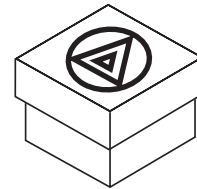
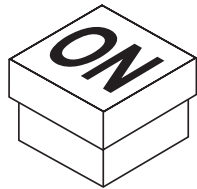


MB2400 Series Legend Packet



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The primary purpose of this Legend Packet is to let our customers know that NKK Switches provides full support regarding your legending requirements. The packet is designed to provide information to make your legending choices easy and concise, and to let you know that our availability can range from answering a few questions to guiding you through the entire process. Feel free to acquaint yourself with the following pages specific to your applications, then contact us and let us know how we may be of further assistance. We look forward to serving all your legending needs.



7850 East Gelding Drive • Scottsdale, Arizona 85260
Phone: (480) 991-0942 • Fax: (480) 998-1435 • www.nkkswitches.com

MB2400 Series Legend Instructions

1 Customer Information Today's Date _____

Company Name _____ Phone (____) _____

Address _____ Fax (____) _____

City _____ State _____ Zip Code _____

Contact Person _____ Email _____

Important! Please complete one Request Form for each legend requested.

2 Switch

Switch Part Number: _____ Quantity Requested: _____

Cap Part Number: _____

Refer to Cap Types, Legend Packet page MB3, if you need assistance.




3 Font Style and Size

Helvetica Light Helvetica Regular **Helvetica Bold** **Helvetica Black** Other Font Style (contact factory)

Font Size: _____ point

Refer to Legend Packet pages MB5 - MB9 to determine your font style and point size.

4 Characters

1 line	2 lines	3 lines
 Your Legend Text Here	 Your Legend Text Here	 Your Legend Text Here
Sample	Sample	Sample

Minimum distance between characters is critical to legibility and cannot be less than .015".

Refer to Legend Packet page MB3 to determine your maximum printable area.

Legend Packet pages MB5 - MB9 provide character widths and heights.

Note: All legends will be centered unless otherwise indicated.

5 Please make your selections below by checking one box in each row.

Legend Color Black White Other (contact factory) _____

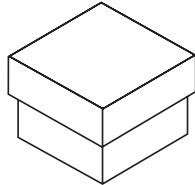
Printing Method Screen Print Pad Print Other (contact factory) _____

Legend Orientation* Circuit Mark Left Circuit Mark Top Circuit Mark Right Circuit Mark Bottom

**See Legend Packet page MB4 for legend orientation specifications.*

.453" Square Cap

AT465



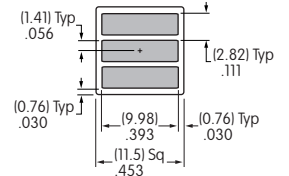
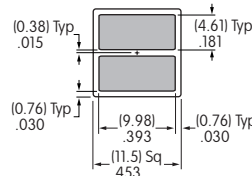
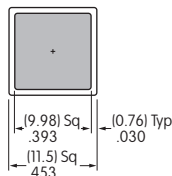
Legend on Cap Face

Maximum Printable Areas

Note: All gray areas represent printable surfaces.

AT465

1 line max. height .393"
 2 lines max. height .181"
 3 lines max. height .111"
 Max. width .393"



Orientation of Legends on AT465 Cap with Snap-in Frame

	Without Bezel No Code	AT207 Bezel Bezel Code 1	AT208 Bezel Bezel Code 2	AT212 Bezel Bezel Code 3	AT213 Bezel Bezel Code 4
1 Circuit Mark Left Side					
2 Circuit Mark Top					
3 Circuit Mark Right Side					
4 Circuit Mark Bottom					

MB2400 Series Legend Instructions

The following tables display Helvetica font styles in graduated point sizes. These tables can give you an idea at a glance which size might be most compatible for your legend. For more detailed information on each font style and individual character widths, see pages MB6 - MB9.

Helvetica Light

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.063	.075	.084"	.092"	.100"	.111"	.120"	.141"	.161"	.189"	.211"	.231"

See page MB6 for the Helvetica Light Font Style table.

Helvetica Regular

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.064"	.077"	.086"	.096"	.107"	.118"	.129"	.149"	.171"	.189"	.214"	.250"

See page MB7 for the Helvetica Regular Font Style table.

Helvetica Bold

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.086"	.096"	.107"	.117"	.128"	.149"	.170"	.191"	.203"	.234"

See page MB8 for the Helvetica Bold Font Style table.

Helvetica Black

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.084"	.095"	.106"	.116"	.126"	.149"	.169"	.189"	.211"	.229"

See page MB9 for the Helvetica Black Font Style table.

Note: Minimum distance between characters on any font style is critical to legibility and cannot be less than .015". Remember to include this dimension *between each* character width when calculating overall legend length.

MB2400 Series Legend Instructions

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.063	.075	.084"	.092"	.100"	.111"	.120"	.141"	.161"	.189"	.211"	.231"

Character	Character Widths in Inches											
A	.054	.062	.071	.081	.089	.098	.107	.124	.142	.160	.178	.195
B	.044	.053	.053	.068	.075	.083	.089	.104	.117	.134	.148	.163
C	.051	.062	.070	.079	.088	.088	.104	.122	.139	.156	.174	.191
D	.050	.058	.069	.074	.083	.091	.098	.116	.131	.148	.163	.181
E	.042	.049	.055	.063	.069	.076	.076	.096	.109	.123	.137	.150
F	.038	.045	.053	.059	.064	.072	.072	.091	.102	.117	.130	.142
G	.055	.063	.072	.072	.092	.099	.109	.126	.143	.162	.180	.197
H	.048	.056	.063	.072	.079	.087	.095	.110	.125	.142	.158	.174
I	.006	.008	.009	.010	.010	.011	.012	.014	.015	.018	.020	.022
J	.033	.040	.044	.050	.056	.061	.061	.077	.088	.100	.110	.122
K	.048	.056	.063	.071	.079	.088	.088	.110	.127	.145	.159	.173
L	.037	.045	.050	.057	.064	.070	.076	.089	.102	.115	.127	.140
M	.058	.065	.077	.086	.096	.104	.114	.132	.151	.171	.189	.206
N	.049	.056	.063	.073	.079	.087	.095	.110	.126	.142	.158	.174
O	.057	.065	.076	.084	.095	.103	.113	.131	.149	.169	.188	.205
P	.043	.050	.056	.064	.070	.076	.084	.097	.112	.126	.139	.152
Q	.057	.066	.076	.085	.094	.105	.113	.131	.149	.168	.186	.206
R	.047	.052	.061	.069	.075	.083	.090	.104	.118	.134	.151	.163
S	.045	.052	.059	.069	.074	.083	.087	.102	.117	.134	.147	.161
T	.045	.051	.059	.069	.073	.082	.088	.102	.116	.133	.146	.161
U	.048	.056	.063	.069	.078	.086	.094	.109	.125	.142	.155	.170
V	.049	.055	.064	.073	.079	.089	.096	.113	.129	.146	.162	.177
W	.073	.084	.096	.109	.121	.133	.145	.168	.192	.216	.241	.264
X	.048	.056	.064	.073	.082	.089	.097	.113	.129	.147	.162	.177
Y	.050	.058	.066	.074	.083	.090	.097	.115	.131	.147	.163	.181
Z	.047	.053	.062	.070	.077	.077	.092	.108	.122	.138	.153	.168
1	.022	.023	.028	.031	.036	.038	.042	.049	.055	.062	.069	.078
2	.041	.047	.053	.059	.065	.072	.078	.093	.105	.117	.131	.145
3	.041	.048	.054	.060	.067	.067	.080	.094	.107	.120	.133	.147
4	.041	.048	.054	.060	.068	.068	.082	.095	.108	.122	.134	.149
5	.040	.046	.053	.059	.067	.073	.079	.092	.105	.118	.131	.145
6	.040	.046	.054	.060	.066	.073	.081	.093	.104	.119	.132	.146
7	.038	.044	.051	.057	.063	.069	.075	.089	.101	.113	.125	.138
8	.040	.046	.052	.060	.060	.072	.078	.092	.106	.117	.131	.144
9	.040	.047	.054	.060	.066	.073	.080	.093	.106	.119	.133	.146
0	.040	.048	.054	.060	.067	.074	.080	.093	.107	.120	.133	.147
.	.005	.007	.008	.010	.010	.013	.013	.014	.017	.019	.019	.023
,	.007	.008	.009	.010	.010	.012	.014	.016	.017	.019	.021	.023
+	.042	.050	.056	.064	.069	.077	.085	.097	.110	.125	.139	.153
-	.021	.025	.029	.032	.036	.039	.043	.051	.056	.064	.071	.078
/	.023	.029	.033	.037	.042	.046	.050	.057	.065	.074	.081	.089

Note: Minimum distance between characters is critical to legibility and cannot be less than .015".

MB2400 Series Legend Instructions

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.064"	.077"	.086"	.096"	.107"	.118"	.129"	.149"	.171"	.189"	.214"	.250"
Character	Character Widths in Inches											
A	.054	.063	.072	.081	.089	.097	.108	.126	.142	.159	.178	.196
B	.045	.054	.061	.069	.076	.084	.091	.105	.122	.139	.151	.167
C	.053	.062	.069	.079	.088	.096	.105	.122	.139	.159	.176	.194
D	.048	.056	.065	.073	.082	.090	.097	.112	.129	.145	.161	.178
E	.044	.052	.059	.066	.074	.081	.086	.103	.116	.132	.145	.160
F	.042	.056	.056	.063	.069	.076	.082	.095	.102	.123	.136	.149
G	.056	.064	.075	.085	.094	.103	.111	.130	.147	.167	.185	.204
H	.048	.056	.063	.071	.079	.087	.094	.109	.125	.140	.157	.173
I	.009	.010	.011	.010	.014	.013	.016	.019	.020	.024	.028	.029
J	.035	.041	.047	.051	.057	.064	.070	.081	.090	.102	.115	.127
K	.049	.057	.064	.073	.081	.088	.097	.111	.127	.144	.162	.178
L	.039	.043	.051	.057	.063	.069	.076	.088	.102	.113	.127	.139
M	.059	.067	.077	.086	.096	.107	.116	.134	.155	.173	.191	.211
N	.049	.058	.064	.072	.079	.087	.096	.111	.129	.141	.160	.175
O	.059	.069	.079	.089	.097	.109	.117	.138	.156	.177	.198	.215
P	.044	.052	.058	.066	.074	.082	.089	.103	.115	.133	.148	.161
Q	.058	.069	.079	.089	.099	.108	.117	.139	.157	.177	.198	.216
R	.050	.058	.067	.075	.082	.090	.098	.113	.130	.147	.164	.181
S	.048	.056	.064	.072	.080	.088	.096	.111	.126	.142	.161	.161
T	.049	.056	.063	.071	.080	.089	.097	.111	.127	.142	.161	.176
U	.048	.056	.063	.071	.078	.087	.094	.110	.126	.139	.158	.173
V	.052	.060	.071	.077	.086	.097	.103	.120	.138	.154	.173	.189
W	.076	.089	.101	.114	.128	.138	.153	.178	.204	.227	.251	.280
X	.053	.062	.071	.080	.088	.098	.106	.122	.140	.156	.174	.193
Y	.054	.064	.073	.083	.090	.100	.109	.126	.146	.162	.181	.200
Z	.047	.054	.063	.070	.078	.086	.094	.108	.124	.139	.155	.172
1	.021	.023	.029	.031	.035	.038	.041	.046	.056	.063	.068	.076
2	.041	.047	.055	.061	.066	.074	.078	.093	.107	.119	.134	.146
3	.041	.046	.054	.060	.067	.072	.080	.094	.107	.119	.133	.146
4	.042	.048	.056	.062	.069	.076	.082	.096	.111	.122	.138	.151
5	.041	.048	.054	.061	.067	.074	.080	.093	.107	.120	.134	.148
6	.040	.046	.054	.060	.066	.072	.080	.092	.107	.119	.131	.145
7	.041	.047	.053	.060	.069	.072	.080	.093	.105	.118	.133	.145
8	.040	.046	.053	.060	.066	.073	.079	.092	.107	.119	.133	.147
9	.040	.046	.053	.059	.065	.072	.080	.092	.105	.119	.132	.145
0	.040	.045	.052	.059	.065	.071	.077	.090	.102	.116	.129	.141
.	.009	.011	.012	.014	.015	.016	.017	.020	.023	.027	.029	.031
,	.008	.011	.012	.014	.017	.017	.018	.020	.024	.026	.030	.023
+	.041	.048	.054	.061	.068	.074	.081	.095	.110	.122	.134	.149
-	.020	.023	.026	.030	.034	.037	.041	.048	.054	.061	.066	.074
/	.025	.029	.033	.039	.041	.045	.050	.056	.065	.074	.081	.089

Note: Minimum distance between characters is critical to legibility and cannot be less than .015".

MB2400 Series Legend Instructions

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.086"	.096"	.107"	.117"	.128"	.149"	.170"	.191"	.203"	.234"
Character	Character Widths in Inches											
A	n/a	n/a	.076	.085	.095	.105	.113	.132	.150	.170	.189	.208
B			.065	.073	.082	.089	.097	.114	.129	.146	.163	.179
C			.073	.081	.089	.098	.107	.125	.144	.162	.179	.196
D			.068	.076	.085	.093	.102	.119	.135	.151	.168	.186
E			.062	.069	.076	.084	.092	.107	.122	.137	.152	.168
F			.057	.065	.072	.079	.086	.101	.115	.129	.143	.157
G			.075	.084	.094	.103	.112	.130	.149	.168	.186	.205
H			.065	.075	.083	.090	.099	.116	.131	.148	.164	.181
I			.017	.019	.022	.023	.026	.030	.034	.038	.043	.047
J	n/a	n/a	.052	.059	.065	.071	.077	.091	.103	.116	.129	.142
K			.073	.082	.090	.099	.109	.126	.143	.162	.180	.198
L			.056	.063	.070	.076	.084	.098	.111	.126	.140	.154
M			.080	.089	.100	.109	.120	.140	.159	.179	.199	.219
N			.067	.075	.083	.091	.100	.116	.132	.148	.166	.182
O			.079	.088	.097	.107	.118	.137	.156	.176	.195	.215
P			.063	.070	.078	.086	.095	.109	.124	.140	.155	.171
Q			.077	.088	.098	.108	.118	.137	.157	.175	.195	.216
R			.067	.076	.083	.092	.100	.116	.133	.149	.167	.184
S	n/a	n/a	.068	.076	.084	.092	.102	.118	.135	.151	.168	.185
T			.065	.074	.082	.089	.098	.115	.131	.147	.163	.180
U			.065	.073	.082	.089	.098	.114	.129	.145	.162	.177
V			.069	.078	.087	.096	.104	.122	.140	.157	.175	.191
W			.102	.116	.129	.142	.155	.180	.206	.230	.256	.281
X			.070	.081	.089	.098	.106	.122	.140	.159	.176	.193
Y			.069	.078	.087	.096	.105	.122	.139	.156	.175	.191
Z			.062	.069	.077	.084	.092	.108	.122	.138	.153	.168
1			.035	.039	.043	.049	.053	.060	.069	.078	.086	.096
2			.054	.061	.067	.074	.082	.094	.107	.122	.135	.148
3			.055	.062	.069	.076	.082	.095	.109	.122	.136	.149
4			.056	.063	.069	.077	.083	.098	.112	.125	.140	.153
5	n/a	n/a	.056	.062	.069	.076	.083	.096	.109	.122	.136	.151
6			.055	.063	.069	.076	.082	.096	.109	.122	.138	.149
7			.056	.063	.070	.077	.084	.098	.112	.119	.140	.154
8			.056	.063	.069	.078	.085	.099	.112	.127	.140	.154
9			.055	.061	.069	.076	.083	.096	.109	.122	.135	.149
0			.055	.062	.069	.076	.081	.096	.109	.122	.137	.150
.			.017	.019	.021	.023	.026	.030	.033	.038	.043	.047
,			.017	.020	.022	.023	.026	.030	.034	.038	.043	.047
+			.054	.061	.068	.075	.081	.096	.108	.122	.135	.148
-			.031	.034	.038	.042	.046	.054	.061	.069	.078	.084
/	n/a	n/a	.030	.035	.038	.043	.046	.054	.062	.069	.076	.084

Note: Minimum distance between characters is critical to legibility and cannot be less than .015".

MB2400 Series Legend Instructions

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.084"	.095"	.106"	.116"	.126"	.149"	.169"	.189"	.211"	.229"
Character	Character Widths in Inches											
A	n/a	n/a	.085	.096	.106	.116	.127	.148	.170	.186	.211	.233
B			.075	.084	.093	.102	.111	.129	.147	.167	.184	.203
C			.082	.091	.102	.112	.122	.142	.162	.182	.203	.222
D			.078	.088	.097	.107	.115	.136	.155	.174	.193	.214
E			.068	.076	.084	.093	.101	.117	.134	.151	.168	.184
F			.063	.071	.079	.087	.094	.110	.125	.141	.157	.173
G			.082	.092	.102	.112	.122	.141	.162	.183	.203	.223
H			.078	.088	.097	.108	.117	.136	.155	.175	.194	.212
I			.027	.030	.034	.037	.040	.047	.053	.060	.067	.072
J	n/a	n/a	.065	.072	.081	.088	.096	.112	.127	.142	.159	.175
K			.084	.095	.104	.116	.125	.147	.167	.188	.210	.230
L			.063	.071	.079	.087	.094	.110	.125	.141	.157	.171
M			.092	.103	.115	.126	.139	.161	.184	.208	.230	.251
N			.078	.087	.097	.108	.116	.136	.155	.175	.194	.214
O			.085	.095	.106	.116	.126	.148	.168	.190	.211	.231
P			.074	.083	.092	.101	.109	.128	.146	.165	.183	.200
Q			.085	.095	.106	.116	.126	.147	.168	.189	.211	.230
R			.076	.087	.096	.105	.115	.135	.153	.172	.192	.212
S			.074	.083	.092	.101	.109	.129	.147	.165	.182	.201
T	n/a	n/a	.074	.084	.093	.102	.110	.129	.147	.166	.185	.203
U			.078	.088	.097	.108	.116	.135	.155	.175	.194	.211
V			.083	.093	.102	.112	.123	.142	.164	.184	.205	.226
W			.111	.124	.138	.152	.167	.194	.221	.250	.275	.303
X			.086	.097	.106	.117	.128	.149	.171	.190	.213	.234
Y			.086	.098	.109	.119	.129	.150	.172	.194	.215	.237
Z			.073	.082	.090	.100	.109	.127	.145	.163	.181	.199
1			.042	.047	.052	.058	.063	.073	.083	.094	.104	.113
2			.068	.076	.083	.091	.100	.117	.132	.149	.167	.183
3			.069	.076	.083	.092	.101	.117	.133	.150	.167	.184
4			.069	.076	.086	.094	.102	.120	.136	.154	.170	.188
5	n/a	n/a	.069	.076	.085	.094	.102	.120	.136	.153	.170	.186
6			.069	.077	.086	.095	.103	.121	.137	.154	.171	.189
7			.064	.072	.080	.088	.096	.111	.127	.142	.158	.175
8			.069	.077	.085	.094	.102	.120	.135	.154	.170	.186
9			.069	.077	.085	.096	.102	.121	.136	.155	.170	.189
0			.069	.076	.085	.095	.103	.119	.136	.154	.171	.189
.			.023	.027	.030	.033	.036	.042	.048	.053	.060	.066
,			.023	.027	.030	.033	.037	.042	.048	.054	.060	.066
+			.056	.063	.071	.077	.084	.098	.114	.127	.141	.155
-			.030	.034	.037	.042	.045	.053	.061	.068	.076	.083
/	n/a	n/a	.039	.043	.049	.052	.058	.068	.077	.086	.096	.104

Note: Minimum distance between characters is critical to legibility and cannot be less than .015".