

## **Product Change Notification**

PCN No: 2013-04-10-01 Report Date: April 10, 2013

Subject: Alphanumeric 8x2 yellow/green Display Update

\_\_\_\_\_

#### **List of New / Changed Products:**

All the following alphanumeric displays:

LCD0821 (-V and -E options), yellow/green only

#### **Reason for Change:**

Matrix Orbital has updated the 8 character by 2 line yellow/green Japanese font display that is used in the LCD0821 (yellow/green product) for Matrix Orbital display standardization purposes.

### **Product Change:**

We will now be using an 8 character by 2 line yellow/green European font display. Please compare the following Japanese (old) and European (new) character sets in the following tables.

There is also a minor change in the mounting holes of the new display; diameters are now 2.5mm instead of the old 3.5mm.

# Japanese Font Character Set (old):

Upper 4 Lower Bits	0000	0001	0010	0011		0101	<del>-</del>	0111	1000	1001	1010	1011	1100	1101	1110	1111
4Bits XXXX0000	CG RAM (1)	0001	0010	0	a	P	*	P	1000	1001	1010		<b>7</b>	<b>=</b> ,	Ο	
xxxx0001	(2)		I	1	A	Q	a	9			•	7	Ŧ	4	ä	q
xxxx0010	(3)		П	2	B	R	b	r			Γ	1	IJ	X	ß	Θ
xxxx0011	(4)		#	3	C	5	C	S			_	Ż	Ŧ	ŧ	٤	60
xxxx0100	(5)		\$	4	D	T	d	ŧ.			-	I	ŀ	þ	μ	Ω
xxxx0101	(6)		7,	5	E	U	e	u				7	Ŧ	1	Б	ü
xxxx0110	(7)		&	6	F	Ų	f.	Ų			П	Ħ	•	T	ρ	Σ
xxxx0111	(8)		,	7	G	W	9	W			7	‡	Z	Ŧ	9	π
xxxx1000	(1)		(	8	H	X	h	X			4	2	*	ij	Ţ	X
xxxx1001	(2)		)	9	I	Y	i	Ч			÷	ጛ	J	ıb	-1	У
xxxx1010	(3)		*		J	Z	j	Z			I		ıΊ	V	j	Ŧ
xxxx1011	(4)		+	;	K		k	{			#	<b>#</b>	E		X	Я
xxxx1100	(5)		,	<		¥	1				t	5)	7	7	¢	Ħ
xxxx1101	(6)		_		М		M	}			ュ	Z	ጎ	>	Ł	÷
xxxx1110	(7)		•	>	N	۸	n	÷			3	t	#	*	ñ	
xxxx1111	(8)		/	?	0	_	0	÷			ij	y	7		Ö	

# **European Font Character Set (new):**

Via		j				- 1		200					200			
Upper 4 bit Lower 4 bit	LLLL	LLLH	LLHL	LLHH	0 0		LHHL	LHHH	HLLL	HLLH	HLHL	нін	HHLL	HHLH	НННГ	нннн
LLLL																
LLLH																
LLHL																
LLHH																
LHLL																
LHLH																
LHHL																
ГННН																
HLLL																
HLLH																
HLHL																
нцнн																
HHLL																
ннгн											H					
нннг																
нннн																

## **Schedule of Change:**

August 15, 2013

#### **Documentation Revision**

Revi	sion	Changes	Date	Author
1.0		Initial Release	April 10, 2013	R Malinis

#### **Contact Information:**

Clare Lang (Sales Manager): <a href="mailto:cwagner@matrixorbital.ca">cwagner@matrixorbital.ca</a>

## **Reference Documents/Attachments:**

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

#### **Approvals:**

**Engineering: Henry Jakl (Design and Development)** 

Sales: Clare Lang (Sales Manager)

Production: Yuko Hansen (Production Manager)