

## **Braille Patterns**

**Range: 2800–28FF**

This file contains an excerpt from the character code tables and list of character names for  
*The Unicode Standard, Version 8.0*

This file may be changed at any time without notice to reflect errata or other updates to the Unicode Standard.  
*See <http://www.unicode.org/errata/> for an up-to-date list of errata.*

See <http://www.unicode.org/charts/> for access to a complete list of the latest character code charts.  
See <http://www.unicode.org/charts/PDF/Unicode-8.0/> for charts showing only the characters added in Unicode 8.0.  
See <http://www.unicode.org/Public/8.0.0/charts/> for a complete archived file of character code charts for Unicode 8.0.

### **Disclaimer**

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 8.0 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this file, please consult the appropriate sections of The Unicode Standard, Version 8.0, online at <http://www.unicode.org/versions/Unicode8.0.0/>, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, #44, and #45, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

*See <http://www.unicode.org/ucd/> and <http://www.unicode.org/reports/>*

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

### **Fonts**

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts. The particular fonts used in these charts were provided to the Unicode Consortium by a number of different font designers, who own the rights to the fonts.

*See <http://www.unicode.org/charts/fonts.html> for a list.*

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




























































































































































































































*See <http://www.unicode.org/pending/pending.html> and <http://www.unicode.org/alloc/Pipeline.html>.*

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





















































## Braille Patterns

28FF

	280	281	282	283	284	285	286	287	288	289	28A	28B	28C	28D	28E	28F
0	 2800	 2810	 2820	 2830	 2840	 2850	 2860	 2870	 2880	 2890	 28A0	 28B0	 28C0	 28D0	 28E0	 28F0
1	 2801	 2811	 2821	 2831	 2841	 2851	 2861	 2871	 2881	 2891	 28A1	 28B1	 28C1	 28D1	 28E1	 28F1
2	 2802	 2812	 2822	 2832	 2842	 2852	 2862	 2872	 2882	 2892	 28A2	 28B2	 28C2	 28D2	 28E2	 28F2
3	 2803	 2813	 2823	 2833	 2843	 2853	 2863	 2873	 2883	 2893	 28A3	 28B3	 28C3	 28D3	 28E3	 28F3
4	 2804	 2814	 2824	 2834	 2844	 2854	 2864	 2874	 2884	 2894	 28A4	 28B4	 28C4	 28D4	 28E4	 28F4
5	 2805	 2815	 2825	 2835	 2845	 2855	 2865	 2875	 2885	 2895	 28A5	 28B5	 28C5	 28D5	 28E5	 28F5
6	 2806	 2816	 2826	 2836	 2846	 2856	 2866	 2876	 2886	 2896	 28A6	 28B6	 28C6	 28D6	 28E6	 28F6
7	 2807	 2817	 2827	 2837	 2847	 2857	 2867	 2877	 2887	 2897	 28A7	 28B7	 28C7	 28D7	 28E7	 28F7
8	 2808	 2818	 2828	 2838	 2848	 2858	 2868	 2878	 2888	 2898	 28A8	 28B8	 28C8	 28D8	 28E8	 28F8
9	 2809	 2819	 2829	 2839	 2849	 2859	 2869	 2879	 2889	 2899	 28A9	 28B9	 28C9	 28D9	 28E9	 28F9
A	 280A	 281A	 282A	 283A	 284A	 285A	 286A	 287A	 288A	 289A	 28AA	 28BA	 28CA	 28DA	 28EA	 28FA
B	 280B	 281B	 282B	 283B	 284B	 285B	 286B	 287B	 288B	 289B	 28AB	 28BB	 28CB	 28DB	 28EB	 28FB
C	 280C	 281C	 282C	 283C	 284C	 285C	 286C	 287C	 288C	 289C	 28AC	 28BC	 28CC	 28DC	 28EC	 28FC
D	 280D	 281D	 282D	 283D	 284D	 285D	 286D	 287D	 288D	 289D	 28AD	 28BD	 28CD	 28DD		















When braille patterns are punched, the filled circles shown here correspond to punch impression.

### Braille patterns

2800	 BRAILLE PATTERN BLANK • while this character is imaged as a fixed-width blank in many fonts, it does not act as a space	2838	 BRAILLE PATTERN DOTS-456
2801	 BRAILLE PATTERN DOTS-1	2839	 BRAILLE PATTERN DOTS-1456
2802	 BRAILLE PATTERN DOTS-2	283A	 BRAILLE PATTERN DOTS-2456
2803	 BRAILLE PATTERN DOTS-12	283B	 BRAILLE PATTERN DOTS-12456
2804	 BRAILLE PATTERN DOTS-3	283C	 BRAILLE PATTERN DOTS-3456
2805	 BRAILLE PATTERN DOTS-13	283D	 BRAILLE PATTERN DOTS-13456
2806	 BRAILLE PATTERN DOTS-23	283E	 BRAILLE PATTERN DOTS-23456
2807	 BRAILLE PATTERN DOTS-123	283F	 BRAILLE PATTERN DOTS-234567
2808	 BRAILLE PATTERN DOTS-4	2840	 BRAILLE PATTERN DOTS-7
2809	 BRAILLE PATTERN DOTS-14	2841	 BRAILLE PATTERN DOTS-17
280A	 BRAILLE PATTERN DOTS-24	2842	 BRAILLE PATTERN DOTS-27
280B	 BRAILLE PATTERN DOTS-124	2843	 BRAILLE PATTERN DOTS-127
280C	 BRAILLE PATTERN DOTS-34	2844	 BRAILLE PATTERN DOTS-37
280D	 BRAILLE PATTERN DOTS-134	2845	 BRAILLE PATTERN DOTS-137
280E	 BRAILLE PATTERN DOTS-234	2846	 BRAILLE PATTERN DOTS-237
280F	 BRAILLE PATTERN DOTS-1234	2847	 BRAILLE PATTERN DOTS-1237
2810	 BRAILLE PATTERN DOTS-5	2848	 BRAILLE PATTERN DOTS-47
2811	 BRAILLE PATTERN DOTS-15	2849	 BRAILLE PATTERN DOTS-147
2812	 BRAILLE PATTERN DOTS-25	284A	 BRAILLE PATTERN DOTS-247
2813	 BRAILLE PATTERN DOTS-125	284B	 BRAILLE PATTERN DOTS-247
2814	 BRAILLE PATTERN DOTS-35	284C	 BRAILLE PATTERN DOTS-347
2815	 BRAILLE PATTERN DOTS-135	284D	 BRAILLE PATTERN DOTS-1347
2816	 BRAILLE PATTERN DOTS-235	284E	 BRAILLE PATTERN DOTS-2347
2817	 BRAILLE PATTERN DOTS-1235	284F	 BRAILLE PATTERN DOTS-12347
2818	 BRAILLE PATTERN DOTS-45	2850	 BRAILLE PATTERN DOTS-57
2819	 BRAILLE PATTERN DOTS-145	2851	 BRAILLE PATTERN DOTS-157
281A	 BRAILLE PATTERN DOTS-245	2852	 BRAILLE PATTERN DOTS-257
281B	 BRAILLE PATTERN DOTS-1245	2853	 BRAILLE PATTERN DOTS-257
281C	 BRAILLE PATTERN DOTS-345	2854	 BRAILLE PATTERN DOTS-357
281D	 BRAILLE PATTERN DOTS-1345	2855	 BRAILLE PATTERN DOTS-1357
281E	 BRAILLE PATTERN DOTS-2345	2856	 BRAILLE PATTERN DOTS-2357
281F	 BRAILLE PATTERN DOTS-12345	2857	 BRAILLE PATTERN DOTS-2357
2820	 BRAILLE PATTERN DOTS-6	2858	 BRAILLE PATTERN DOTS-457
2821	 BRAILLE PATTERN DOTS-16	2859	 BRAILLE PATTERN DOTS-1457
2822	 BRAILLE PATTERN DOTS-26	285A	 BRAILLE PATTERN DOTS-2457
2823	 BRAILLE PATTERN DOTS-126	285B	 BRAILLE PATTERN DOTS-2457
2824	 BRAILLE PATTERN DOTS-36	285C	 BRAILLE PATTERN DOTS-3457
2825	 BRAILLE PATTERN DOTS-136	285D	 BRAILLE PATTERN DOTS-13457
2826	 BRAILLE PATTERN DOTS-236	285E	 BRAILLE PATTERN DOTS-23457
2827	 BRAILLE PATTERN DOTS-1236	285F	 BRAILLE PATTERN DOTS-123457
2828	 BRAILLE PATTERN DOTS-46	2860	 BRAILLE PATTERN DOTS-67
2829	 BRAILLE PATTERN DOTS-146	2861	 BRAILLE PATTERN DOTS-167
282A	 BRAILLE PATTERN DOTS-246	2862	 BRAILLE PATTERN DOTS-267
282B	 BRAILLE PATTERN DOTS-1246	2863	 BRAILLE PATTERN DOTS-1267
282C	 BRAILLE PATTERN DOTS-346	2864	 BRAILLE PATTERN DOTS-367
282D	 BRAILLE PATTERN DOTS-1346	2865	 BRAILLE PATTERN DOTS-1367
282E	 BRAILLE PATTERN DOTS-2346	2866	 BRAILLE PATTERN DOTS-2367
282F	 BRAILLE PATTERN DOTS-12346	2867	 BRAILLE PATTERN DOTS-2367
2830	 BRAILLE PATTERN DOTS-56	2868	 BRAILLE PATTERN DOTS-12367
2831	 BRAILLE PATTERN DOTS-156	2869	 BRAILLE PATTERN DOTS-467
2832	 BRAILLE PATTERN DOTS-256	286A	 BRAILLE PATTERN DOTS-1467
2833	 BRAILLE PATTERN DOTS-1256	286B	 BRAILLE PATTERN DOTS-2467
2834	 BRAILLE PATTERN DOTS-356	286C	 BRAILLE PATTERN DOTS-3467
2835	 BRAILLE PATTERN DOTS-1356	286D	 BRAILLE PATTERN DOTS-13467
2836	 BRAILLE PATTERN DOTS-2356	286E	 BRAILLE PATTERN DOTS-23467
2837	 BRAILLE PATTERN DOTS-12356	286F	 BRAILLE PATTERN DOTS-123467
		2870	 BRAILLE PATTERN DOTS-567
		2871	 BRAILLE PATTERN DOTS-1567
		2872	 BRAILLE PATTERN DOTS-2567
		2873	 BRAILLE PATTERN DOTS-12567
		2874	 BRAILLE PATTERN DOTS-23567
		2875	BRAILLE PATTERN DOTS-13567

2876 BRAILLE PATTERN DOTS-23567  
 2877 BRAILLE PATTERN DOTS-123567  
 2878 BRAILLE PATTERN DOTS-4567  
 2879 BRAILLE PATTERN DOTS-14567  
 287A BRAILLE PATTERN DOTS-24567  
 287B BRAILLE PATTERN DOTS-124567  
 287C BRAILLE PATTERN DOTS-34567  
 287D BRAILLE PATTERN DOTS-134567  
 287E BRAILLE PATTERN DOTS-234567  
 287F BRAILLE PATTERN DOTS-1234567  
 2880 BRAILLE PATTERN DOTS-8  
 2881 BRAILLE PATTERN DOTS-18  
 2882 BRAILLE PATTERN DOTS-28  
 2883 BRAILLE PATTERN DOTS-128  
 2884 BRAILLE PATTERN DOTS-38  
 2885 BRAILLE PATTERN DOTS-138  
 2886 BRAILLE PATTERN DOTS-238  
 2887 BRAILLE PATTERN DOTS-1238  
 2888 BRAILLE PATTERN DOTS-48  
 2889 BRAILLE PATTERN DOTS-148  
 288A BRAILLE PATTERN DOTS-248  
 288B BRAILLE PATTERN DOTS-1248  
 288C BRAILLE PATTERN DOTS-348  
 288D BRAILLE PATTERN DOTS-1348  
 288E BRAILLE PATTERN DOTS-2348  
 288F BRAILLE PATTERN DOTS-12348  
 2890 BRAILLE PATTERN DOTS-58  
 2891 BRAILLE PATTERN DOTS-158  
 2892 BRAILLE PATTERN DOTS-258  
 2893 BRAILLE PATTERN DOTS-1258  
 2894 BRAILLE PATTERN DOTS-358  
 2895 BRAILLE PATTERN DOTS-1358  
 2896 BRAILLE PATTERN DOTS-2358  
 2897 BRAILLE PATTERN DOTS-12358  
 2898 BRAILLE PATTERN DOTS-458  
 2899 BRAILLE PATTERN DOTS-1458  
 289A BRAILLE PATTERN DOTS-2458  
 289B BRAILLE PATTERN DOTS-12458  
 289C BRAILLE PATTERN DOTS-3458  
 289D BRAILLE PATTERN DOTS-13458  
 289E BRAILLE PATTERN DOTS-23458  
 289F BRAILLE PATTERN DOTS-123458  
 28A0 BRAILLE PATTERN DOTS-68  
 28A1 BRAILLE PATTERN DOTS-168  
 28A2 BRAILLE PATTERN DOTS-268  
 28A3 BRAILLE PATTERN DOTS-1268  
 28A4 BRAILLE PATTERN DOTS-368  
 28A5 BRAILLE PATTERN DOTS-1368  
 28A6 BRAILLE PATTERN DOTS-2368  
 28A7 BRAILLE PATTERN DOTS-12368  
 28A8 BRAILLE PATTERN DOTS-468  
 28A9 BRAILLE PATTERN DOTS-1468  
 28AA BRAILLE PATTERN DOTS-2468  
 28AB BRAILLE PATTERN DOTS-12468  
 28AC BRAILLE PATTERN DOTS-3468  
 28AD BRAILLE PATTERN DOTS-13468  
 28AE BRAILLE PATTERN DOTS-23468  
 28AF BRAILLE PATTERN DOTS-123468  
 28B0 BRAILLE PATTERN DOTS-568  
 28B1 BRAILLE PATTERN DOTS-1568  
 28B2 BRAILLE PATTERN DOTS-2568  
 28B3 BRAILLE PATTERN DOTS-12568

28B4 BRAILLE PATTERN DOTS-3568  
 28B5 BRAILLE PATTERN DOTS-13568  
 28B6 BRAILLE PATTERN DOTS-23568  
 28B7 BRAILLE PATTERN DOTS-123568  
 28B8 BRAILLE PATTERN DOTS-4568  
 28B9 BRAILLE PATTERN DOTS-14568  
 28BA BRAILLE PATTERN DOTS-24568  
 28BB BRAILLE PATTERN DOTS-124568  
 28BC BRAILLE PATTERN DOTS-34568  
 28BD BRAILLE PATTERN DOTS-134568  
 28BE BRAILLE PATTERN DOTS-234568  
 28BF BRAILLE PATTERN DOTS-1234568  
 28C0 BRAILLE PATTERN DOTS-78  
 28C1 BRAILLE PATTERN DOTS-178  
 28C2 BRAILLE PATTERN DOTS-278  
 28C3 BRAILLE PATTERN DOTS-1278  
 28C4 BRAILLE PATTERN DOTS-378  
 28C5 BRAILLE PATTERN DOTS-1378  
 28C6 BRAILLE PATTERN DOTS-2378  
 28C7 BRAILLE PATTERN DOTS-12378  
 28C8 BRAILLE PATTERN DOTS-478  
 28C9 BRAILLE PATTERN DOTS-1478  
 28CA BRAILLE PATTERN DOTS-2478  
 28CB BRAILLE PATTERN DOTS-12478  
 28CC BRAILLE PATTERN DOTS-3478  
 28CD BRAILLE PATTERN DOTS-13478  
 28CE BRAILLE PATTERN DOTS-23478  
 28CF BRAILLE PATTERN DOTS-123478  
 28D0 BRAILLE PATTERN DOTS-578  
 28D1 BRAILLE PATTERN DOTS-1578  
 28D2 BRAILLE PATTERN DOTS-2578  
 28D3 BRAILLE PATTERN DOTS-12578  
 28D4 BRAILLE PATTERN DOTS-3578  
 28D5 BRAILLE PATTERN DOTS-13578  
 28D6 BRAILLE PATTERN DOTS-23578  
 28D7 BRAILLE PATTERN DOTS-123578  
 28D8 BRAILLE PATTERN DOTS-4578  
 28D9 BRAILLE PATTERN DOTS-14578  
 28DA BRAILLE PATTERN DOTS-24578  
 28DB BRAILLE PATTERN DOTS-124578  
 28DC BRAILLE PATTERN DOTS-34578  
 28DD BRAILLE PATTERN DOTS-134578  
 28DE BRAILLE PATTERN DOTS-234578  
 28DF BRAILLE PATTERN DOTS-1234578  
 28E0 BRAILLE PATTERN DOTS-678  
 28E1 BRAILLE PATTERN DOTS-1678  
 28E2 BRAILLE PATTERN DOTS-2678  
 28E3 BRAILLE PATTERN DOTS-12678  
 28E4 BRAILLE PATTERN DOTS-3678  
 28E5 BRAILLE PATTERN DOTS-13678  
 28E6 BRAILLE PATTERN DOTS-23678  
 28E7 BRAILLE PATTERN DOTS-123678  
 28E8 BRAILLE PATTERN DOTS-4678  
 28E9 BRAILLE PATTERN DOTS-14678  
 28EA BRAILLE PATTERN DOTS-24678  
 28EB BRAILLE PATTERN DOTS-124678  
 28EC BRAILLE PATTERN DOTS-34678  
 28ED BRAILLE PATTERN DOTS-134678  
 28EE BRAILLE PATTERN DOTS-234678  
 28EF BRAILLE PATTERN DOTS-1234678  
 28F0 BRAILLE PATTERN DOTS-5678  
 28F1 BRAILLE PATTERN DOTS-15678

28F2		BRAILLE PATTERN DOTS-25678
28F3		BRAILLE PATTERN DOTS-125678
28F4		BRAILLE PATTERN DOTS-35678
28F5		BRAILLE PATTERN DOTS-135678
28F6		BRAILLE PATTERN DOTS-235678
28F7		BRAILLE PATTERN DOTS-1235678
28F8		BRAILLE PATTERN DOTS-45678
28F9		BRAILLE PATTERN DOTS-145678
28FA		BRAILLE PATTERN DOTS-245678
28FB		BRAILLE PATTERN DOTS-1245678
28FC		BRAILLE PATTERN DOTS-345678
28FD		BRAILLE PATTERN DOTS-1345678
28FE		BRAILLE PATTERN DOTS-2345678
28FF		BRAILLE PATTERN DOTS-12345678