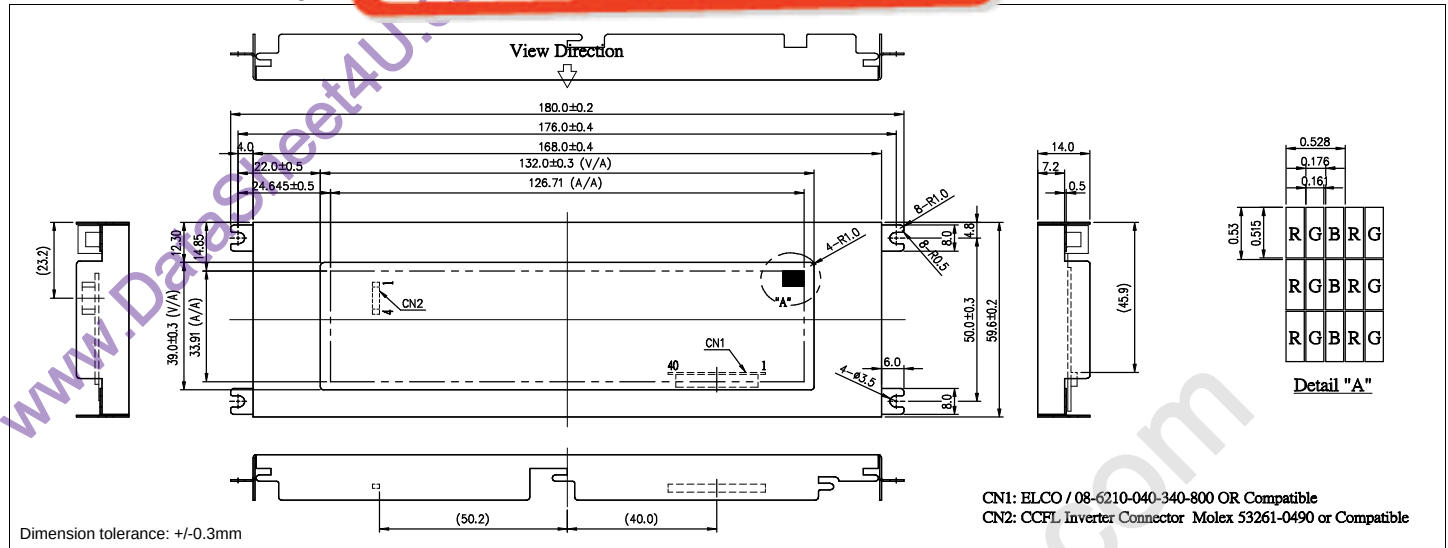


HDM64GS24C

Dimensional Drawing

液晶之友 电话: 020-33819057
Http://www.lcdfriends.com

240 X 64 Dots Color Graphic



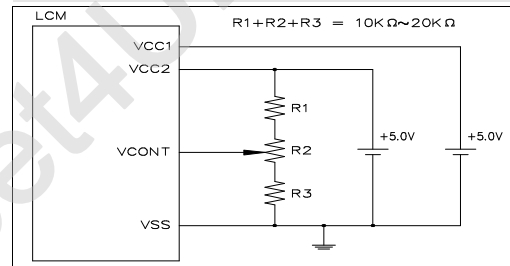
Features

Backlight..... CCFL
Options..... Color STN
Bottom / Top Viewing
Built-in Controller..... EPSON SED1353
Built-in Inverters..... DC-to-DC, CCFL backlight

Physical Data

Module Size..... 180.0W x 59.6H x 14.0 mm
Viewing Area Size..... 132.0W x 39.0H mm
Dot Pitch..... 0.176W x 0.53H mm
Dot Size..... 0.161W x 0.515H mm
Weight..... 125g

Power Supply



Pin Connections

PIN NO.	SYMBOL	FUNCTION
DATA CONNECTOR		
1	FG	Frame ground
2	V _{SS}	Power Supply (0V, Ground)
3	V _{SS}	
4	V _{CC1}	Power supply for logic
5	V _{CC1}	
6	V _{CC2}	Power supply for LCD
7	V _{CC2}	
8	V _{CONT}	LCD Contrast Adjustment Voltage
9	$\overline{IOCS}$	Control Register Chip Select Signal
10	$\overline{IOWR}$	Control Register Write Signal
11	$\overline{IORD}$	Control Register Read Signal
12	$\overline{MEMCS}$	Memory Chip Select Signal
13	$\overline{MEMWR}$	Memory Write Signal
14	$\overline{MEMRD}$	Memory Read Signal
15	READY	Ready Signal
16	RESET	Reset, H : Reset
17 ~ 32	AB0 ~ AB15	Address Bus Line
33 ~ 40	DB0 ~ DB7	Data Bus Line
CCFL CONNECTOR		
1	VR	Power supply for the CCFL
2	N/C	No connection
3	N/C	No connection
4	CFL GND	Power supply for the CCFL

Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	V _{CC1} -V _{SS} , V _{CC2} -V _{SS}	0	6.0	V
POWER SUPPLY FOR LCD	V _{CONT} -V _{SS}	0	V _{CC1}	V
INPUT VOLTAGE	V _{IN}	-0.3	V _{CC1} +0.3	V
OPERATING TEMPERATURE	T _{OP}	0	50	°C
STORAGE TEMPERATURE	T _{STG}	-20	70	°C

Electrical Characteristics (VDD=5.0±0.25V 25°C)

PARAMETER	SYM	CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	V _{CC1} , V _{CC2}	-	4.5	5.0	5.5	V
CONTRAST ADJ VOLTAGE	V _{CONT} -V _{SS}	T _a =0°C	0.6	-	-	V
		T _a =25°C	-	1.2	-	V
		T _a =50°C	-	-	2.2	V
INPUT HIGH VOLTAGE	V _{IH}	V _{CC1} =5.5V	2.0	-	-	V
INPUT LOW VOLTAGE	V _{IL}	V _{CC1} =4.5V	-	-	0.8	V
POWER SUPPLY CURRENT	I _{CC}	V _{DD} =5.0V	-	38	57	mA
CCFL START VOLTAGE.	V _{FS}	-	-	-	600	V rms
CCFL VOLTAGE.	V _{FL}	I _{FL} =5mA _{rms}	-	400	-	V rms
CCFL CURRENT	I _{FL}	-	3.0	5.0	7.0	mA _{rms}
CCFL FREQUENCY	F _{FL}	-	55	65	75	kHz
BRIGHTNESS	L	Dots all ON	-	187	-	cd/m ²
		Dots all OFF	-	2.4	-	
DRIVE METHOD	1/64 Duty					