711	 1F721	 1F731	 1F741	 1F751	 1F761	 1F771
2	 1F702	 1F712	 1F722	 1F732	 1F742	 1F752	 1F762	 1F772
3	 1F703	 1F713	 1F723	 1F733	 1F743	 1F753	 1F763	 1F773
4	 1F704	 1F714	 1F724	 1F734	 1F744	 1F754	 1F764	 1F774
5	 1F705	 1F715	 1F725	 1F735	 1F745	 1F755	 1F765	
6	 1F706	 1F716	 1F726	 1F736	 1F746	 1F756	 1F766	
7	 1F707	 1F717	 1F727	 1F737	 1F747	 1F757	 1F767	
8	 1F708	 1F718	 1F728	 1F738	 1F748	 1F758	 1F768	
9	 1F709	 1F719	 1F729	 1F739	 1F749	 1F759	 1F769	
A	 1F70A	 1F71A	 1F72A	 1F73A	 1F74A	 1F75A	 1F76A	
B	 1F70B	 1F71B	 1F72B	 1F73B	 1F74B	 1F75B	 1F76B	
C	 1F70C	 1F71C	 1F72C	 1F73C	 1F74C	 1F75C	 1F76C	
D	 1F70D	 1F71D	 1F72D	 1F73D	 1F74D	 1F75D	 1F76D	
E	 1F70E	 1F71E	 1F72E	 1F73E	 1F74E	 1F75E	 1F76E	
F	 1F70F	 1F71F	 1F72F	 1F73F	 1F74F	 1F75F	 1F76F	

Aristotelian elements symbols

- 1F700 $\alpha\epsilon$ ALCHEMICAL SYMBOL FOR
 QUINTESSENCE
- 1F701 \triangle ALCHEMICAL SYMBOL FOR AIR
- 1F702 \triangle ALCHEMICAL SYMBOL FOR FIRE
 → 25B3 white up-pointing triangle
- 1F703 ∇ ALCHEMICAL SYMBOL FOR EARTH
 → 2641 \ominus earth
- 1F704 ∇ ALCHEMICAL SYMBOL FOR WATER
 → 25BD white down-pointing triangle

Symbols for important solvents

- 1F705 ∇ ALCHEMICAL SYMBOL FOR AQUAFORTIS
- 1F706 ∇ ALCHEMICAL SYMBOL FOR AQUA REGIA
- 1F707 ∇ ALCHEMICAL SYMBOL FOR AQUA
 REGIA-2
 = balneum arenae (sand bath), lapis armenus
 (Armenian stone)
- 1F708 ∇ ALCHEMICAL SYMBOL FOR AQUA-VITAE
 = spiritus vini
- 1F709 ∇ ALCHEMICAL SYMBOL FOR AQUA-
 VITAE-2
- 1F70A ∇ ALCHEMICAL SYMBOL FOR VINEGAR
 = crucible; acid; distill; atrament; vitriol; red
 sulfur; borax; wine; alkali salt; mercurius
 vivus, quick silver
 → 002B + plus sign
- 1F70B ∇ ALCHEMICAL SYMBOL FOR VINEGAR-2
 = distilled vinegar
- 1F70C ∇ ALCHEMICAL SYMBOL FOR VINEGAR-3

Symbols for sulfur and mercury

- 1F70D ∇ ALCHEMICAL SYMBOL FOR SULFUR
 = brimstone
- 1F70E ∇ ALCHEMICAL SYMBOL FOR
 PHILOSOPHERS SULFUR
- 1F70F ∇ ALCHEMICAL SYMBOL FOR BLACK
 SULFUR
 = sulphur nigra, dye
- 1F710 ∇ ALCHEMICAL SYMBOL FOR MERCURY
 SUBLIMATE
 → 263F ∇ mercury
 → 1F75E ∇ alchemical symbol for sublimation
- 1F711 ∇ ALCHEMICAL SYMBOL FOR MERCURY
 SUBLIMATE-2
- 1F712 ∇ ALCHEMICAL SYMBOL FOR MERCURY
 SUBLIMATE-3
- 1F713 ∇ ALCHEMICAL SYMBOL FOR CINNABAR

Symbols for salt, vitriol, and niter

- 1F714 \ominus ALCHEMICAL SYMBOL FOR SALT
 → 25A1 \square white square
 → 2296 \ominus circled minus
- 1F715 \ominus ALCHEMICAL SYMBOL FOR NITER
 → 29B6 \ominus circled vertical bar
- 1F716 \ominus ALCHEMICAL SYMBOL FOR VITRIOL
- 1F717 \ominus ALCHEMICAL SYMBOL FOR VITRIOL-2
- 1F718 \ominus ALCHEMICAL SYMBOL FOR ROCK SALT
 = sal gemmae
- 1F719 \ominus ALCHEMICAL SYMBOL FOR ROCK SALT-2

Symbol for gold

- 1F71A ∇ ALCHEMICAL SYMBOL FOR GOLD
 → 2609 \odot sun

Symbol for silver

- 1F71B ∇ ALCHEMICAL SYMBOL FOR SILVER
 → 263D \smile first quarter moon
 → 263E \frown last quarter moon

Symbols for iron, iron ore and derivatives

- 1F71C ∇ ALCHEMICAL SYMBOL FOR IRON ORE
 → 2642 $\♂$ male sign
- 1F71D ∇ ALCHEMICAL SYMBOL FOR IRON ORE-2
- 1F71E ∇ ALCHEMICAL SYMBOL FOR CROCUS OF
 IRON
 = crocus martis, red or yellow calcined powder
 of iron
- 1F71F ∇ ALCHEMICAL SYMBOL FOR REGULUS OF
 IRON
 = regulus martis, scoria from refining
 stibnite/antimony with iron

Symbols for copper, copper ore and derivatives

- 1F720 ∇ ALCHEMICAL SYMBOL FOR COPPER ORE
 → 2640 ♀ female sign
- 1F721 ∇ ALCHEMICAL SYMBOL FOR IRON-
 COPPER ORE
 → 2640 ♀ female sign
 → 2642 ♂ male sign
 → 26A5 ♂♀ male and female sign
- 1F722 ∇ SUBLIMATE OF COPPER
 → 2640 ♀ female sign
 → 1F739 ∇ alchemical symbol for sal-
 ammoniac
- 1F723 ∇ ALCHEMICAL SYMBOL FOR CROCUS OF
 COPPER
 = crocus veneris, aes ustum
 → 2640 ♀ female sign
- 1F724 ∇ ALCHEMICAL SYMBOL FOR CROCUS OF
 COPPER-2
- 1F725 ∇ ALCHEMICAL SYMBOL FOR COPPER
 ANTIMONIATE
 = crocus of copper, crocus veneris, lapis
 haematites
 → 2640 ♀ female sign
 → 2641 ♂ earth
- 1F726 ∇ ALCHEMICAL SYMBOL FOR SALT OF
 COPPER ANTIMONIATE
 → 2640 ♀ female sign
 → 2641 ♂ earth
 → 1F714 \ominus alchemical symbol for salt
- 1F727 ∇ ALCHEMICAL SYMBOL FOR SUBLIMATE
 OF SALT OF COPPER
 → 2640 ♀ female sign
 → 1F714 \ominus alchemical symbol for salt
 → 1F739 ∇ alchemical symbol for sal-
 ammoniac

1F728 ⊕ ALCHEMICAL SYMBOL FOR VERDIGRIS
= aes viride, copper subacetate
= early astronomical symbol for earth
→ 2295 ⊕ circled plus

Symbol for tin and tin ore

1F729 ♃ ALCHEMICAL SYMBOL FOR TIN ORE
→ 2643 ♃ jupiter

Symbol for lead and lead ore

1F72A ♄ ALCHEMICAL SYMBOL FOR LEAD ORE
→ 2644 ♄ saturn

Symbols for antimony, antimony ore and derivatives; regulus

1F72B ♂ ALCHEMICAL SYMBOL FOR ANTIMONY ORE
= stibnite
→ 2641 ♂ earth

1F72C ☿ ALCHEMICAL SYMBOL FOR SUBLIMATE OF ANTIMONY
→ 2641 ♂ earth
→ 1F739 ☿ alchemical symbol for sal-ammoniac

1F72D ♂ ALCHEMICAL SYMBOL FOR SALT OF ANTIMONY
= cinnabar
→ 2641 ♂ earth
→ 1F714 ⊖ alchemical symbol for salt

1F72E ♂ ALCHEMICAL SYMBOL FOR SUBLIMATE OF SALT OF ANTIMONY
→ 2641 ♂ earth
→ 1F714 ⊖ alchemical symbol for salt
→ 1F739 ☿ alchemical symbol for sal-ammoniac

1F72F ♂ ALCHEMICAL SYMBOL FOR VINEGAR OF ANTIMONY
→ 2641 ♂ earth
→ 1F739 ☿ alchemical symbol for sal-ammoniac

1F730 ☿ ALCHEMICAL SYMBOL FOR REGULUS OF ANTIMONY
= antimony metal

1F731 ♂ ALCHEMICAL SYMBOL FOR REGULUS OF ANTIMONY-2
→ 2641 ♂ earth

1F732 ☿ ALCHEMICAL SYMBOL FOR REGULUS

1F733 ☿ ALCHEMICAL SYMBOL FOR REGULUS-2

1F734 ☿ ALCHEMICAL SYMBOL FOR REGULUS-3

1F735 ☿ ALCHEMICAL SYMBOL FOR REGULUS-4

Symbols for other substances

1F736 ♁ ALCHEMICAL SYMBOL FOR ALKALI
= sal alkali

1F737 ♁ ALCHEMICAL SYMBOL FOR ALKALI-2

1F738 ♁ ALCHEMICAL SYMBOL FOR MARCASITE
= iron pyrite, iron sulfide

1F739 ☿ ALCHEMICAL SYMBOL FOR SAL-AMMONIAC
= ammonium chloride
→ 002A * asterisk
→ 26B9 * sextile
→ 2733 * eight spoked asterisk

1F73A ♂ ALCHEMICAL SYMBOL FOR ARSENIC

1F73B ♂ ALCHEMICAL SYMBOL FOR REALGAR
= arsenic sulfide

1F73C ☿ ALCHEMICAL SYMBOL FOR REALGAR-2
= arsenic sulfide

1F73D ☿ ALCHEMICAL SYMBOL FOR AURIPIGMENT
= orpiment
= arsenic trisulfide

1F73E ♃ ALCHEMICAL SYMBOL FOR BISMUTH ORE
= tinglass
→ 2646 ♃ neptune

1F73F ♃ ALCHEMICAL SYMBOL FOR TARTAR
= impure potassium tartrate

1F740 ♃ ALCHEMICAL SYMBOL FOR TARTAR-2
= impure potassium tartrate

1F741 ♃ ALCHEMICAL SYMBOL FOR QUICK LIME
= calx viva
= calcium oxide

1F742 ♃ ALCHEMICAL SYMBOL FOR BORAX

1F743 ♃ ALCHEMICAL SYMBOL FOR BORAX-2

1F744 ♃ ALCHEMICAL SYMBOL FOR BORAX-3

1F745 ♃ ALCHEMICAL SYMBOL FOR ALUM

1F746 ♃ ALCHEMICAL SYMBOL FOR OIL

1F747 ♃ ALCHEMICAL SYMBOL FOR SPIRIT

1F748 ♃ ALCHEMICAL SYMBOL FOR TINCTURE

1F749 ♃ ALCHEMICAL SYMBOL FOR GUM

1F74A ♃ ALCHEMICAL SYMBOL FOR WAX
= cera

1F74B ♃ ALCHEMICAL SYMBOL FOR POWDER
= pulvis

1F74C ♃ ALCHEMICAL SYMBOL FOR CALX
= calcinare
= oxide residue, calcium oxide

1F74D ♃ ALCHEMICAL SYMBOL FOR TUTTY
= tutia, crude zinc oxide sublimate
= aes viride

1F74E ♃ ALCHEMICAL SYMBOL FOR CAPUT MORTUUM
= worthless residue of sublimation or distillation

1F74F ♃ ALCHEMICAL SYMBOL FOR SCEPTER OF JOVE

1F750 ♃ ALCHEMICAL SYMBOL FOR CADUCEUS
→ 2624 ♃ caduceus

1F751 ♃ ALCHEMICAL SYMBOL FOR TRIDENT

1F752 ♃ ALCHEMICAL SYMBOL FOR STARRED TRIDENT

1F753 ♃ ALCHEMICAL SYMBOL FOR LODESTONE
= magnes

1F754 ♃ ALCHEMICAL SYMBOL FOR SOAP
→ 25CA ♃ lozenge





1F755 ♃ ALCHEMICAL SYMBOL FOR URINE
→ 22A1 ♃ squared dot operator

1F756 ♃ ALCHEMICAL SYMBOL FOR HORSE DUNG
= fimus equinus










1F757 ♃ ALCHEMICAL SYMBOL FOR ASHES
= cineres

1F758 ♃ ALCHEMICAL SYMBOL FOR POT ASHES
= cineres clavellati, alumen











1F759 ♃ ALCHEMICAL SYMBOL FOR BRICK

- 1F75A  ALCHEMICAL SYMBOL FOR POWDERED BRICK
= later cibratus, farina laterum
- 1F75B  ALCHEMICAL SYMBOL FOR AMALGAM
- 1F75C  ALCHEMICAL SYMBOL FOR STRATUM SUPER STRATUM
- 1F75D  ALCHEMICAL SYMBOL FOR STRATUM SUPER STRATUM-2







Processes symbols

- 1F75E  ALCHEMICAL SYMBOL FOR SUBLIMATION
→ 260A  ascending node
- 1F75F  ALCHEMICAL SYMBOL FOR PRECIPITATE
- 1F760  ALCHEMICAL SYMBOL FOR DISTILL
= sublimate
- 1F761  ALCHEMICAL SYMBOL FOR DISSOLVE
- 1F762  ALCHEMICAL SYMBOL FOR DISSOLVE-2
= water, aqua
- 1F763  ALCHEMICAL SYMBOL FOR PURIFY
→ 260B  descending node
- 1F764  ALCHEMICAL SYMBOL FOR PUTREFACTION



Apparatus symbols

- 1F765  ALCHEMICAL SYMBOL FOR CRUCIBLE
= tigellum
→ 1F70A  alchemical symbol for vinegar
- 1F766  ALCHEMICAL SYMBOL FOR CRUCIBLE-2
- 1F767  ALCHEMICAL SYMBOL FOR CRUCIBLE-3
- 1F768  ALCHEMICAL SYMBOL FOR CRUCIBLE-4
- 1F769  ALCHEMICAL SYMBOL FOR CRUCIBLE-5
- 1F76A  ALCHEMICAL SYMBOL FOR ALEMBIC
- 1F76B  ALCHEMICAL SYMBOL FOR BATH OF MARY
= balneum mariae
- 1F76C  ALCHEMICAL SYMBOL FOR BATH OF VAPORS
= balneum vaporis
- 1F76D  ALCHEMICAL SYMBOL FOR RETORT

Time

- 1F76E  ALCHEMICAL SYMBOL FOR HOUR
→ 231B  hourglass
- 1F76F  ALCHEMICAL SYMBOL FOR NIGHT
- 1F770  ALCHEMICAL SYMBOL FOR DAY-NIGHT
- 1F771  ALCHEMICAL SYMBOL FOR MONTH
= mensis
→ 22A0  squared times

Measures





















































































































































































































- 1F772  ALCHEMICAL SYMBOL FOR HALF DRAM
= drachma semis
- 1F773  ALCHEMICAL SYMBOL FOR HALF OUNCE
= uncia semis

Zodiacal symbol

- 1F774  OPHIUCHUS

	E020	E021	E022	E023	E024	E025	E026	E027	E028	E029	E02A	E02B	E02C	E02D	E02E
0	AA E0200	AQ E0210	BG E0220	BW E0230	CM E0240	DC E0250	DS E0260	EI E0270	EY E0280	FO E0290	GE E02A0	GU E02B0	HK E02C0	IA E02D0	IQ E02E0
1	AB E0201	AR E0211	BH E0221	BX E0231	CN E0241	DD E0251	DT E0261	EJ E0271	EZ E0281	FP E0291	GF E02A1	GV E02B1	HL E02C1	IB E02D1	IR E02E1
2	AC E0202	AS E0212	BI E0222	BY E0232	CO E0242	DE E0252	DU E0262	EK E0272	FA E0282	FQ E0292	GG E02A2	GW E02B2	HM E02C2	IC E02D2	IS E02E2
3	AD E0203	AT E0213	BJ E0223	BZ E0233	CP E0243	DF E0253	DV E0263	EL E0273	FB E0283	FR E0293	GH E02A3	GX E02B3	HN E02C3	ID E02D3	IT E02E3
4	AE E0204	AU E0214	BK E0224	CA E0234	CQ E0244	DG E0254	DW E0264	EM E0274	FC E0284	FS E0294	GI E02A4	GY E02B4	HO E02C4	IE E02D4	IU E02E4
5	AF E0205	AV E0215	BL E0225	CB E0235	CR E0245	DH E0255	DX E0265	EN E0275	FD E0285	FT E0295	GJ E02A5	GZ E02B5	HP E02C5	IF E02D5	IV E02E5
6	AG E0206	AW E0216	BM E0226	CC E0236	CS E0246	DI E0256	DY E0266	EO E0276	FE E0286	FU E0296	GK E02A6	HA E02B6	HQ E02C6	IG E02D6	IW E02E6
7	AH E0207	AX E0217	BN E0227	CD E0237	CT E0247	DJ E0257	DZ E0267	EP E0277	FF E0287	FV E0297	GL E02A7	HB E02B7	HR E02C7	IH E02D7	IX E02E7
8	AI E0208	AY E0218	BO E0228	CE E0238	CU E0248	DK E0258	EA E0268	EQ E0278	FG E0288	FW E0298	GM E02A8	HC E02B8	HS E02C8	II E02D8	IY E02E8
9	AJ E0209	AZ E0219	BP E0229	CF E0239	CV E0249	DL E0259	EB E0269	ER E0279	FH E0289	FX E0299	GN E02A9	HD E02B9	HT E02C9	IJ E02D9	IZ E02E9
A	AK E020A	BA E021A	BQ E022A	CG E023A	CW E024A	DM E025A	EC E026A	ES E027A	FI E028A	FY E029A	GO E02AA	HE E02BA	HU E02CA	IK E02DA	JA E02EA
B	AL E020B	BB E021B	BR E022B	CH E023B	CX E024B	DN E025B	ED E026B	ET E027B	FJ E028B	FZ E029B	GP E02AB	HF E02BB	HV E02CB	IL E02DB	JB E02EB
C	AM E020C	BC E021C	BS E022C	CI E023C	CY E024C	DO E025C	EE E026C	EU E027C	FK E028C	GA E029C	GQ E02AC	HG E02BC	HW E02CC	IM E02DC	JC E02EC
D	AN E020D	BD E021D	BT E022D	CJ E023D	CZ E024D	DP E025D	EF E026D	EV E027D	FL E028D	GB E029D	GR E02AD	HH E02BD	HX E02CD	IN E02DD	JD E02ED
E	AO E020E	BE E021E	BU E022E	CK E023E	DA E024E	DQ E025E	EG E026E	EW E027E	FM E028E	GC E029E	GS E02AE	HI E02BE	HY E02CE	IO E02DE	JE E02EE
F	AP E020F	BF E021F	BV E022F	CL E023F	DB E024F	DR E025F	EH E026F	EX E027F	FN E028F	GD E029F	GT E02AF	HJ E02BF	HZ E02CF	IP E02DF	JF E02EF

	E02F	E030	E031	E032	E033	E034	E035	E036	E037	E038	E039	E03A	E03B	E03C
0	JG	JW	KM	LC	LS	MI	MY	NO	OE	OU	PK	QA	QQ	RG
	E02F0	E0300	E0310	E0320	E0330	E0340	E0350	E0360	E0370	E0380	E0390	E03A0	E03B0	E03C0
1	JH	JX	KN	LD	LT	MJ	MZ	NP	OF	OV	PL	QB	QR	RH
	E02F1	E0301	E0311	E0321	E0331	E0341	E0351	E0361	E0371	E0381	E0391	E03A1	E03B1	E03C1
2	JI	JY	KO	LE	LU	MK	NA	NQ	OG	OW	PM	QC	QS	RI
	E02F2	E0302	E0312	E0322	E0332	E0342	E0352	E0362	E0372	E0382	E0392	E03A2	E03B2	E03C2
3	JJ	JZ	KP	LF	LV	ML	NB	NR	OH	OX	PN	QD	QT	RJ
	E02F3	E0303	E0313	E0323	E0333	E0343	E0353	E0363	E0373	E0383	E0393	E03A3	E03B3	E03C3
4	JK	KA	KQ	LG	LW	MM	NC	NS	OI	OY	PO	QE	QU	RK
	E02F4	E0304	E0314	E0324	E0334	E0344	E0354	E0364	E0374	E0384	E0394	E03A4	E03B4	E03C4
5	JL	KB	KR	LH	LX	MN	ND	NT	OJ	OZ	PP	QF	QV	RL
	E02F5	E0305	E0315	E0325	E0335	E0345	E0355	E0365	E0375	E0385	E0395	E03A5	E03B5	E03C5
6	JM	KC	KS	LI	LY	MO	NE	NU	OK	PA	PQ	QG	QW	RM
	E02F6	E0306	E0316	E0326	E0336	E0346	E0356	E0366	E0376	E0386	E0396	E03A6	E03B6	E03C6
7	JN	KD	KT	LJ	LZ	MP	NF	NV	OL	PB	PR	QH	QX	RN
	E02F7	E0307	E0317	E0327	E0337	E0347	E0357	E0367	E0377	E0387	E0397	E03A7	E03B7	E03C7
8	JO	KE	KU	LK	MA	MQ	NG	NW	OM	PC	PS	QI	QY	RO
	E02F8	E0308	E0318	E0328	E0338	E0348	E0358	E0368	E0378	E0388	E0398	E03A8	E03B8	E03C8
9	JP	KF	KV	LL	MB	MR	NH	NX	ON	PD	PT	QJ	QZ	RP
	E02F9	E0309	E0319	E0329	E0339	E0349	E0359	E0369	E0379	E0389	E0399	E03A9	E03B9	E03C9
A	JQ	KG	KW	LM	MC	MS	NI	NY	OO	PE	PU	QK	RA	RO
	E02FA	E030A	E031A	E032A	E033A	E034A	E035A	E036A	E037A	E038A	E039A	E03AA	E03BA	E03CA
B	JR	KH	KX	LN	MD	MT	NJ	NZ	OP	PF	PV	QL	RB	RR
	E02FB	E030B	E031B	E032B	E033B	E034B	E035B	E036B	E037B	E038B	E039B	E03AB	E03BB	E03CB
C	JS	KI	KY	LO	ME	MU	NK	OA	OQ	PG	PW	QM	RC	RS
	E02FC	E030C	E031C	E032C	E033C	E034C	E035C	E036C	E037C	E038C	E039C	E03AC	E03BC	E03CC
D	JT	KJ	KZ	LP	MF	MV	NL	OB	OR	PH	PX	QN	RD	RT
	E02FD	E030D	E031D	E032D	E033D	E034D	E035D	E036D	E037D	E038D	E039D	E03AD	E03BD	E03CD
E	JU	KK	LA	LQ	MG	MW	NM	OC	OS	PI	PY	QO	RE	RU
	E02FE	E030E	E031E	E032E	E033E	E034E	E035E	E036E	E037E	E038E	E039E	E03AE	E03BE	E03CE
F	JV	KL	LB	LR	MH	MX	NN	OD	OT	PJ	PZ	QP	RF	RV
	E02FF	E030F	E031F	E032F	E033F	E034F	E035F	E036F	E037F	E038F	E039F	E03AF	E03BF	E03CF

	E03D	E03E	E03F	E040	E041	E042	E043	E044	E045	E046	E047	E048	E049	E04A
0	 RW E03D0	 SM E03E0	 TC E03F0	 TS E0400	 UI E0410	 UY E0420	 VO E0430	 WE E0440	 WU E0450	 XK E0460	 YA E0470	 YQ E0480	 ZG E0490	 ZW E04A0
1	 RX E03D1	 SN E03E1	 TD E03F1	 TT E0401	 UJ E0411	 UZ E0421	 VP E0431	 WF E0441	 WV E0451	 XL E0461	 YB E0471	 YR E0481	 ZH E0491	 ZX E04A1
2	 RY E03D2	 SO E03E2	 TE E03F2	 TU E0402	 UK E0412	 VA E0422	 VQ E0432	 WG E0442	 WW E0452	 XM E0462	 YC E0472	 YS E0482	 ZI E0492	 ZY E04A2
3	 RZ E03D3	 SP E03E3	 TF E03F3	 TV E0403	 UL E0413	 VB E0423	 VR E0433	 WH E0443	 WX E0453	 XN E0463	 YD E0473	 YT E0483	 ZJ E0493	 ZZ E04A3
4	 SA E03D4	 SQ E03E4	 TG E03F4	 TW E0404	 UM E0414	 VC E0424	 VS E0434	 WI E0444	 WY E0454	 XO E0464	 YE E0474	 YU E0484	 ZK E0494	
5	 SB E03D5	 SR E03E5	 TH E03F5	 TX E0405	 UN E0415	 VD E0425	 VT E0435	 WJ E0445	 WZ E0455	 XP E0465	 YF E0475	 YV E0485	 ZL E0495	
6	 SC E03D6	 SS E03E6	 TI E03F6	 TY E0406	 UO E0416	 VE E0426	 VU E0436	 WK E0446	 XA E0456	 XQ E0466	 YG E0476	 YW E0486	 ZM E0496	
7	 SD E03D7	 ST E03E7	 TJ E03F7	 TZ E0407	 UP E0417	 VF E0427	 VV E0437	 WL E0447	 XB E0457	 XR E0467	 YH E0477	 YX E0487	 ZN E0497	
8	 SE E03D8	 SU E03E8	 TK E03F8	 UA E0408	 UQ E0418	 VG E0428	 VW E0438	 WM E0448	 XC E0458	 XS E0468	 YI E0478	 YY E0488	 ZO E0498	
9	 SF E03D9	 SV E03E9	 TL E03F9	 UB E0409	 UR E0419	 VH E0429	 VX E0439	 WN E0449	 XD E0459	 XT E0469	 YJ E0479	 YZ E0489	 ZP E0499	
A	 SG E03DA	 SW E03EA	 TM E03FA	 UC E040A	 US E041A	 VI E042A	 VY E043A	 WO E044A	 XE E045A	 XU E046A	 YK E047A	 ZA E048A	 ZQ E049A	
B	 SH E03DB	 SX E03EB	 TN E03FB	 UD E040B	 UT E041B	 VJ E042B	 VZ E043B	 WP E044B	 XF E045B	 XV E046B	 YL E047B	 ZB E048B	 ZR E049B	
C	 SI E03DC	 SY E03EC	 TO E03FC	 UE E040C	 UU E041C	 VK E042C	 WA E043C	 WQ E044C	 XG E045C	 XW E046C	 YM E047C	 ZC E048C	 ZS E049C	
D	 SJ E03DD	 SZ E03ED	 TP E03FD	 UF E040D	 UV E041D	 VL E042D	 WB E043D	 WR E044D	 XH E045D	 XX E046D	 YN E047D	 ZD E048D	 ZT E049D	
E	 SK E03DE	 TA E03EE	 TQ E03FE	 UG E040E	 UW E041E	 VM E042E	 WC E043E	 WS E044E	 XI E045E	 XY E046E	 YO E047E	 ZE E048E	 ZU E049E	
F	 SL E03DF	 TB E03EF	 TR E03FF	 UH E040F	 UX E041F	 VN E042F	 WD E043F	 WT E044F	 XJ E045F	 XZ E046F	 YP E047F	 ZF E048F	 ZV E049F	

UTC: \$\$\$\$
 WG2: \$\$\$\$
 contact: Michael
 Everson
 document --
 font --
 target --

Symbols for Two-letter Codes

E0200	AA	TWO-LETTER CODE SYMBOL AA	E023A	CG	TWO-LETTER CODE SYMBOL CG
E0201	AB	TWO-LETTER CODE SYMBOL AB	E023B	CH	TWO-LETTER CODE SYMBOL CH
E0202	AC	TWO-LETTER CODE SYMBOL AC	E023C	CI	TWO-LETTER CODE SYMBOL CI
E0203	AD	TWO-LETTER CODE SYMBOL AD	E023D	CJ	TWO-LETTER CODE SYMBOL CJ
E0204	AE	TWO-LETTER CODE SYMBOL AE	E023E	CK	TWO-LETTER CODE SYMBOL CK
E0205	AF	TWO-LETTER CODE SYMBOL AF	E023F	CL	TWO-LETTER CODE SYMBOL CL
E0206	AG	TWO-LETTER CODE SYMBOL AG	E0240	CM	TWO-LETTER CODE SYMBOL CM
E0207	AH	TWO-LETTER CODE SYMBOL AH	E0241	CN	TWO-LETTER CODE SYMBOL CN
E0208	AI	TWO-LETTER CODE SYMBOL AI	E0242	CO	TWO-LETTER CODE SYMBOL CO
E0209	AJ	TWO-LETTER CODE SYMBOL AJ	E0243	CP	TWO-LETTER CODE SYMBOL CP
E020A	AK	TWO-LETTER CODE SYMBOL AK	E0244	CQ	TWO-LETTER CODE SYMBOL CQ
E020B	AL	TWO-LETTER CODE SYMBOL AL	E0245	CR	TWO-LETTER CODE SYMBOL CR
E020C	AM	TWO-LETTER CODE SYMBOL AM	E0246	CS	TWO-LETTER CODE SYMBOL CS
E020D	AN	TWO-LETTER CODE SYMBOL AN	E0247	CT	TWO-LETTER CODE SYMBOL CT
E020E	AO	TWO-LETTER CODE SYMBOL AO	E0248	CU	TWO-LETTER CODE SYMBOL CU
E020F	AP	TWO-LETTER CODE SYMBOL AP	E0249	CV	TWO-LETTER CODE SYMBOL CV
E0210	AQ	TWO-LETTER CODE SYMBOL AQ	E024A	CW	TWO-LETTER CODE SYMBOL CW
E0211	AR	TWO-LETTER CODE SYMBOL AR	E024B	CX	TWO-LETTER CODE SYMBOL CX
E0212	AS	TWO-LETTER CODE SYMBOL AS	E024C	CY	TWO-LETTER CODE SYMBOL CY
E0213	AT	TWO-LETTER CODE SYMBOL AT	E024D	CZ	TWO-LETTER CODE SYMBOL CZ
E0214	AU	TWO-LETTER CODE SYMBOL AU	E024E	DA	TWO-LETTER CODE SYMBOL DA
E0215	AV	TWO-LETTER CODE SYMBOL AV	E024F	DB	TWO-LETTER CODE SYMBOL DB
E0216	AW	TWO-LETTER CODE SYMBOL AW	E0250	DC	TWO-LETTER CODE SYMBOL DC
E0217	AX	TWO-LETTER CODE SYMBOL AX	E0251	DD	TWO-LETTER CODE SYMBOL DD
E0218	AY	TWO-LETTER CODE SYMBOL AY	E0252	DE	TWO-LETTER CODE SYMBOL DE
E0219	AZ	TWO-LETTER CODE SYMBOL AZ	E0253	DF	TWO-LETTER CODE SYMBOL DF
E021A	BA	TWO-LETTER CODE SYMBOL BA	E0254	DG	TWO-LETTER CODE SYMBOL DG
E021B	BB	TWO-LETTER CODE SYMBOL BB	E0255	DH	TWO-LETTER CODE SYMBOL DH
E021C	BC	TWO-LETTER CODE SYMBOL BC	E0256	DI	TWO-LETTER CODE SYMBOL DI
E021D	BD	TWO-LETTER CODE SYMBOL BD	E0257	DJ	TWO-LETTER CODE SYMBOL DJ
E021E	BE	TWO-LETTER CODE SYMBOL BE	E0258	DK	TWO-LETTER CODE SYMBOL DK
E021F	BF	TWO-LETTER CODE SYMBOL BF	E0259	DL	TWO-LETTER CODE SYMBOL DL
E0220	BG	TWO-LETTER CODE SYMBOL BG	E025A	DM	TWO-LETTER CODE SYMBOL DM
E0221	BH	TWO-LETTER CODE SYMBOL BH	E025B	DN	TWO-LETTER CODE SYMBOL DN
E0222	BI	TWO-LETTER CODE SYMBOL BI	E025C	DO	TWO-LETTER CODE SYMBOL DO
E0223	BJ	TWO-LETTER CODE SYMBOL BJ	E025D	DP	TWO-LETTER CODE SYMBOL DP
E0224	BK	TWO-LETTER CODE SYMBOL BK	E025E	DQ	TWO-LETTER CODE SYMBOL DQ
E0225	BL	TWO-LETTER CODE SYMBOL BL	E025F	DR	TWO-LETTER CODE SYMBOL DR
E0226	BM	TWO-LETTER CODE SYMBOL BM	E0260	DS	TWO-LETTER CODE SYMBOL DS
E0227	BN	TWO-LETTER CODE SYMBOL BN	E0261	DT	TWO-LETTER CODE SYMBOL DT
E0228	BO	TWO-LETTER CODE SYMBOL BO	E0262	DU	TWO-LETTER CODE SYMBOL DU
E0229	BP	TWO-LETTER CODE SYMBOL BP	E0263	DV	TWO-LETTER CODE SYMBOL DV
E022A	BQ	TWO-LETTER CODE SYMBOL BQ	E0264	DW	TWO-LETTER CODE SYMBOL DW
E022B	BR	TWO-LETTER CODE SYMBOL BR	E0265	DX	TWO-LETTER CODE SYMBOL DX
E022C	BS	TWO-LETTER CODE SYMBOL BS	E0266	DY	TWO-LETTER CODE SYMBOL DY
E022D	BT	TWO-LETTER CODE SYMBOL BT	E0267	DZ	TWO-LETTER CODE SYMBOL DZ
E022E	BU	TWO-LETTER CODE SYMBOL BU	E0268	EA	TWO-LETTER CODE SYMBOL EA
E022F	BV	TWO-LETTER CODE SYMBOL BV	E0269	EB	TWO-LETTER CODE SYMBOL EB
E0230	BW	TWO-LETTER CODE SYMBOL BW	E026A	EC	TWO-LETTER CODE SYMBOL EC
E0231	BX	TWO-LETTER CODE SYMBOL BX	E026B	ED	TWO-LETTER CODE SYMBOL ED
E0232	BY	TWO-LETTER CODE SYMBOL BY	E026C	EE	TWO-LETTER CODE SYMBOL EE
E0233	BZ	TWO-LETTER CODE SYMBOL BZ	E026D	EF	TWO-LETTER CODE SYMBOL EF
E0234	CA	TWO-LETTER CODE SYMBOL CA	E026E	EG	TWO-LETTER CODE SYMBOL EG
E0235	CB	TWO-LETTER CODE SYMBOL CB	E026F	EH	TWO-LETTER CODE SYMBOL EH
E0236	CC	TWO-LETTER CODE SYMBOL CC	E0270	EI	TWO-LETTER CODE SYMBOL EI
E0237	CD	TWO-LETTER CODE SYMBOL CD	E0271	EJ	TWO-LETTER CODE SYMBOL EJ
E0238	CE	TWO-LETTER CODE SYMBOL CE	E0272	EK	TWO-LETTER CODE SYMBOL EK
E0239	CF	TWO-LETTER CODE SYMBOL CF	E0273	EL	TWO-LETTER CODE SYMBOL EL
			E0274	EM	TWO-LETTER CODE SYMBOL EM
			E0275	EN	TWO-LETTER CODE SYMBOL EN

















































































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E0319	KV	TWO-LETTER CODE SYMBOL KV	E0355	ND	TWO-LETTER CODE SYMBOL ND
E031A	KW	TWO-LETTER CODE SYMBOL KW	E0356	NE	TWO-LETTER CODE SYMBOL NE
E031B	KX	TWO-LETTER CODE SYMBOL KX	E0357	NF	TWO-LETTER CODE SYMBOL NF
E031C	KY	TWO-LETTER CODE SYMBOL KY	E0358	NG	TWO-LETTER CODE SYMBOL NG
E031D	KZ	TWO-LETTER CODE SYMBOL KZ	E0359	NH	TWO-LETTER CODE SYMBOL NH
E031E	LA	TWO-LETTER CODE SYMBOL LA	E035A	NI	TWO-LETTER CODE SYMBOL NI
E031F	LB	TWO-LETTER CODE SYMBOL LB	E035B	NJ	TWO-LETTER CODE SYMBOL NJ
E0320	LC	TWO-LETTER CODE SYMBOL LC	E035C	NK	TWO-LETTER CODE SYMBOL NK
E0321	LD	TWO-LETTER CODE SYMBOL LD	E035D	NL	TWO-LETTER CODE SYMBOL NL
E0322	LE	TWO-LETTER CODE SYMBOL LE	E035E	NM	TWO-LETTER CODE SYMBOL NM
E0323	LF	TWO-LETTER CODE SYMBOL LF	E035F	NN	TWO-LETTER CODE SYMBOL NN
E0324	LG	TWO-LETTER CODE SYMBOL LG	E0360	NO	TWO-LETTER CODE SYMBOL NO
E0325	LH	TWO-LETTER CODE SYMBOL LH	E0361	NP	TWO-LETTER CODE SYMBOL NP
E0326	LI	TWO-LETTER CODE SYMBOL LI	E0362	NQ	TWO-LETTER CODE SYMBOL NQ
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E0328	LK	TWO-LETTER CODE SYMBOL LK	E0364	NS	TWO-LETTER CODE SYMBOL NS
E0329	LL	TWO-LETTER CODE SYMBOL LL	E0365	NT	TWO-LETTER CODE SYMBOL NT

E0366		TWO-LETTER CODE SYMBOL NU	E03A2		TWO-LETTER CODE SYMBOL QC
E0367		TWO-LETTER CODE SYMBOL NV	E03A3		TWO-LETTER CODE SYMBOL QD
E0368		TWO-LETTER CODE SYMBOL NW	E03A4		TWO-LETTER CODE SYMBOL QE
E0369		TWO-LETTER CODE SYMBOL NX	E03A5		TWO-LETTER CODE SYMBOL QF
E036A		TWO-LETTER CODE SYMBOL NY	E03A6		TWO-LETTER CODE SYMBOL QG
E036B		TWO-LETTER CODE SYMBOL NZ	E03A7		TWO-LETTER CODE SYMBOL QH
E036C		TWO-LETTER CODE SYMBOL OA	E03A8		TWO-LETTER CODE SYMBOL QI
E036D		TWO-LETTER CODE SYMBOL OB	E03A9		TWO-LETTER CODE SYMBOL QJ
E036E		TWO-LETTER CODE SYMBOL OC	E03AA		TWO-LETTER CODE SYMBOL QK
E036F		TWO-LETTER CODE SYMBOL OD	E03AB		TWO-LETTER CODE SYMBOL QL
E0370		TWO-LETTER CODE SYMBOL OE	E03AC		TWO-LETTER CODE SYMBOL QM
E0371		TWO-LETTER CODE SYMBOL OF	E03AD		TWO-LETTER CODE SYMBOL QN
E0372		TWO-LETTER CODE SYMBOL OG	E03AE		TWO-LETTER CODE SYMBOL QO
E0373		TWO-LETTER CODE SYMBOL OH	E03AF		TWO-LETTER CODE SYMBOL QP
E0374		TWO-LETTER CODE SYMBOL OI	E03B0		TWO-LETTER CODE SYMBOL QQ
E0375		TWO-LETTER CODE SYMBOL OJ	E03B1		TWO-LETTER CODE SYMBOL QR
E0376		TWO-LETTER CODE SYMBOL OK	E03B2		TWO-LETTER CODE SYMBOL QS
E0377		TWO-LETTER CODE SYMBOL OL	E03B3		TWO-LETTER CODE SYMBOL QT
E0378		TWO-LETTER CODE SYMBOL OM	E03B4		TWO-LETTER CODE SYMBOL QU
E0379		TWO-LETTER CODE SYMBOL ON	E03B5		TWO-LETTER CODE SYMBOL QV
E037A		TWO-LETTER CODE SYMBOL OO	E03B6		TWO-LETTER CODE SYMBOL QW
E037B		TWO-LETTER CODE SYMBOL OP	E03B7		TWO-LETTER CODE SYMBOL QX
E037C		TWO-LETTER CODE SYMBOL OQ	E03B8		TWO-LETTER CODE SYMBOL QY
E037D		TWO-LETTER CODE SYMBOL OR	E03B9		TWO-LETTER CODE SYMBOL QZ
E037E		TWO-LETTER CODE SYMBOL OS	E03BA		TWO-LETTER CODE SYMBOL RA
E037F		TWO-LETTER CODE SYMBOL OT	E03BB		TWO-LETTER CODE SYMBOL RB
E0380		TWO-LETTER CODE SYMBOL OU	E03BC		TWO-LETTER CODE SYMBOL RC
E0381		TWO-LETTER CODE SYMBOL OV	E03BD		TWO-LETTER CODE SYMBOL RD
E0382		TWO-LETTER CODE SYMBOL OW	E03BE		TWO-LETTER CODE SYMBOL RE
E0383		TWO-LETTER CODE SYMBOL OX	E03BF		TWO-LETTER CODE SYMBOL RF
E0384		TWO-LETTER CODE SYMBOL OY	E03C0		TWO-LETTER CODE SYMBOL RG
E0385		TWO-LETTER CODE SYMBOL OZ	E03C1		TWO-LETTER CODE SYMBOL RH
E0386		TWO-LETTER CODE SYMBOL PA	E03C2		TWO-LETTER CODE SYMBOL RI
E0387		TWO-LETTER CODE SYMBOL PB	E03C3		TWO-LETTER CODE SYMBOL RJ
E0388		TWO-LETTER CODE SYMBOL PC	E03C4		TWO-LETTER CODE SYMBOL RK
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E038A		TWO-LETTER CODE SYMBOL PE	E03C6		TWO-LETTER CODE SYMBOL RM
E038B		TWO-LETTER CODE SYMBOL PF	E03C7		TWO-LETTER CODE SYMBOL RN
E038C		TWO-LETTER CODE SYMBOL PG	E03C8		TWO-LETTER CODE SYMBOL RO
E038D		TWO-LETTER CODE SYMBOL PH	E03C9		TWO-LETTER CODE SYMBOL RP
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E038F		TWO-LETTER CODE SYMBOL PJ	E03CB		TWO-LETTER CODE SYMBOL RR
E0390		TWO-LETTER CODE SYMBOL PK	E03CC		TWO-LETTER CODE SYMBOL RS
E0391		TWO-LETTER CODE SYMBOL PL	E03CD		TWO-LETTER CODE SYMBOL RT
E0392		TWO-LETTER CODE SYMBOL PM	E03CE		TWO-LETTER CODE SYMBOL RU
E0393		TWO-LETTER CODE SYMBOL PN	E03CF		TWO-LETTER CODE SYMBOL RV
E0394		TWO-LETTER CODE SYMBOL PO	E03D0		TWO-LETTER CODE SYMBOL RW
E0395		TWO-LETTER CODE SYMBOL PP	E03D1		TWO-LETTER CODE SYMBOL RX
E0396		TWO-LETTER CODE SYMBOL PQ	E03D2		TWO-LETTER CODE SYMBOL RY
E0397		TWO-LETTER CODE SYMBOL PR	E03D3		TWO-LETTER CODE SYMBOL RZ
E0398		TWO-LETTER CODE SYMBOL PS	E03D4		TWO-LETTER CODE SYMBOL SA
E0399		TWO-LETTER CODE SYMBOL PT	E03D5		TWO-LETTER CODE SYMBOL SB
E039A		TWO-LETTER CODE SYMBOL PU	E03D6		TWO-LETTER CODE SYMBOL SC
E039B		TWO-LETTER CODE SYMBOL PV	E03D7		TWO-LETTER CODE SYMBOL SD
E039C		TWO-LETTER CODE SYMBOL PW	E03D8		TWO-LETTER CODE SYMBOL SE
E039D		TWO-LETTER CODE SYMBOL PX	E03D9		TWO-LETTER CODE SYMBOL SF
E039E		TWO-LETTER CODE SYMBOL PY	E03DA		TWO-LETTER CODE SYMBOL SG
E039F		TWO-LETTER CODE SYMBOL PZ	E03DB		TWO-LETTER CODE SYMBOL SH
E03A0		TWO-LETTER CODE SYMBOL QA	E03DC		TWO-LETTER CODE SYMBOL SI
E03A1		TWO-LETTER CODE SYMBOL QB	E03DD		TWO-LETTER CODE SYMBOL SJ



























































E03DE	SK	TWO-LETTER CODE SYMBOL SK	E041A	US	TWO-LETTER CODE SYMBOL US
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E03E0	SM	TWO-LETTER CODE SYMBOL SM	E041C	UU	TWO-LETTER CODE SYMBOL UU
E03E1	SN	TWO-LETTER CODE SYMBOL SN	E041D	UV	TWO-LETTER CODE SYMBOL UV
E03E2	SO	TWO-LETTER CODE SYMBOL SO	E041E	UW	TWO-LETTER CODE SYMBOL UW
E03E3	SP	TWO-LETTER CODE SYMBOL SP	E041F	UX	TWO-LETTER CODE SYMBOL UX
E03E4	SQ	TWO-LETTER CODE SYMBOL SQ	E0420	UY	TWO-LETTER CODE SYMBOL UY
E03E5	SR	TWO-LETTER CODE SYMBOL SR	E0421	UZ	TWO-LETTER CODE SYMBOL UZ
E03E6	SS	TWO-LETTER CODE SYMBOL SS	E0422	VA	TWO-LETTER CODE SYMBOL VA
E03E7	ST	TWO-LETTER CODE SYMBOL ST	E0423	VB	TWO-LETTER CODE SYMBOL VB
E03E8	SU	TWO-LETTER CODE SYMBOL SU	E0424	VC	TWO-LETTER CODE SYMBOL VC
E03E9	SV	TWO-LETTER CODE SYMBOL SV	E0425	VD	TWO-LETTER CODE SYMBOL VD
E03EA	SW	TWO-LETTER CODE SYMBOL SW	E0426	VE	TWO-LETTER CODE SYMBOL VE
E03EB	SX	TWO-LETTER CODE SYMBOL SX	E0427	VF	TWO-LETTER CODE SYMBOL VF
E03EC	SY	TWO-LETTER CODE SYMBOL SY	E0428	VG	TWO-LETTER CODE SYMBOL VG
E03ED	SZ	TWO-LETTER CODE SYMBOL SZ	E0429	VH	TWO-LETTER CODE SYMBOL VH
E03EE	TA	TWO-LETTER CODE SYMBOL TA	E042A	VI	TWO-LETTER CODE SYMBOL VI
E03EF	TB	TWO-LETTER CODE SYMBOL TB	E042B	VJ	TWO-LETTER CODE SYMBOL VJ
E03F0	TC	TWO-LETTER CODE SYMBOL TC	E042C	VK	TWO-LETTER CODE SYMBOL VK
E03F1	TD	TWO-LETTER CODE SYMBOL TD	E042D	VL	TWO-LETTER CODE SYMBOL VL
E03F2	TE	TWO-LETTER CODE SYMBOL TE	E042E	VM	TWO-LETTER CODE SYMBOL VM
E03F3	TF	TWO-LETTER CODE SYMBOL TF	E042F	VN	TWO-LETTER CODE SYMBOL VN
E03F4	TG	TWO-LETTER CODE SYMBOL TG	E0430	VO	TWO-LETTER CODE SYMBOL VO
E03F5	TH	TWO-LETTER CODE SYMBOL TH	E0431	VP	TWO-LETTER CODE SYMBOL VP
E03F6	TI	TWO-LETTER CODE SYMBOL TI	E0432	VQ	TWO-LETTER CODE SYMBOL VQ
E03F7	TJ	TWO-LETTER CODE SYMBOL TJ	E0433	VR	TWO-LETTER CODE SYMBOL VR
E03F8	TK	TWO-LETTER CODE SYMBOL TK	E0434	VS	TWO-LETTER CODE SYMBOL VS
E03F9	TL	TWO-LETTER CODE SYMBOL TL	E0435	VT	TWO-LETTER CODE SYMBOL VT
E03FA	TM	TWO-LETTER CODE SYMBOL TM	E0436	VU	TWO-LETTER CODE SYMBOL VU
E03FB	TN	TWO-LETTER CODE SYMBOL TN	E0437	VV	TWO-LETTER CODE SYMBOL VV
E03FC	TO	TWO-LETTER CODE SYMBOL TO	E0438	VW	TWO-LETTER CODE SYMBOL VW
E03FD	TP	TWO-LETTER CODE SYMBOL TP	E0439	VX	TWO-LETTER CODE SYMBOL VX
E03FE	TQ	TWO-LETTER CODE SYMBOL TQ	E043A	VY	TWO-LETTER CODE SYMBOL VY
E03FF	TR	TWO-LETTER CODE SYMBOL TR	E043B	VZ	TWO-LETTER CODE SYMBOL VZ
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E0401	TT	TWO-LETTER CODE SYMBOL TT	E043D	WB	TWO-LETTER CODE SYMBOL WB
E0402	TU	TWO-LETTER CODE SYMBOL TU	E043E	WC	TWO-LETTER CODE SYMBOL WC
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E0405	TX	TWO-LETTER CODE SYMBOL TX	E0441	WF	TWO-LETTER CODE SYMBOL WF
E0406	TY	TWO-LETTER CODE SYMBOL TY	E0442	WG	TWO-LETTER CODE SYMBOL WG
E0407	TZ	TWO-LETTER CODE SYMBOL TZ	E0443	WH	TWO-LETTER CODE SYMBOL WH
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E040A	UC	TWO-LETTER CODE SYMBOL UC	E0446	WK	TWO-LETTER CODE SYMBOL WK
E040B	UD	TWO-LETTER CODE SYMBOL UD	E0447	WL	TWO-LETTER CODE SYMBOL WL
E040C	UE	TWO-LETTER CODE SYMBOL UE	E0448	WM	TWO-LETTER CODE SYMBOL WM
E040D	UF	TWO-LETTER CODE SYMBOL UF	E0449	WN	TWO-LETTER CODE SYMBOL WN
E040E	UG	TWO-LETTER CODE SYMBOL UG	E044A	WO	TWO-LETTER CODE SYMBOL WO
E040F	UH	TWO-LETTER CODE SYMBOL UH	E044B	WP	TWO-LETTER CODE SYMBOL WP
E0410	UI	TWO-LETTER CODE SYMBOL UI	E044C	WQ	TWO-LETTER CODE SYMBOL WQ
E0411	UJ	TWO-LETTER CODE SYMBOL UJ	E044D	WR	TWO-LETTER CODE SYMBOL WR
E0412	UK	TWO-LETTER CODE SYMBOL UK	E044E	WS	TWO-LETTER CODE SYMBOL WS
E0413	UL	TWO-LETTER CODE SYMBOL UL	E044F	WT	TWO-LETTER CODE SYMBOL WT
E0414	UM	TWO-LETTER CODE SYMBOL UM	E0450	WU	TWO-LETTER CODE SYMBOL WU
E0415	UN	TWO-LETTER CODE SYMBOL UN	E0451	WV	TWO-LETTER CODE SYMBOL WV
E0416	UO	TWO-LETTER CODE SYMBOL UO	E0452	WW	TWO-LETTER CODE SYMBOL WW
E0417	UP	TWO-LETTER CODE SYMBOL UP	E0453	WX	TWO-LETTER CODE SYMBOL WX
E0418	UQ	TWO-LETTER CODE SYMBOL UQ	E0454	WY	TWO-LETTER CODE SYMBOL WY
E0419	UR	TWO-LETTER CODE SYMBOL UR	E0455	WZ	TWO-LETTER CODE SYMBOL WZ













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E0458	XC	TWO-LETTER CODE SYMBOL XC	E0494	ZK	TWO-LETTER CODE SYMBOL ZK
E0459	XD	TWO-LETTER CODE SYMBOL XD	E0495	ZL	TWO-LETTER CODE SYMBOL ZL
E045A	XE	TWO-LETTER CODE SYMBOL XE	E0496	ZM	TWO-LETTER CODE SYMBOL ZM
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E045C	XG	TWO-LETTER CODE SYMBOL XG	E0498	ZO	TWO-LETTER CODE SYMBOL ZO
E045D	XH	TWO-LETTER CODE SYMBOL XH	E0499	ZP	TWO-LETTER CODE SYMBOL ZP
E045E	XI	TWO-LETTER CODE SYMBOL XI	E049A	ZQ	TWO-LETTER CODE SYMBOL ZQ
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E0460	XK	TWO-LETTER CODE SYMBOL XK	E049C	ZS	TWO-LETTER CODE SYMBOL ZS
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E0462	XM	TWO-LETTER CODE SYMBOL XM	E049E	ZU	TWO-LETTER CODE SYMBOL ZU
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E046A	XU	TWO-LETTER CODE SYMBOL XU			
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E046C	XW	TWO-LETTER CODE SYMBOL XW			
E046D	XX	TWO-LETTER CODE SYMBOL XX			
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E0481	YR	TWO-LETTER CODE SYMBOL YR			
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E048F	ZF	TWO-LETTER CODE SYMBOL ZF			
E0490	ZG	TWO-LETTER CODE SYMBOL ZG			
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 contact: Markus Scherer
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 font: Apple Emoji
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Emoji compatibility symbols

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 E052D  EMOJI COMPATIBILITY SYMBOL-46
 E052E  EMOJI COMPATIBILITY SYMBOL-47
 E052F  EMOJI COMPATIBILITY SYMBOL-48
 E0530  EMOJI COMPATIBILITY SYMBOL-49
 E0531  EMOJI COMPATIBILITY SYMBOL-50
 E0532  EMOJI COMPATIBILITY SYMBOL-51
 E0533  EMOJI COMPATIBILITY SYMBOL-52
 E0534  EMOJI COMPATIBILITY SYMBOL-53
 E0535  EMOJI COMPATIBILITY SYMBOL-54
 E0536  EMOJI COMPATIBILITY SYMBOL-55
 E0537  EMOJI COMPATIBILITY SYMBOL-56
 E0538  EMOJI COMPATIBILITY SYMBOL-57
 E0539  EMOJI COMPATIBILITY SYMBOL-58

E053A  EMOJI COMPATIBILITY SYMBOL-59
 E053B  EMOJI COMPATIBILITY SYMBOL-60
 E053C  EMOJI COMPATIBILITY SYMBOL-61
 E053D  EMOJI COMPATIBILITY SYMBOL-62
 E053E  EMOJI COMPATIBILITY SYMBOL-63
 E053F  EMOJI COMPATIBILITY SYMBOL-64
 E0540  EMOJI COMPATIBILITY SYMBOL-65
 E0541  EMOJI COMPATIBILITY SYMBOL-66
 E0542  MOUNT FUJI
 E0543  STATUE OF LIBERTY
 E0544  SKETCH OF JAPAN
 E0545  MOYAI

- japanese stone statue like Moai on Easter Island