SYC SEMICONDUCTORES Y COMPONENTES

PARANA 274
(C1017AAF) BUENOS AIRES
TEL/FAX: 4371-5300 (L.ROT)
www.sycelectronica.com.ar
info@sycelectronica.com.ar

CODIGO	DESCRIPCION
DG-12128S1FBLY	128 X 128 BACK VERDE/AMAR

GRAPHIC LCM

For example:

DG - 1 2 8 6 4 S F L Y
1 2 3 4 5 6

1	**Display Type**	DG	Graphic LCM					
2	**Series number**	Graphic Resolution						
3	**LCD mode**	S	S1-Yellow/ Gray ,STN S2-Silver/ Gray, STN	W	Black & Whit4e			
4	**Polarizer fluid**	R	Reflective	F	Transflective			
		N	Negative					
5	**View Direction**	B	Bottom View (6H)	T	Top View (12H)			
6	**Backlight**	E	EL	L	LED	C	C.C.F.L.	
7	**B/L color**	A	Amber (EL, LED)	B	Blue-green (EL)	R	RED (LED)	
		W	White (EL, C.C.F.L)	Y	Yellow green (EL, LED, C.C.F.L.)			
8	**Temp. Range**		Normal Temperature	H	High Temperature			

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DG series

DG-12128 128 x 128dots 1/128 Duty STN Reflective/EL Backlight

■ MECHANICAL DATA

Item	Dimension	Unit
Module Size	72.4(W) x 69.9(H) x 10.0(T)	mm
View Area	49.0(W) x 49.0(H)	mm
Dot Size	0.32 x 0.32	mm
Dot Pitch	0.35 x 0.35	mm

■ ABSOLUTELY MAXIMUM RATINGS

Item	Symbol	Standard Value			Unit
		Min	Typ.	Max.	
Supply Voltage for Logic	V_{DD}-V_{SS}	0	--	7.0	V
Supply Voltage for LCD Drive	V_{DD}-V_{EE}	0	--	26.0	V
Input Voltage	V_I	V_{SS}	--	V_{DD}	V

■ ELECTRICAL CHARACTERISTICS

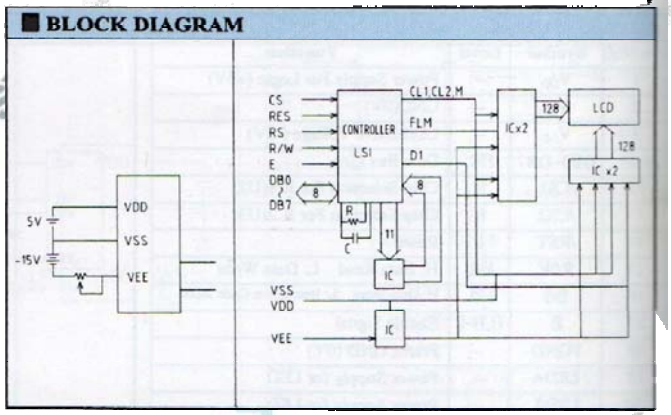
Item	Symbol	Condition	Specification	Unit
Logic circuit Power Supply Voltage	V_{DD}	--	4.75 → 5.25	V
	V_{EE}	--	-20.0	V
High Level Input Voltage	V_{IH}	V_{DD}=5±0.25V	(0.7 → 1.0) x V_{DD}	V
Low Level Input Voltage	V_{IL}	V_{DD}=5±0.25V	(0→ 0.3) x V_{DD}	V
High Level Output Voltage	V_{OH}	V_{DD}=5±0.25V	2.4 → V_{DD}	V
Low Level Output Voltage	V_{OL}	V_{DD}=5±0.25V	0 → 0.4	V
Current Consumption	I_{DD}	V_{DD}=5V, V_0=-10V	20.0MAX	mA
	I_{EE}		10.0MAX (Note 1)	mA

Note 1: In case of all dots on

■ PIN FUNCTIONS

Pin No.	Symbol	Level	Function
1~8	DB0~DB7	H/L	Data Bus Line
9	RS	H/L	H ⇨ Instruction, L⇨ Data
10	R/W	H/L	H: MPU ⇦ 61830, L: MPU ⇨ 61830
11	E	H/L	Enable
12	CS	L	Chip Enable Active "L"
13	RES	L	Reset Active "L"
14	V_{EE}	--	Power Supply for LCD Circuit
15	V_{DD}	--	Power Supply for Logic Circuit
16	V_{SS}	--	Ground
17,18	NC		No Connection
19	LEDA		LED or EL Backlight
20	LEDK		LED or EL Backlight

■ BLOCK DIAGRAM



■ DIMENSION OUTLINE