



Product Change Notification

PCN No: 2011-07-11-01

Report Date: July 13, 2011

Subject: Change to European Font

List of New / Changed Products:

LCD0821

Reason for Change:

- 1) To provide more multilingual (European) support to our modules and decrease electrostatic susceptibility, we will start using ESD protected, European font displays. Please compare the following European (new) and the Japanese (old) character sets .

European Font Character Set

Upper 4 bit Lower 4 bit	LLLL	LLLH	LLHL	LLHH	LHLL	LHLH	LHHL	LHHH	HLLL	HLLH	HLHL	HLHH	HHLL	HHLH	HHHL	HHHH
LLLL	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±
LLLH	≡	!	1	A	Q	a	q	ü	æ	ï	ˆ	ˆ	J	†	ÿ	ü
LLHL	¿	"	2	B	R	b	r	ë	ë	ö	°	°	ω	≡	≡	≡
LLHH	♁	#	3	C	S	c	s	ç	ç	û	'	'	Ɔ	Ɔ	Ɔ	Ɔ
LHLL	ı	*	4	D	T	d	t	ð	ð	ñ	'	'	Ɔ	Ɔ	Ɔ	Ɔ
LHLH	ı	×	5	E	U	e	u	å	å	é	'	'	†	†	†	†
LHHL	ı	&	6	F	V	f	v	ø	ø	ı	'	'	†	†	†	†
LHHH	ı	'	7	G	W	g	w	ö	ö	ı	'	'	†	†	†	†
HLLL	ı	ç	8	H	×	h	×	ø	ø	ı	'	'	†	†	†	†
HLLH	ı	ı	9	I	Y	i	y	é	é	ı	'	'	†	†	†	†
HLHL	ı	ı	:	J	Z	j	z	ø	ø	ı	'	'	†	†	†	†
HLHH	ı	ı	;	K	ç	k	ç	ı	ı	ı	'	'	†	†	†	†
HHLL	ı	=	<	L	\	l	\	ı	ı	ı	'	'	†	†	†	†
HHLH	ı	∞	—	M	ı	m	ı	ı	ı	ı	'	'	†	†	†	†
HHHL	ı	ı	>	N	^	n	^	ı	ı	ı	'	'	†	†	†	†
HHHH	ı	ı	?	O	_	o	_	ı	ı	ı	'	'	†	†	†	†

Japanese Font Character Set

					D7	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	
					D6	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
					D5	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
					D4	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
D3	D2	D1	D0		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	
0	0	0	0	0				0	0	P`	P				-	ヲ	E	o	P		
0	0	0	1	1			!	1	0	a	a				フ	ヲ	4	a	9		
0	0	1	0	2			"	2	R	b	r				フ	イ	ツ	×	o	o	
0	0	1	1	3			#	3	C	S	c	s			フ	ウ	フ	E	s	o	
0	1	0	0	4			\$	4	D	T	d	t			フ	イ	ト	ト	H	a	
0	1	0	1	5			%	5	E	U	e	u			フ	オ	ト	1	o	o	
0	1	1	0	6			&	6	F	V	f	v			フ	0	ニ	o	o	o	
0	1	1	1	7			'	7	G	W	w				フ	ヲ	又	ヲ	o	o	
1	0	0	0	8			(8	H	X	h	x			フ	ウ	ヲ	U	o	o	
1	0	0	1	9)	9	I	Y	i	y			フ	ウ	U	U	U	U	
1	0	1	0	A			*	:	J	Z	j	z			フ	コ	0	U	U	U	
1	0	1	1	B			+	;	K	L	k	l			フ	オ	E	o	U	U	
1	1	0	0	C			,	<	L	¥	l	l			フ	ウ	U	U	U	U	
1	1	0	1	D			-	=	M	I	n	>			フ	又	U	U	U	U	
1	1	1	0	E			.	>	N	^	n	+			フ	E	o	U	U	U	
1	1	1	1	F			/	?	O	_	o	+			フ	U	U	U	U	U	

We will begin using ESD European font displays with the -YG units as early as October 2011, stock permitting. Rollover is continuous; please contact your sales representative to determine expected implementation dates for the -WB, -IY, -R, and -GW versions, and to confirm which character set your module will be arriving with.

Schedule of Change:
October 1, 2011

Documentation Revision

Revision	Changes	Date	Author
1.0	Initial Release	11/07/11	Clark
1.1	Updated Schedule of Change	13/07/11	Clark

Contact Information:

Julian Gelfand (Sales Manager): jgelfand@matrixorbital.ca

Reference Documents/Attachments:

Location: <http://www.matrixorbital.ca/manuals/>

Approvals:

Engineering: **James McTavish (Engineering Coordinator)**

Sales: **Julian Gelfand (Sales Manager)**

Production: **Yuko Hansen (Production Manager)**