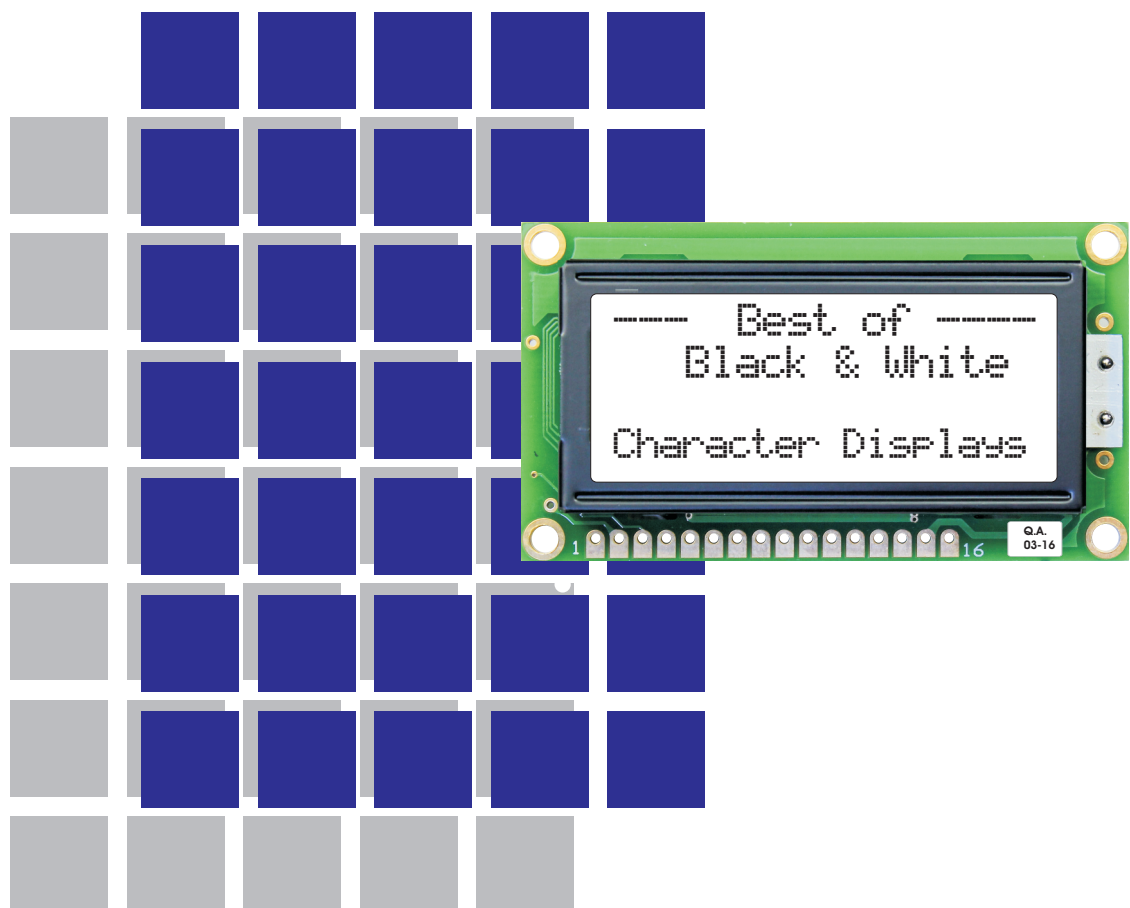
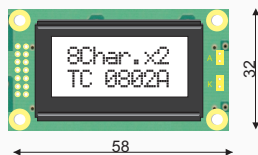


# LCD Character Modules

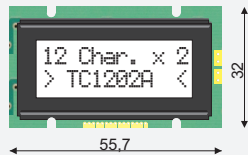
## Black Line



TC 0802A



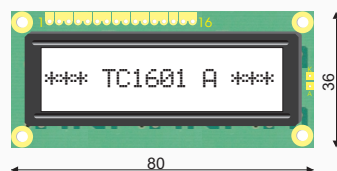
TC 1202A



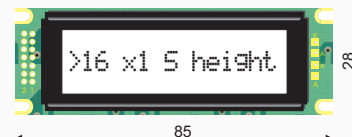
TC 1601L



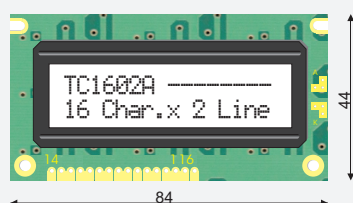
TC 1601A



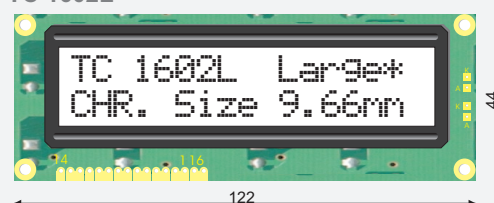
TC 1601B



TC 1602A



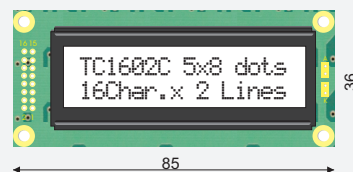
TC 1602L



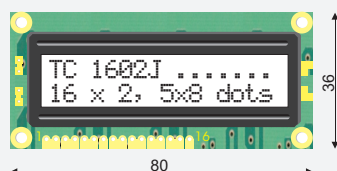
TC 1602B



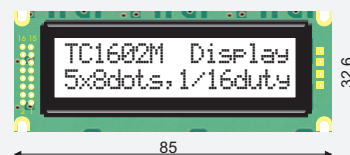
TC 1602C



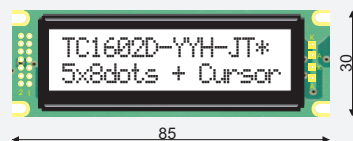
TC 1602J



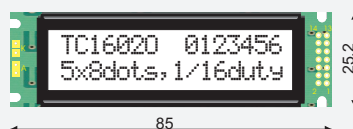
TC1602M



TC 1602D



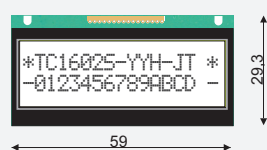
TC 1602O



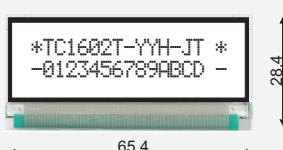
TC 1602P



TC 1602S



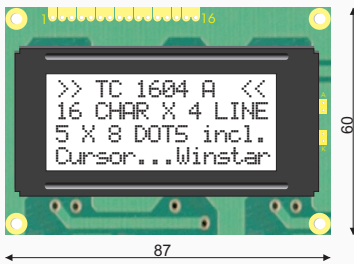
TC1602T



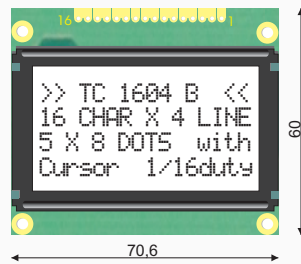
TC 1602V2



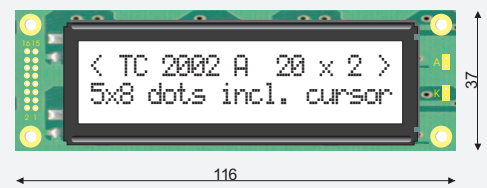
TC 1604A



TC 1604B



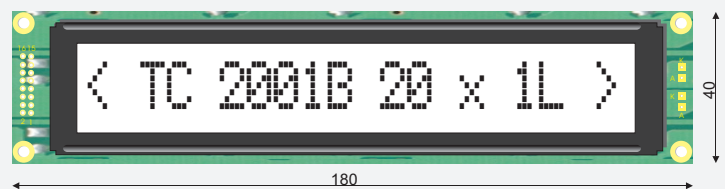
TC 2002A



TC 2002M



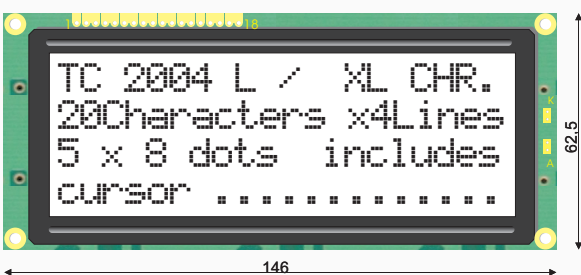
TC 2001B



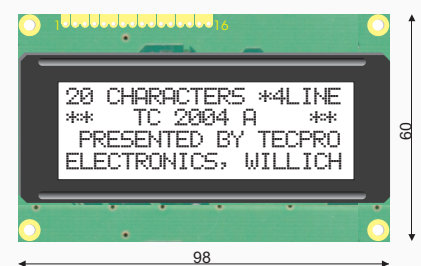
TC 2002L



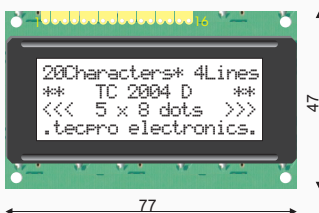
TC 2004L



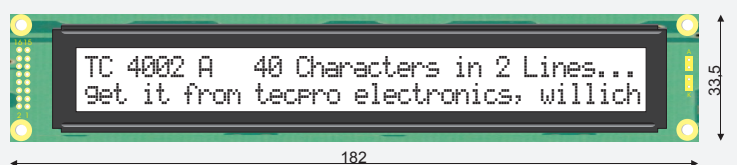
TC 2004A



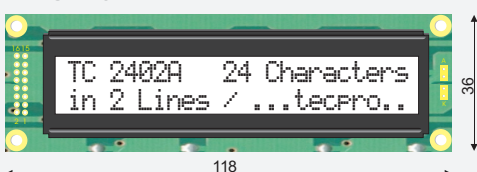
TC 2004D



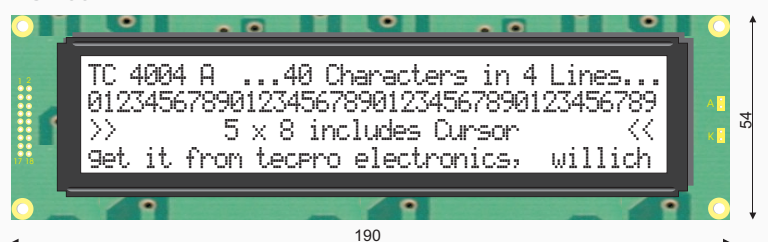
TC 4002A



TC 2402A



TC 4004A



# Character Generator ROM Pattern

## Englisch / European

	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
0000	CG RAM (1)	±	0	0	P	°	P	G	E	S			I	0	B	T
0001	CG RAM (2)	≡	1	A	Q	a	a	0	z	i	"	J	t	Y	U	
0010	CG RAM (3)	7	"	2	B	R	b	r	e	E	6	"	0	3	8	Y
0011	CG RAM (4)	/	#	3	O	S	c	s	a	0	G	"	P	7	e	U
0100	CG RAM (5)	Y	#	4	D	T	d	t	a	0	C	"	4	P	Z	0
0101	CG RAM (6)	1	2	5	E	U	e	u	a	0	E	b	"	Δ	n	W
0110	CG RAM (8)	Y	8	6	F	U	f	u	a	0	#	4	J	0	0	#
0111	CG RAM (1)	J	"	7	G	U	a	u	G	0	R	×	"	A	L	#
1000	CG RAM (2)	Y	0	8	H	X	h	x	e	0	J	"	"	E	K	0
1001	CG RAM (3)	Y	0	9	I	Y	i	y	e	0	I	Δ	Π	Δ	#	
1010	CG RAM (4)	×	*	"	J	Z	j	z	e	0	a	2	7	Z	U	F
1011	CG RAM (5)	J	+	"	K	L	k	l	i	0	a	3	L	T	0	#
1100	CG RAM (5)	=	"	<	L	"	l	"	i	0	a	3	"	J	0	0
1101	CG RAM (6)	ω	-	"	M	O	m	o	i	0	a	3	"	4	π	-
1110	CG RAM (7)	E	.	"	N	0	n	0	a	0	0	0	0	0	0	0
1111	CG RAM (8)	#	/	"	0	L	o	Δ	a	0	0	0	0	0	0	0

## English / Japanese

	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
0000	CG RAM (1)				0	0	P	°	P					-	0	3
0001	CG RAM (2)				1	A	Q	a	a					7	0	3
0010	CG RAM (3)				"	2	B	R	b	r				7	0	3
0011	CG RAM (4)				#	3	O	S	c	s				7	0	3
0100	CG RAM (5)				#	4	D	T	d	t				7	0	3
0101	CG RAM (6)				2	5	E	U	e	u				7	0	3
0110	CG RAM (8)				8	6	F	U	f	u				7	0	3
0111	CG RAM (1)				"	7	G	U	a	u				7	0	3
1000	CG RAM (2)				0	8	H	X	h	x				7	0	3
1001	CG RAM (3)				0	9	I	Y	i	y				7	0	3
1010	CG RAM (4)				*	"	J	Z	j	z				7	0	3
1011	CG RAM (5)				+	"	K	L	k	l				7	0	3
1100	CG RAM (5)				"	<	L	"	l	"				7	0	3
1101	CG RAM (6)				-	"	M	O	m	o				7	0	3
1110	CG RAM (7)				.	"	N	0	n	0				7	0	3
1111	CG RAM (8)				/	"	0	L	o	Δ				7	0	3

## Englisch / Cyrillic

	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
0000	CG RAM (1)				0	0	P	°	P				E	N	4	2
0001	CG RAM (2)				1	A	Q	a	a				7	0	3	8
0010	CG RAM (3)				"	2	B	R	b	r			2	6	U	W
0011	CG RAM (4)				#	3	O	S	c	s			8	6	U	W
0100	CG RAM (5)				#	4	D	T	d	t			3	7	0	3
0101	CG RAM (6)				2	5	E	U	e	u			8	6	U	W
0110	CG RAM (8)				8	6	F	U	f	u			0	8	6	U
0111	CG RAM (1)				"	7	G	U	a	u			J	3	a	I
1000	CG RAM (2)				0	8	H	X	h	x			Π	Δ	Δ	I
1001	CG RAM (3)				0	9	I	Y	i	y			Δ	0	0	I
1010	CG RAM (4)				*	"	J	Z	j	z			0	8	6	I
1011	CG RAM (5)				+	"	K	L	k	l			4	0	0	I
1100	CG RAM (5)				"	<	L	"	l	"			W	8	6	I
1101	CG RAM (6)				-	"	M	O	m	o			6	4	0	I
1110	CG RAM (7)				.	"	N	0	n	0			U	8	6	I
1111	CG RAM (8)				/	"	0	L	o	Δ			3	7	0	I

## Also Available



Russian



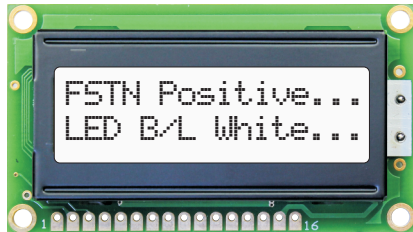
Greek



Hebrew



## Color And Backlight Examples



FSTN Positive, LED Backlight White



STN Yellow-Green, LED Backlight



STN Positive, LED Backlight Amber

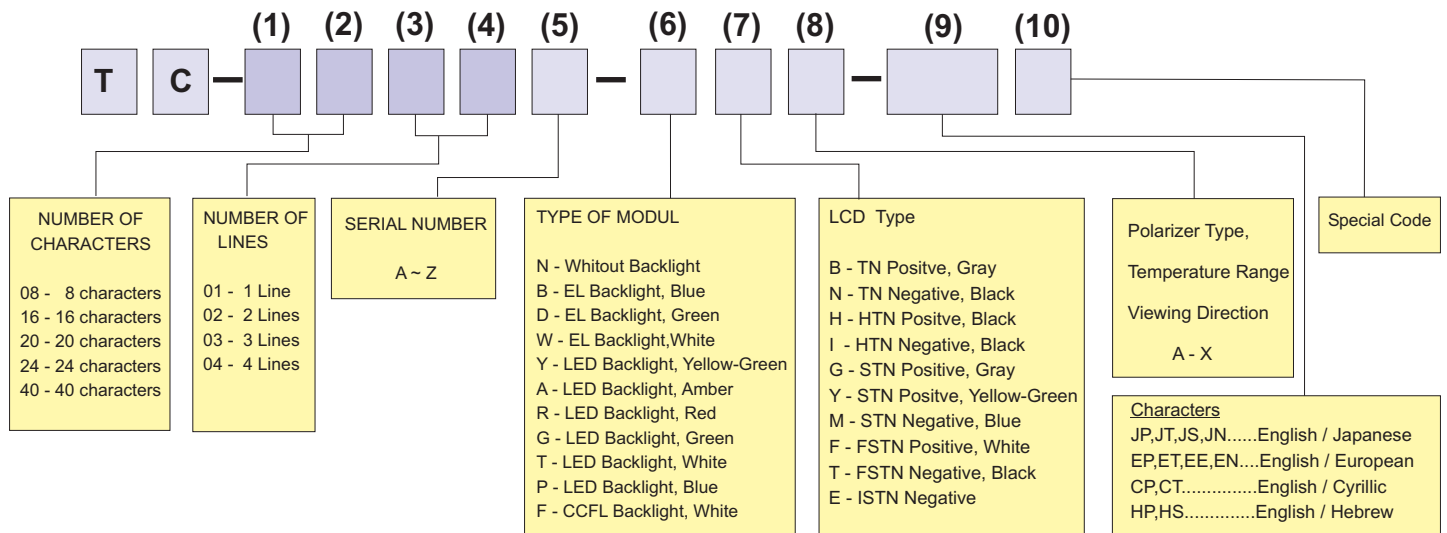


FSTN Negative Blue, LED Backlight White



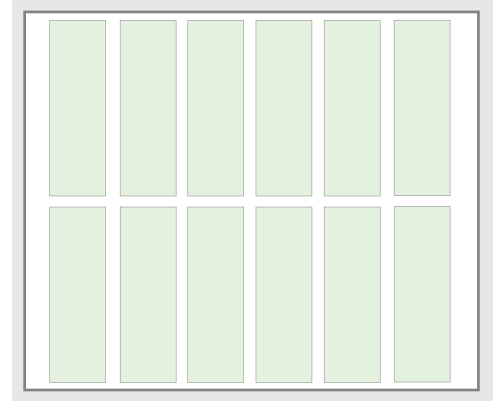
FSTN Positive, LED Backlight Blue

## Ordering Information





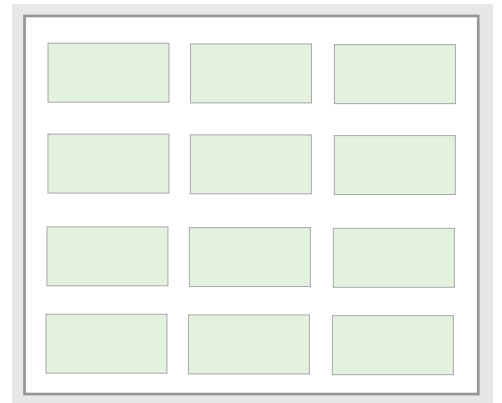
WH4002A - 8/Tray



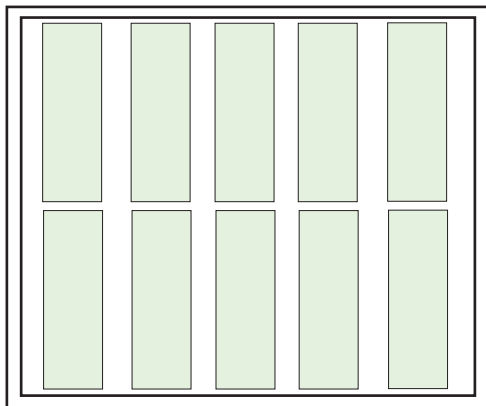
WH2002A - 10/Tray



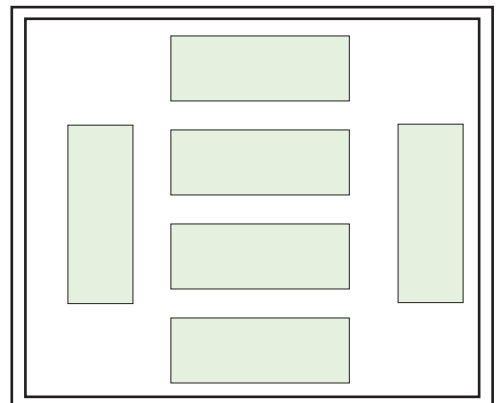
WH4004A - 4/Tray



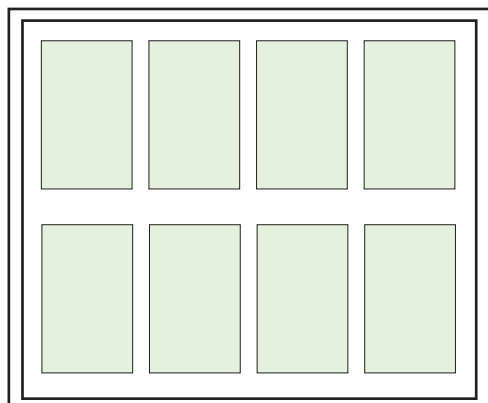
WH1602small - 12/Tray



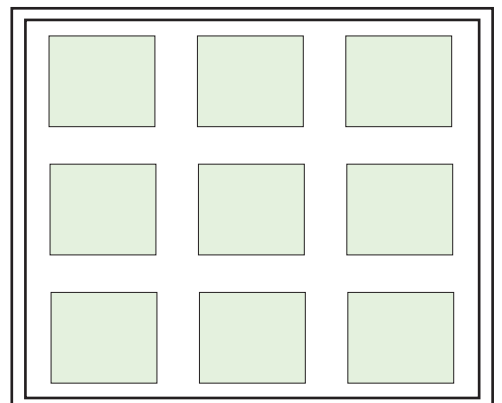
WH2402A - 10/Tray



WH2002M - 6/Tray



WH2004A - 8/Tray



WH1604B - 9/Tray