

TANDY CONTROL CODES

Code Dec. Hex	Symbol	DP Mode	WP Mode	BI Mode	Remarks
0 (00) 1 (01)	NUL SOH	Ignored	Ignored	Ignored	
7 (07)	BEL	Sound buzzer	Sound buzzer	Sound buzzer	
8 (08) n	BS n	Dot column backspace n:dot number	Dot column backspace n:dot number	Ignored Receive n as character data	1<n<255 - -
10 (0A) or or 138 (8A)	LF	Execute LF according to latched information	1/16" LF 1/12" in Micro font	7/72" LF Receive 138 as a print data	
12 (0C)	FF	Form Feed	Form Feed	Form Feed	Page length is selectable
13 (0D) or or 141 (8D)	CR	Carriage Return only or plus Line Feed	Carriage Return only or plus Line Feed	Carriage Return only or plus Line Feed	DIP switch selects CR or or CR+LF.
14 (0E)	SO	End Underline	End Underline	Ignored	
15 (0F)	SI	Start	Start	Ignored	
18 (12)	DC2	Select Graphics Mode	Select Graphics Mode	Ignored	
19 (13)	DC3	Ignored	Select DP Mode	Ignored	
20 (14)	DC4	Select WP Mode	Ignored	Ignored	
27 (1B) n	ESC n	Microspacing	Microspacing	Ignored	2nd byte is dot column number. 1<n<9 - -
27 (1B) 10 (0A)	ESC LF	Set 1/6" Reverse LF	Perform 1/6" Reverse LF	Ignored	
27 (1B) 14 (0E)	ESC SO	Start Elongation	Start Elongation	Start Elongation	
27 (1B) 15 (0F)	ESC SI	End Elongation	End Elongation	End Elongation	

27 16 n1 n2	(1B) (10)	ESC POS n1 n2	Positioning	Positioning	Positioning	nln2 indicate position from home position.
27 17	(1B) (11)	ESC DC1	Select NLQ Proportional Character	Select NLQ Proportional Character	Ignored	
27 18	(1B) (12)	ESC DC2	Select NLQ Standard Character	Select NLQ Standard Character	Ignored	10 CPI
27 19	(1B) (13)	ESC DC3	Select Standard Character	Select Standard Character	Ignored	10 CPI
27 20	(1B) (14)	ESC DC4	Select Condensed Character	Select Condensed Character	Ignored	17 CPI
27 21	(1B) (15)	ESC NAK	Set only CR for CR Code	Set only CR for CR Code	Set only CR for CR Code	Reset DIP Switch 1-7.
27 22	(1B) (16)	ESC SYN	Set CR and LF for CR Code	Set CR and LF for CR Code	Set CR and LF for CR Code	Reset DIP Switch 1-7.
27 23	(1B) (17)	ESC ETB	Select Standard Compressed Character	Select Standard Compressed Character	Ignored	12 CPI
27 26	(1B) (1A)	ESC SUB	Perform 1/8 LF	Perform 1/8 LF	Perform 1/8 LF	1/48 Inch
27 28	(1B) (1C)	ESC FS	Set 1/2 LF	Perform 1/2 LF	Ignored	1/12 Inch
27 29	(1B) (1D)	ESC GS	Select NLQ Compressed Character	Select NLQ Compressed Character	Ignored	12 CPI
27 30	(1B) (1E)	ESC RS	Select 1/12" Reverse LF	Perform 1/12" Reverse LF	Ignored	
27 31	(1B) (1F)	ESC US	Select Bold Character	Select Bold Character	Ignored	Invalid in condensed, microfont, and superscript
27 32	(1B) (20)	ESC SP	End Bold Character	End Bold Character	Ignored	
27 33	(1B) (21)	ESC !	Select IBM Mode	Select IBM Mode	Select IBM Mode	

27 50	(1B) (32)	ESC 2	Perform 1/12 LF	Perform 1/12 LF	Perform 1/12 LF	1/72 Inch
27 51	(1B) (33)	ESC 3	Perform 1/36 LF	Perform 1/36 LF	Perform 1/36 LF	1/216 Inch
27 52 n	(1B) (34)	ESC 4 n	Specify Page Length	Specify Page Length	Specify Page Length	nx1/6 Inch
27 54	(1B) (36)	ESC 6	Set 1 LF	Perform 1 LF	Ignored	1/6 Inch
27 56	(1B) (38)	ESC 8	Set 3/4 LF	Perform 3/4 LF	Ignored	1/8 Inch
27 57	(1B) (39)	ESC 9	Perform 1/144" LF	Perform 1/144" LF	Perform 1/144" LF	
27 58	(1B) (3A)	ESC :	Select IBM Character Set 2	Select IBM Character Set 2	Ignored	
27 59	(1B) (3B)	ESC ;	Select Tandy Character Set	Select Tandy Character Set	Ignored	
27 64 n	(1B) (40)	ESC @ n	Set n/144" LF	Perform n/144" LF	Perform n/144" LF	
27 66 n	(1B) (42)	ESC B n	Select Italic Character	Select Italic Character	Ignored	n=1: Start Italic n=0: End Italic
27 72 n	(1B) (48)	ESC H n	Set n/6"Skip Perforation	Set n/6"Skip Perforation	Set n/6"Skip Perforation	n=0: End Skip Perforation
27 77	(1B) (4D)	ESC M	Select Micro Font	Select Micro Font	Ignored	1/2LF(1//12") is set.
27 81 n	(1B) (51)	ESC Q n	Set Left Margin	Set Left Margin	Ignored	Set at position (n x character width).
27 81 n	(1B) (52)	ESC R n	Set Right Margin	Set Right Margin	Ignored	Set at position (n x character width).
27 83 n	(1B) (53)	ESC S n	n=0 Set Superscript n=1 Set Subscript	n=0 Set Superscript n=1 Set Subscript	Ignored	ESC-X ends this selection.
27 85	(1B) (55)	ESC U	n=0 Set Uni- directional n=1 Set bi-	n=0 Set Uni- directional n=1 Set bi-	Ignored	

			directional	directional		
27 88	(1B) (58)	ESC X	End Super- script and Subscript	End Super- script and Subscript	Ignored	
27 89 n	(1B) (59)	ESC Y n	Select Country Character	Select Country Character	Ignored	n=32--42
28 n1 n2	(1C)	FS n1 n2	Repeat Character (Undefined code is ignored.)	Repeat Character (Undefined code is ignored.)	Repeat Print Data	n1: Repeat number n2: Character or print data
30	(1E)	RS	Ignored	Ignored	End Bit Image	
127	(7F)	DEL	Ignored	Ignored	Ignored	
255	(FF)	DEL	Ignored	Ignored	Ignored	
Other undefined codes in func- tion area. 2 to 31 (02 to 1F hex.)			Print X	Print X	Ignored	
Other undefined codes in func- tion area. 128 to 159 (80 to 9F hex.)			Print X	Print X	Printing Data	

IBM CONTROL CODES

Decimal	Hex	Symbol	Function
7 135	(07) (87)	BEL	Sound buzzer for 1 second
27 7	(1B) (07)	ESC BEL	Same as BEL
27 135	(1B) (87)		
8 136	(08) (88)	BS	Move 1 character position to the left
27 8	(1B) (08)	ESC	Same as BS
27	(1B)	BS	

136	(88)		
9	(09)	HT	Move to next horizontal tab position
137	(89)		
27	(1B)	ESC	Same as HT
9	(09)		
27	(1B)	HT	
137	(89)		
10	(0A)	LF	Print and Line Feed according to latched information with or without Carriage Return (DIP switch 103)
138	(8A)		
27	(1B)	ESC	Same as LF
10	(0A)		
27	(1B)	LF	
138	(8A)		
11	(0B)	VT	Same as LF
139	(8B)		
27	(1B)	ESC	Same as LF
11	(0B)		
27	(1B)	VT	
139	(8B)		
12	(0C)	FF	Form Feed after printing
140	(8C)		
27	(1B)	ESC	Same as FF
12	(0C)		
27	(1B)	FF	
140	(8C)		
13	(0D)	CR	Printing and Carriage Return with or without Line Feed (DIP switch 1-2)
141	(8D)		
27	(1B)	ESC	Same as CR
13	(0D)		
27	(1B)	CR	
141	(8D)		
14	(0E)	SO	Printing and Double-Width Mode designation (print command terminates this mode)
142	(8E)		
27	(1B)	ESC	Same as SO
14	(0E)		
27	(1B)	SO	
142	(8E)		
15	(0F)	SI	Printing and Condensed Mode designation

143	(8F)		
27	(1B)	ESC	Same as SI
15	(1B)		
27	(1B)	SI	
143	(8F)		
18	(12)	DC2	Printing and Condensed Mode termination
146	(92)		
27	(1B)	ESC	Same as DC2
18	(12)		
27	(1B)	DC2	
146	(92)		
20	(14)	DC4	Printing and Double-Width Mode termination
148	(94)		
27	(1B)	ESC	Same as DC4
20	(14)		
27	(1B)	DC4	
148	(94)		
27	(1B)	ESC	Select TANDY Mode
33	(21)		
24	(18)	CAN	Clear all print data in the internal buffer
152	(98)		
27	(1B)	ESC	Same as CAN
24	(18)		
27	(1B)	CAN	
152	(98)		
27	(1B)	ESC	n=1 Starts Underline n=0 Ends Underline
45	(2D)		
n	n		
27	(1B)	ESC	Line Feed pitch is set to 1/8 inch
48	(30)		
27	(1B)	ESC	Line Feed pitch is set to 7/72 inch
49	(31)		
27	(1B)	ESC	Perform ESC-A or set Line Feed pitch to 1/6 inch
50	(32)		
27	(1B)	ESC	Set Line Feed pitch to n/216 inch 0<n<255 - -
51	(33)		
n	n		
27	(1B)	ESC	Current position is set as top-of-form
52	(34)		
		4	

27 53 n	(1B) (35) n	ESC 5 n	Print and Carriage Return with or without Line Feed
27 54	(1B) (36)	ESC 6	Select Character Set 2
27 55	(1B) (37)	ESC 7	Select Character Set 1
27 56	(1B) (38)	ESC 8	Ignore paper out
27 57	(1B) (39)	ESC 9	Cancel ESC-8
27 58	(1B) (3A)	ESC :	Select 12 CPI
27 60	(1B) (3C)	ESC <	Move print head to home position
27 65 n	(1B) (41) n	ESC A n	Set Line Feed pitch to n/72 inch when ESC-2 is input. 0<n<85 - -
27 67 n	(1B) (43) n	ESC C n	Specify page length in line units with n ranging from 1 to 127
27 67 0 m	(1B) (43) (00) m	ESC C NULL m	Set page length in inch units with m ranging from 1 to 22
27 68 n1 n2...nk 0	(1B) (44) (00)	ESC D n1n2...nk NULL	Horizontal Tab position setting 1<K<28, 1<n<80 or 137 - - - -
27 69	(1B) (45)	ESC E	Print and set Bold Character Mode
27 70	(1B) (46)	ESC F	End Bold Character Mode
27 71	(1B) (47)	ESC G	Print and set Double-Strike Character Mode
27 72	(1B) (48)	ESC H	End Double-Strike Character Mode
27 73 n	(1B) (49) n	ESC I n	n=1 selects standard font and n=2 or 3 selects NLQ font

27	(1B)	ESC	Set Line Feed pitch to n/216 inch
74	(4A)	J	
n		n	
27	(1B)	ESC	Select 60 DPI (dot/inch) Bit Image
75	(4B)	K	K=n1 (LSB) +256 x n2 (MSG)
n1n2D1...Dk		n1 n2 D1...Dk	
27	(1B)	ESC	Select 120 DPI Bit Image, Half Speed
76	(4C)	L	K=n1 + 256 x n2
n1n2 D1...Dk		n1 n2 D1...Dk	
27	(1B)	ESC	Select 10 CPI character mode
77	(4D)	M	
27	(1B)	ESC	Set skip over perforation in line feed unit
78	(4E)	N	1<n<127
n		n	- -
27	(1B)	ESC	End skip over perforation
79	(4F)	0	
27	(1B)	ESC	Proportional character mode designation
80	(50)	P	n = 1:ON, n = 0:OFF
n		n	
27	(1B)	ESC	Set horizontal tabs at every 8th character column
82	(52)	R	
27	(1B)	ESC	n = 1 selects subscript
83	(53)	S	n = 0 selects superscript
n		n	
27	(1B)	ESC	End Subscript and Superscript
84	(54)	T	
27	(1B)	ESC	n = 1 selects Unidirectional print
85	(55)	U	N = 0 selects Bidirectional print
n		n	
27	(1B)	ESC	n = 1 selects Double-Width Mode
87	(57)	W	n = 0 cancels Double-Width Mode
n		n	
27	(1B)	ESC	Set left and right margins in present character
88	(58)	X	columns. Left margin is specified by m and right
m		m	margin, n. 1 < m < n maximum character column.
n		n	- -
27	(1B)	ESC	Select 120 DPI Bit Image, Normal Speed
89	(59)	Y	K = n1 (LSB) + n2 (MSB) x 256
n1 n2 D1...Dk		n1 n2 D1...Dk	Horizontally aligned dots cannot be printed.
27	(1B)	ESC	Select 240 DPI Bit Image

90	(5A)	Z	$K = n1 \text{ (LSB)} + n2 \text{ (MSB)} \times 256$
n1 n2 D1...Dk		n1 n2 D1...Dk	
27	(1B)	ESC	Perform printing and 1/6 inch Reverse Line Feed
93	(5D)	l	
27	(1B)	ESC	Print characters of codes 3, 4, 5, 6, 19, 20 and 21
94	(5E)	^	specified by n
n		n	
27	(1B)	ESC	Move print position toward right by 1/120 x
100	(64)	d	(Ln+Hnx256) inches. If right margin is exceeded, this
Ln		Ln	command is ignored.
Hn		Hn	
27	(1B)	ESC	Move print position toward left by 1/120 x
101	(65)	e	(Ln+Hnx256) inches. Ignored if exceeds left margin.
Ln		Ln	
Hn		Hn	

(css 07/26/93)

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