

V.3229/V.3229L Manual

For Sales or Service Contact:

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Appendix F
ASCII and EBCDIC Character Table

ASCII Symbol	Decimal	HEX	EBCDIC	Control Key
(NUL)	0	00	NU (null)	␣
(SOH)	1	01	SH (start of header)	A
(STX)	2	02	SX (start of text)	B
(ETX)	3	03	EX (end of text)	C
(EOT)	4	04	PF	D
(ENO)	5	05	HT (horizontal tab)	E
(ACK)	6	06	LC (lower case)	F
(BEL)	7	07	delete	G
(BS)	8	08	--	H
(HT)	9	09	--	I
(LF)	10	0A	(SMM)	J
(VT)	11	0B	VT (vertical tab)	K
(FF)	12	0C	FF (form feed)	L
(CR)	13	0D	CR (carriage return)	M
(SO)	14	0E	SO (shift out)	N
(SI)	15	0F	SI (shift in)	O
(DLE)	16	10	DL (data link escape)	P
(DC1)	17	11	D1 (device control 1)	Q
(DC2)	18	12	D2 (device control 2)	R
(DC3)	19	13	D3 (device control 3)	S
(DC4)	20	14	RE (restore)	T
(NAK)	21	15	NL (new line)	U
(SYN)	22	16	BS (back space)	V
(ETB)	23	17	IL (flight)	W
(CAN)	24	18	CN (cancel)	X
(EM)	25	19	EM (end of message)	Y
(SUB)	26	1A	CC	Z
(ESC)	27	1B	C1 (CU1)	[
(FS)	28	1C	FS (form separator)	\
(GS)	29	1D	GS (group separator)]
(RS)	30	1E	RS (record separator)	^
(US)	31	1F	US (unit separator)	DEL
(SP)	32	20	DS	_
	33	21	SS (SOS)	--
.	34	22	--	--
#	35	23	--	--

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ASCII and EBCDIC Character Table

ASCII Symbol	Decimal	HEX	EBCDIC
\$	36	24	CP (bypass)
%	37	25	LF (line feed)
&	38	26	EB (end of block)
'	39	27	EC (escape)
(40	28	--
)	41	29	--
*	42	2A	SM
+	43	2B	C2 (CU2)
,	44	2C	--
-	45	2D	EQ (enquiry)
.	46	2E	AK (acknowledgment)
/	47	2F	BL (bell)
0	48	30	--
1	49	31	--
2	50	32	SY (sync)
3	51	33	--
4	52	34	PN
5	53	35	--
6	54	36	UC (uppercase)
7	55	37	ET (end of transmission)
8	56	38	--
9	57	39	--
:	58	3A	--
;	59	3B	C3 (CU3)
<	60	3C	D4 (device control 4)
=	61	3D	NK (no acknowledgment)
>	62	3E	--
?	63	3F	SB (substitute)
@	64	40	space
A	65	41	--
B	66	42	--
C	67	43	--
D	68	44	--
E	69	45	--
F	70	46	--
G	71	47	--
H	72	48	--

ASCII Symbol	Decimal	HEX	EBCDIC
I	73	49	--
J	74	4A	¢ (cent)
K	75	4B	. (period)
L	76	4C	< (less than)
M	77	4D	((open parenthesis)
N	78	4E	+ (plus)
O	79	4F	--
P	80	50	& (ampersand)
Q	81	51	--
R	82	52	--
S	83	53	--
T	84	54	--
U	85	55	(leading pad)
V	86	56	--
W	87	57	--
X	88	58	--
Y	89	59	--
Z	90	5A	! (exclamation)
[91	5B	\$ (dollar sign)
\	92	5C	* (asterisk)
]	93	5D) (close parenthesis)
^	94	5E	: (semicolon)
_	95	5F	^ (caret or ~)
`	96	60	--
a	97	61	/ (ACK1)
b	98	62	--
c	99	63	--
d	100	64	--
e	101	65	--
f	102	66	--
g	103	67	--
h	104	68	--
i	105	69	--
j	106	6A	
k	107	6B	--
l	108	6C	%
m	109	6D	--

ASCII Symbol	Decimal	HEX	EBCDIC
n	110	6E	>
o	111	6F	? 1
p	112	70	ACK0
q	113	71	--
r	114	72	--
s	115	73	--
t	116	74	--
u	117	75	--
v	118	76	--
w	119	77	--
x	120	78	--
y	121	79	' (single quote)
z	122	7A	: (colon)
{	123	7B	# (pound)
	124	7C	@ (at)
}	125	7D	' (apostrophe)
--	126	7E	= (equal)
DEL	127	7F	* (double quote)
--	128	80	--
--	129	81	a
--	130	82	b
--	131	83	c
--	132	84	d
--	133	85	e
--	134	86	f
--	135	87	g
--	136	88	h
--	137	89	i
--	138	8A	--
--	139	8B	--
--	140	8C	≤ (less than or equal)
--	141	8D	(
--	142	8E	+
--	143	8F	--
--	144	90	--
--	145	91	

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ASCII and EBCDIC Character Table

Decimal	HEX	EBCDIC
147	93	l
148	94	m
149	95	n
150	96	o
151	97	p
152	98	q
153	99	r
154	9A	-
155	9B	-
156	9C	x
157	9D)
158	9E	f
159	9F	-
160	A0	-
161	A1	-
162	A2	s
163	A3	†
164	A4	u
165	A5	v
166	A6	w
167	A7	x
168	A8	y
169	A9	z
170	AA	-
171	AB	l
172	AC	f
173	AD	l
174	AE	z (greater than or equal)
175	AF	•
176	B0	S0 (SM0)
177	B1	S1 (SM1)
178	B2	S2 (SM2)
179	B3	S3 (SM3)
180	B4	S4 (SM4)
181	B5	S5 (SM5)
182	B6	S6 (SM6)

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ASCII and EBCDIC Character Table

Decimal	HEX	EBCDIC
183	B7	S7 (SM7)
184	B8	S8 (SM8)
185	B9	S9 (SM9)
186	BA	-
187	BB]]
188	BC]]
189	BD] (close bracket)
190	BE	# (not equal)
191	BF	-
192	C0	{ (open brace)
193	C1	A
194	C2	B
195	C3	C
196	C4	D
197	C5	E
198	C6	F
199	C7	G
200	C8	H
201	C9	I
202	CA	-
203	CB	-
204	CC	(unprintable character)
205	CD	-
206	CE	(unprintable character)
207	CF] (close bracket)
208	D0	J
209	D1	K
210	D2	L
211	D3	M
212	D4	N
213	D5	O
214	D6	P
215	D7	Q
216	D8	R
217	D9	-
218	DA	-

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ASCII and EBCDIC Character Table

Decimal	HEX	EBCDIC
219	DB	--
220	DC	--
221	DD	--
222	DE	--
223	DF	--
224	E0	\ (back slash)
225	E1	--
226	E2	S
227	E3	T
228	E4	U
229	E5	V
230	E6	W
231	E7	X
232	E8	Y
233	E9	Z
234	EA	--
235	EB	--
236	EC	(unprintable character)
237	ED	--
238	EE	--
239	EF	--
240	F0	0
241	F1	1
242	F2	2
243	F3	3
244	F4	4
245	F5	5
246	F6	6
247	F7	7
248	F8	8
249	F9	9
250	FA	
251	FB	--
252	FC	--
253	FD	--
254	FE	--
255	FF	(trailing pad)

Service and Return Procedures

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The following sections apply to U.S. customers only. Non-U.S. customers with questions or concerns regarding return procedures should contact their Motorola Information Systems Group subsidiary or distributor.

Equipment Return Procedures

If you have questions about equipment return procedures, call the Logistics Administration Group at (508) 261-4495 for advice and assistance. If you require either on-site service or unit-exchange service, call the Customer Support Center at (800)-544-0062.

Expiration of Lease

To return equipment upon expiration of a lease agreement, contact your Motorola Information Systems Group Sales Office for return authorization and instructions. A list of these offices follows. When you contact the sales office, you will be asked to provide the following information:

- Product name and description
- Serial number
- Customer order number
- Reason for return

Factory Repair

To return equipment for factory repair, call the Logistics Administration Group at (508) 261-4495, for return authorization and instructions. When you call, you will be given a Return Material Authorization (RMA) control number. Mark this number clearly on the shipping container for ease of identification and faster service. The RMA control number provides a convenient tracking reference for both parties. Please have the following information available for each piece of equipment you return:

- Product name and description
- Serial number
- Failure symptoms

Packaging Guidelines for Equipment Return

Data communications equipment or parts that are to be returned to Motorola Information Systems Group for any reason must be properly packaged to prevent damage in shipment and handling.

If the original packing material and shipping container are available, reuse these items to return equipment. If these items are not available, it is your responsibility to package the contents in a manner that protects the equipment from damage during normal shipping and handling. Responsibility for damage to equipment during transit must be resolved between you and the carrier. The Logistics Administration group can provide you with specific packaging instructions upon request.

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