

# DominoEX Varicode Table

## Standard ASCII

CHAR	ASCII	PRIVAR	SECVAR	CHAR	ASCII	PRIVAR	SECVAR	CHAR	ASCII	PRIVAR	SECVAR	CHAR	ASCII	PRIVAR	SECVAR
NUL	0		1,15,9	SPACE	32	0	3,8,8	@	64	0,9,8	5,9,8	`	96	0,9,11	5,9,11
SOH	Ⓢ 1		1,15,10	!	33	7,11	4,15,11	A	65	3,9	4,11,9	a	97	4	3,8,12
STX	Ⓣ 2		1,15,11	"	34	0,8,14	5,8,14	B	66	4,14	4,12,14	b	98	1,11	4,9,11
ETX	Ⓥ 3		1,15,12	#	35	0,10,11	5,10,11	C	67	3,12	4,11,12	c	99	0,12	4,8,12
EOT	Ⓦ 4		1,15,13	\$	36	0,9,10	5,9,10	D	68	3,14	4,11,14	d	100	0,11	4,8,11
ENQ	Ⓧ 5		1,15,14	%	37	0,9,9	5,9,9	E	69	3,8	4,11,8	e	101	1	3,8,9
ACK	Ⓨ 6		1,15,15	&	38	0,8,15	5,8,15	F	70	4,12	4,12,12	f	102	0,15	4,8,15
BEL	Ⓩ 7		2,8,8	'	39	7,10	4,15,10	G	71	5,8	4,13,8	g	103	1,9	4,9,9
BS	Ⓛ 8		2,12	(	40	0,8,12	5,8,12	H	72	5,10	4,13,10	h	104	0,10	4,8,10
TAB	Ⓧ 9		2,8,9	)	41	0,8,11	5,8,11	I	73	3,10	4,11,10	i	105	5	3,8,13
LF	Ⓨ 10		2,8,10	*	42	0,9,13	5,9,13	J	74	7,8	4,15,8	j	106	2,10	4,10,10
VT	Ⓩ 11		2,8,11	+	43	0,8,8	5,8,8	K	75	6,10	4,14,10	k	107	1,14	4,9,14
FF	Ⓧ 12		2,8,12	,	44	2,11	4,10,11	L	76	4,11	4,12,11	l	108	0,9	4,8,9
CR	Ⓨ 13		2,13	-	45	7,14	4,15,14	M	77	4,8	4,12,8	m	109	0,14	4,8,14
SO	Ⓩ 14		2,8,13	.	46	7,13	4,15,13	N	78	4,13	4,12,13	n	110	6	3,8,14
SI	Ⓧ 15		2,8,14	/	47	0,8,9	5,8,9	O	79	3,11	4,11,11	o	111	3	3,8,11
DLE	▶ 16		2,8,15	0	48	3,15	4,11,15	P	80	4,9	4,12,9	p	112	1,8	4,9,8
DC1	◀ 17		2,9,8	1	49	4,10	4,12,10	Q	81	6,15	4,14,15	q	113	2,8	4,10,8
DC2	↑ 18		2,9,9	2	50	4,15	4,12,15	R	82	3,13	4,11,13	r	114	7	3,8,15
DC3	!! 19		2,9,10	3	51	5,9	4,13,9	S	83	2,15	4,10,15	s	115	0,8	4,8,8
DC4	¶ 20		2,9,11	4	52	6,8	4,15,8	T	84	2,14	4,10,14	t	116	2	3,8,10
NAK	§ 21		2,9,12	5	53	5,12	4,13,12	U	85	5,11	4,13,11	u	117	0,13	4,8,13
SYN	— 22		2,9,13	6	54	5,14	4,13,14	V	86	6,13	4,14,13	v	118	1,13	4,9,13
ETB	↕ 23		2,9,14	7	55	6,12	4,14,12	W	87	5,13	4,13,13	w	119	1,12	4,9,12
CAN	↑ 24		2,9,15	8	56	6,11	4,14,11	X	88	5,15	4,13,15	x	120	1,15	4,9,15
EM	↓ 25		2,10,8	9	57	6,14	4,14,14	Y	89	6,9	4,14,9	y	121	1,10	4,9,10
SUB	→ 26		2,10,9	:	58	0,8,10	5,8,10	Z	90	7,9	4,15,9	z	122	2,9	4,10,9
ESC	← 27		2,10,10	;	59	0,8,13	5,8,13	[	91	0,10,14	5,10,14	{	123	0,10,12	5,10,12
FS	└ 28		2,10,11	<	60	0,8,10	5,8,10	\	92	0,10,9	5,10,9		124	0,9,14	5,9,14
GS	↔ 29		2,10,12	=	61	7,15	4,15,15	]	93	0,10,15	5,10,15	}	125	0,10,13	5,10,13
RS	▲ 30		2,10,13	>	62	0,9,15	5,9,15	^	94	0,10,10	5,10,10	~	126	0,11,8	5,11,8
US	▼ 31		2,10,14	?	63	7,12	4,15,12	_	95	0,9,12	5,9,12	DEL	127	2,10,15	7,10,15

# DominoEX Varicode Table

## Extended ASCII

CHAR	ASCII	PRIVAR	SECVAR	CHAR	ASCII	PRIVAR	SECVAR	CHAR	ASCII	PRIVAR	SECVAR	CHAR	ASCII	PRIVAR	SECVAR
Ç	128	2,11,8	7,11,8	á	160	0,11,9	5,11,9	Ł	192	0,15,9	5,15,9	α	224	1,11,9	6,11,9
Û	129	2,11,9	7,11,9	í	161	0,11,10	5,11,10	ł	193	0,15,10	5,15,10	β	225	1,11,10	6,11,10
é	130	2,11,10	7,11,10	ó	162	0,11,11	5,11,11	Ṭ	194	0,15,11	5,15,11	γ	226	1,11,11	6,11,11
â	131	2,11,11	7,11,11	ú	163	0,11,12	5,11,12	Ṫ	195	0,15,12	5,15,12	π	227	1,11,12	6,11,12
ä	132	2,11,12	7,11,12	ñ	164	0,11,13	5,11,13	Ṛ	196	0,15,13	5,15,13	ø	228	1,11,13	6,11,13
à	133	2,11,13	7,11,13	Ñ	165	0,11,14	5,11,14	Ṙ	197	0,15,14	5,15,14	Õ	229	1,11,14	6,11,14
á	134	2,11,14	7,11,14	ª	166	0,11,15	5,11,15	Ṛ	198	0,15,15	5,15,15	μ	230	1,11,15	6,11,15
ç	135	2,11,15	7,11,15	º	167	0,12,8	5,12,8	À	199	1,8,8	6,8,8	ρ	231	1,12,8	6,12,8
ê	136	2,12,8	7,12,8	¿	168	0,12,9	5,12,9	Ĺ	200	1,8,9	6,8,9	ρ	232	1,12,9	6,12,9
ë	137	2,12,9	7,12,9	®	169	0,12,10	5,12,10	Ṛ	201	1,8,10	6,8,10	Ú	233	1,12,10	6,12,10
è	138	2,12,10	7,12,10	¬	170	0,12,11	5,12,11	Ṛ	202	1,8,11	6,8,11	Û	234	1,12,11	6,12,11
ĩ	139	2,12,11	7,12,11	½	171	0,12,12	5,12,12	Ṛ	203	1,8,12	6,8,12	Ü	235	1,12,12	6,12,12
î	140	2,12,12	7,12,12	¼	172	0,12,13	5,12,13	Ṛ	204	1,8,13	6,8,13	ý	236	1,12,13	6,12,13
ì	141	2,12,13	7,12,13	ı	173	0,12,14	5,12,14	=	205	1,8,14	6,8,14	Ÿ	237	1,12,14	6,12,14
Ä	142	2,12,14	7,12,14	«	174	0,12,15	5,12,15	≠	206	1,8,15	6,8,15	'	238	1,12,15	6,12,15
Å	143	2,12,15	7,12,15	»	175	0,13,8	5,13,8	▯	207	1,9,8	6,9,8	'	239	1,13,8	6,13,8
É	144	2,13,8	7,13,8	█	176	0,13,9	5,13,9	ð	208	1,9,9	6,9,9	-	240	1,13,9	6,13,9
æ	145	2,13,9	7,13,9	█	177	0,13,10	5,13,10	Ð	209	1,9,10	6,9,10	±	241	1,13,10	6,13,10
Æ	146	2,13,10	7,13,10	█	178	0,13,11	5,13,11	È	210	1,9,11	6,9,11	±	242	1,13,11	6,13,11
ô	147	2,13,11	7,13,11	█	179	0,13,12	5,13,12	È	211	1,9,12	6,9,12	¼	243	1,13,12	6,13,12
ö	148	2,13,12	7,13,12	█	180	0,13,13	5,13,13	È	212	1,9,13	6,9,13	¶	244	1,13,13	6,13,13
ò	149	2,13,13	7,13,13	┘	181	0,13,14	5,13,14	È	213	1,9,14	6,9,14	§	245	1,13,14	6,13,14
û	150	2,13,14	7,13,14	À	182	0,13,15	5,13,15	È	214	1,9,15	6,9,15	÷	246	1,13,15	6,13,15
ù	151	2,13,15	7,13,15	Á	183	0,14,8	5,14,8	ı	215	1,10,8	6,10,8	¸	247	1,14,8	6,14,8
ÿ	152	2,14,8	7,14,8	Â	184	0,14,9	5,14,9	ı̇	216	1,10,9	6,10,9	°	248	1,14,9	6,14,9
Ö	153	2,14,9	7,14,9	©	185	0,14,10	5,14,10	ı̈	217	1,10,10	6,10,10	˚	249	1,14,10	6,14,10
Ü	154	2,14,10	7,14,10	Ṛ	186	0,14,11	5,14,11	ı̉	218	1,10,11	6,10,11	•	250	1,14,11	6,14,11
ø	155	2,14,11	7,14,11	Ṛ	187	0,14,12	5,14,12	ı̊	219	1,10,12	6,10,12	¹	251	1,14,12	6,14,12
£	156	2,14,12	7,14,12	Ṛ	188	0,14,13	5,14,13	ı̋	220	1,10,13	6,10,13	º	252	1,14,13	6,14,13
Ø	157	2,14,13	7,14,13	Ṛ	189	0,14,14	5,14,14	ı̌	221	1,10,14	6,10,14	»	253	1,14,14	6,14,14
x	158	2,14,14	7,14,14	¢	190	0,14,15	5,14,15	ı̍	222	1,10,15	6,10,15	▣	254	1,14,15	6,14,15
f	159	2,14,15	7,14,15	¥	191	0,15,8	5,15,8	ı̎	223	1,11,8	6,11,8	BLANK	255	1,15,8	6,15,8

## Notes

1. ASCII means the decimal number 0 – 255 assigned to the code in Extended ASCII representation.
2. PRIVAR means Primary Text (keyboard or file) Varicode alphabet.
3. SECVAR means Secondary Text (ID or beacon) Varicode alphabet.
4. Characters are represented by one, two, or three nibbles each in the Varicode table, with the most commonly used characters having the shortest codes. Varicodes are shown in the form 'n', 'n,n' or 'n,n,n'. The numbers represented by 'n' are the nibbles (values 0 – 15), and are transmitted in the order shown.
5. The first nibble of a character Varicode (the 'Initial' nibble) is ALWAYS <8, i.e. 0 – 7.
6. Following nibbles of a character Varicode, if used ('Continuation' nibbles) are ALWAYS >7, i.e. 8 – 15.
7. It is suggested that in tables maintained within the actual software, all Varicodes be regularized to three nibbles ('n,n,n') , and unwanted trailing nibbles set to 0, which is an invalid value for 2-nibble and 3-nibble codes. For example Varicode '2' becomes '2,0,0' and '3,8' becomes '3,8,0'. This makes tables much easier to handle.
8. Many 3-nibble codes are unassigned. They are not used, but RESERVED for future use. If you feel moved to use one, apply to have it's use made official, and supply a good reason!
9. No idle character is assigned or permitted. When the transmitter is idle, it must send the next pending character from a fixed message using the Secondary Text alphabet. If nothing else is available, transmit repeated Secondary Text SPACE ('3,8,8') or whatever suits.
10. Fonts and code pages vary in their representation, from language to language, especially of Extended ASCII assignments. This table specifies the ASCII to Varicode translation, not the character representation! The characters shown are merely typical.
11. Previous releases of this specification contained minor discrepancies from what was intended. In this corrected version, the changed values are indicated in **RED**. This is Version 2.0, dated 28 July 2009, and replaces all previous versions. All correspondence relating to this specification should be addressed to Murray Greenman [zl1bpu@nzart.org.nz](mailto:zl1bpu@nzart.org.nz) .