

## The ASCII Coded Character Set

Bit Number				Hex	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
3	2	1	0	2nd	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
0	0	0	0	0	NUL	DLE	SP	0	@	P	`	p	
0	0	0	1	1	SOH	DC1	!	1	A	Q	a	q	
0	0	1	0	2	STX	DC2	"	2	B	R	b	r	
0	0	1	1	3	ETX	DC3	#	3	C	S	c	s	
0	1	0	0	4	EOT	DC4	\$	4	D	T	d	t	
0	1	0	1	5	ENQ	NAK	%	5	E	U	e	u	
0	1	1	0	6	ACK	SYN	&	6	F	V	f	v	
0	1	1	1	7	BEL	ETB	'	7	G	W	g	w	
1	0	0	0	8	BS	CAN	(	8	H	X	h	x	
1	0	0	1	9	HT	EM	)	9	I	Y	i	y	
1	0	1	0	A	LF	SUB	*	:	J	Z	j	z	
1	0	1	1	B	VT	ESC	+	;	K	[	k	{	
1	1	0	0	C	FF	FS	,	<	L	\	l		
1	1	0	1	D	CR	GS	-	=	M	]	m	}	
1	1	1	0	E	SO	RS	.	>	N	^	n	~	
1	1	1	1	F	SI	US	/	?	O	—	o	DEL	

ACK	acknowledge	FF	form feed
BEL	bell	FS	file separator
BS	backspace	GS	group separator
CAN	cancel	HT	horizontal tab
CR	carriage return	LF	line feed
DC1	device control 1	NAK	negative acknowledge
DC2	device control 2	NUL	null
DC3	device control 3	RS	record separator
DC4	device control 4	SI	shift in
DEL	(delete)	SO	shift out
DLE	data link escape	SOH	start of heading
ENQ	enquiry	SP	space
EM	end of medium	STX	start of text
EOT	end of transmission	SUB	substitute
ESC	escape	SYN	synchronous idle
ETB	end of block	US	unit separator
ETX	end of text	VT	vertical tab

### Notes

1. "1" = mark, "0" = space.
2. Bit 6 is the most-significant bit (MSB). Bit 0 is the least-significant bit (LSB).