

IBM CONTROL CODES

DECIMAL	HEXADECIMAL		FUNCTION
7 or 135	07 or 87	BEL	Sound buzzer for 1 second
27 7 or 27 135	1B 07 or 1B 87	ESC BEL	Same as BEL
8 or 136	08 or 88	BS	Move one character position to the left.
27 8 or 27 136	1B 08 or 1B 88	ESC BS	Same as BS
9 or 137	09 or 89	HT	Move to next horizontal tab position.
27 9 or 27 137	1B 09 or 1B 89	ESC HT	Same as HT
10 or 138	0A or 8A	LF	Print and Line Feed according to latched information with or without Carriage Return (DIP Switch 6)
27 10 or 27 138	1B 0A or 1B 8A	ESC LF	Same as LF
11 or 139	0B or 8B	VT	Move to next vertical tab position.
27 11 or 27 139	1B 0B or 1B 8B	ESC VT	Same as VT
12 or 140	0C or 8C	FF	Form Feed after printing
27 12 or 27 140	1B 0C or 1B 8C	ESC FF	Same as FF
13 or 141	0D or 8D	CR	Printing and Carriage Return with or without Line Feed (DIP Switch 3)
27 13 or 27 141	1B 0D or 1B 8D	ESC CR	Same as CR
14 or 142	0E or 8E	SO	Double-width character mode designation
27 14 or 27 142	1B 0E or 1B 8E	ESC SO	Same as SO
15 or 143	0F or 8F	SI	Printing and condensed character mode designation
27 15 or 27 143	1B 0F or 1B 8F	ESC SI	Same as SI
17 or 145	11 or 91	DC1	Select printer
27 17 or 27 145	1B 11 or 1B 91	ESC DC1	Same as DC1

18 or 146	12 or 92	DC2	Printing and standard 10 CPI character mode designation
27 18 or 27 146	1B 12 or 1B 92	ESC DC2	Same as DC2
20 or 148	14 or 94	DC4	Double-width character mode termination
27 20 or 27 148	1B 14 or 1B 94	ESC DC4	Same as DC4
24 or 152	18 or 98	CAN	Clear all print data in the internal buffer
27 24 or 27 152	1B 18 or 1B 98	ESC CAN	Same as CAN
27 45 n	1B 2D n	ESC - n	n = 1 Starts Underline n = 0 Ends Underline
27 48	1B 30	ESC 0	Line Feed pitch is set to 1/8 inch
27 49	1B 31	ESC 1	Line-feed pitch is set to 7/72 inch
27 50	1B 32	ESC 2	Start line spacing set by ESC A
27 51	1B 33	ESC 3	Set line-feed pitch to n/216 inch (n = 0 - 255, inclusive)
27 52	1B 34	ESC 4	Current position is set as top of form
27 53	1B 35	ESC 5	Set Automatic Line Feed n = 1; CR + LF n = 0; CR only
27 54	1B 36	ESC 6	Select IBM Character Set 2
27 55	1B 37	ESC 7	Select IBM Character Set 1
27 58	1B 3A	ESC :	Printing and select compressed character mode (12 cpi)
27 61 n1 n2 m s a1 a2 d1...dk	1B 3D n1 n2 m s a1 a2 d1...dk	ESC = n1 n2 m s a1 a2 d1...dk	Define downloading characters
27 65 n	1B 41 n	ESC A n	Set line feed pitch to n/72 inch when ESC 2 is input
27 66 n1...nk 0	1B 42 n1...nk 00	ESC B n1...nk NUL	Vertical tab position setting (k = 0-64, inclusive)
27 67 n	1B 43 n	ESC C n	Specify page length in lines

27 68 n1...nk 0	1B 44 n1...nk 00	ESC D n1...nk NUL	Horizontal tab position setting. (k = 0-64, inclusive)
27 69	1B 45	ESC E	Set emphasized printing
27 70	1B 46	ESC F	Cancel emphasized printing
27 71	1B 47	ESC G	Select Double-Strike Character mode
27 72	1B 48	ESC H	End Double-Strike Character mode
27 73 n	1B 49 n	ESC I	Select Print Mode n = 0; Standard n = 1; High-Speed Draft 12cpi n = 2; NLQ n = 3; NLQ n = 4; Standard Download n = 5; High-Speed Draft Download 12cpi n = 6; NLQ Download (Automatically created when when standard download is defined) n = 7; NLQ Download
27 74 n	1B 4A n	ESC J n	Perform n/216 inch Line Feed
27 75 n1, n2, d1,...dk	1B 4B n1, n2, d1,...dk	ESC K n1, n2, d1, ...dk	Select normal-density Bit Image Mode (k = n1(LSB) + 256 * n2(MSB))
27 76 n1, n2, d1,...dk	1B 4C n1, n2, d1,...dk	ESC L n1, n2, d1, ...dk	Select double-density Bit Image Mode (k = n1 + 256 * n2)
27 78 n	1B 4E n	ESC N n	Set skip over perforation in LF unit (n = 1-255, inclusive)
27 79	1B 4F	ESC O	End skip over perforation
27 80 n	1B 50 n	ESC P n	Proportional Character Mode designation (n=1;ON, n=2;OFF)
27 81 3	1B 51 03	ESC Q 3	Deselect Printer
27 82	1B 52	ESC R	Set all tabs to power-on settings
27 83 n	1B 53 n	ESC S n	n=1 selects Subscript Character mode n=0 selects Superscript Character mode
27 84	1B 54	ESC T	End Superscript and Subscript

			Character modes
27 85 n	1B 55 n	ESC U n	n=1 selects Unidirectional Print Mode n=0 selects Bidirectional Print Mode
27 87 n	1B 57 n	ESC W n	n=1 selects Continuous Double-Width Character Mode n=0 cancels Continuous Double-Width Character Mode
27 88 n1 n2	1B 58 n1 n2	ESC X n1 n2	Set left and right column margins in present character columns. Left margin is specified by n and right margin, m. 1 <= n1 <= n2 <= maximum character width
27 89 n1 n2 d1...dk	1B 59 n1 n2 d1...dk	ESC Y n1 n2 d1...dk	Select double-density Bit Image Mode, (High Speed), k=n1(LSB)+256 * n2(MSB). Horizontally aligned dots cannot be printed
27 90 n1 n2 d1...dk	1B 5A n1 n2 d1...dk	ESC Z n1 n2 d1...dk	Select quadruple-density Bit Image Mode. k = n1 + 256 * n2
27 91 64 n1 n2 0 m1 m2	1B 5B 40 n1 n2 00 m1 m2	ESC [@ n1 n2 NUL m1 m2	Double-height Character Mode Designation
27 92 n1 n2	1B 5C n1 n2	ESC \ n1 n2	Print characters from the All Characters Table
27 93	1B 5D	ESC]	Perform reverse line feed
27 94 n	1B 5E n	ESC ^ n	Print a character from the All Characters Table
27 95 n	1B 5F n	ESC _ n	n=1 selects continuous over-scoring n=0 cancels continuous over-scoring

(css 07/26/93)

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