

## Appendix G

Code 128 encodes the full 128 character ASCII character set using three character sets: A, B, and C.

CODE A	CODE B	CODE C	CODE A	CODE B	CODE C
~(SP)	~(SP)	00	T	T	52
!	!	01	U	U	53
"	"	02	V	V	54
#	#	03	W	W	55
\$	\$	04	X	X	56
%	%	05	Y	Y	57
&	&	06	Z	Z	58
'	'	07	[	[	59
(	(	08	\	\	60
)	)	09	]	]	61
*	*	10	^^ (^)	^^ (^)	62
+	+	11	^_ (_)	^_ (_)	63
,	,	12	^0 (NUL)	'_	64
-	-	13	^a (SOH)	a	65
.	.	14	^b (STX)	b	66
/	/	15	^c (ETX)	c	67
0	0	16	^d (EOT)	d	68
1	1	17	^e (ENQ)	e	69
2	2	18	^f (ACK)	f	70
3	3	19	^g (BEL)	g	71
4	4	20	^h (BS)	h	72
5	5	21	^i (HT)	i	73
6	6	22	^j (LF)	j	74
7	7	23	^k (VT)	k	75
8	8	24	^l (FF)	l	76
9	9	25	^m (CR)	m	77
:	:	26	^n (SO)	n	78
;	;	27	^o (SI)	o	79
<	<	28	^p (DLE)	p	80
=	=	29	^q (DC1)	q	81
>	>	30	^r (DC2)	r	82
?	?	31	^s (DC3)	s	83
@	@	32	^t (DC4)	t	84
A	A	33	^u (NAK)	u	85
B	B	34	^v (SYN)	v	86
C	C	35	^w (ETB)	w	87
D	D	36	^x (CAN)	x	88
E	E	37	^y (EM)	y	89
F	F	38	^z (SUB)	z	90
G	G	39	^E (ESC)	{	91
H	H	40	^F (FS)		92
I	I	41	^G (GS)	}	93
J	J	42	^R (RS)	^~(~)	94
K	K	43	^U (US)	^D (DEL)	95
L	L	44	^3 (FNC 3)	^3 (FNC 3)	96
M	M	45	^2 (FNC 2)	^2 (FNC 2)	97
N	N	46	^S (SHIFT)	^S (SHIFT)	98
O	O	47	^C (CODE C)	^C (CODE C)	99
P	P	48	^B (CODE B)	^4 (FNC 4)	^B (CODE B)
Q	Q	49	^4 (FNC 4)	^S (CODE A)	^S (CODE A)
R	R	50	^1 (FNC 1)	^1 (FNC 1)	^1 (FNC 1)
S	S	51			

**Note 1:** The column entries are “user input key codes” in their respective code sets (A, B or C). The corresponding characters coded into the barcode are shown in parentheses, when they differ from the input codes. The caret (^) shown is an ASCII character, not a Ctrl Key.

**Note 2:** Code C is for coding pairs of digits only.

**Note 3:** Controls for Switching Code Sets:

^A — switch to Code A.

^B — switch to Code B.

^C — switch to Code C.

^S — used only in Code A or B. Means switch to the other Code set for the next character, then back to current.