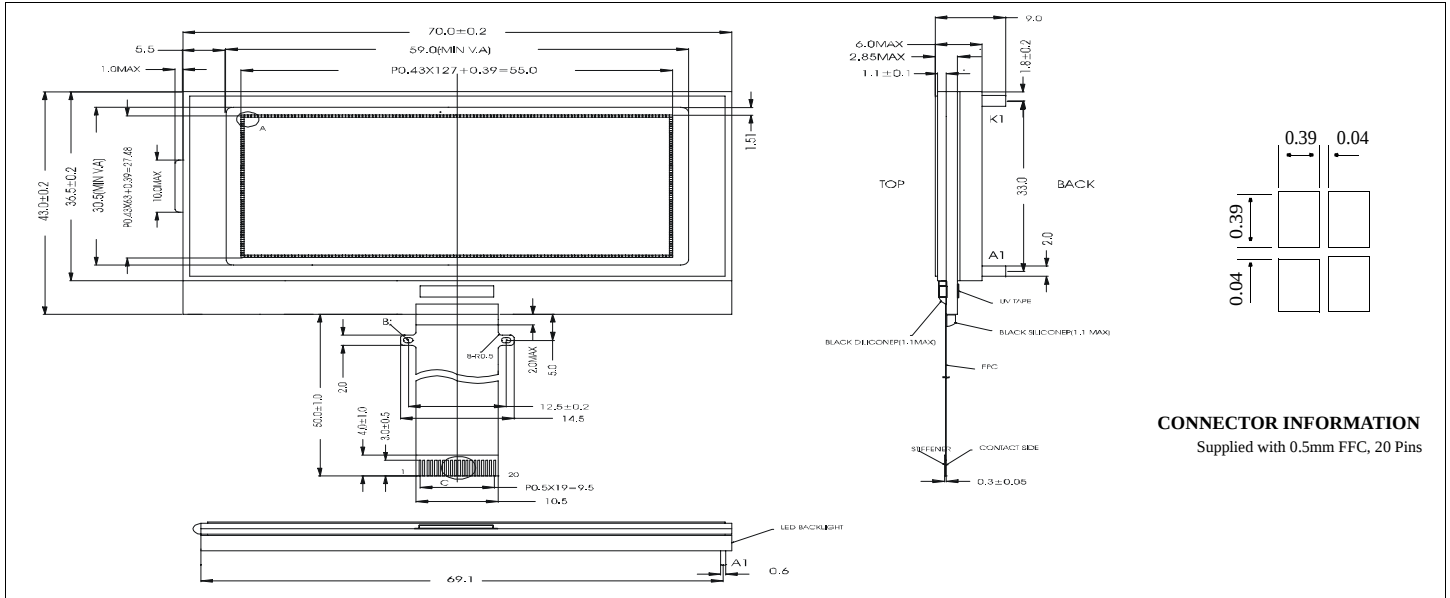


HDG12864L-7

Chip On Glass Technology

Dimensional Drawing

128 X 64 Dots Graphic with LED Backlight



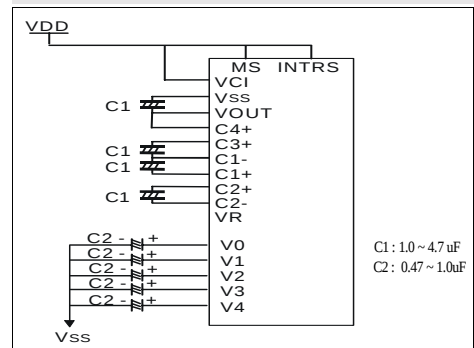
Features

Back lightWhite or Yellow Green.LED
 ConnectionFlat Flex Cable
 Options.....STN/FSTN, 6/12 o'clock View
 Extended/Nornal Temperature
 Transflective or Reflective Polarizer
 Built-in Controller.....Samsung S6B0724A01-B0CY

Physical Data

Module Size.....70.0W x 43.0H x 9.0T mm
 Viewing Area Size.....50.9W x 30.5 mm
 Dot Pitch.....0.43W x 0.43H mm
 Dot Size.....0.39W x 0.39H mm

Power Supply



Absolute Maximum Ratings

PARAMETER	SYMBOL	MIN	MAX	UNIT
SUPPLY VOLTAGE	$V_{DD}-V_{SS}$	-0.3	7.0	V
SUPPLY VOLTAGE FOR LCD	$V_{DD}-V_L$	-0.3	17.0	V
INPUT VOLTAGE	V_{IN}	-0.3	$V_{DD}+0.3$	V
OPERATING TEMPERATURE	T_{OP}	0	50	°C
STORAGE TEMPERATURE	T_{STG}	-20	70	°C

Electrical Characteristics (VDD=3.0±0.6V 25°C)

PARAMETER	SYM	MIN	TYP	MAX	UNIT
POWER SUPPLY FOR LCD	$V_{DD}-V_L$	-	9.0	-	V
POWER SUPPLY CURRENT	I_{DD}	-	0.15	-	mA
LED Forward Voltage	V_F	-	4.5	-	V
LED Forward Current (White)	I_F	-	30	40	mA
LED Forward Current (Yellow)		-	60	120	mA
LED Power Dissipation (White)	P_D	-	135	-	mW
LED Power Dissipation (Yellow)		-	270	-	mW
Luminous	L	-	50	-	cd/m ²
DRIVE METHOD		1/65 Duty			

Pin Connections

PIN NO.	SYMBOL	FUNCTION
1	NC	No Connect
2	V0	LCD Driver Supply Voltages
3	V4	
4	V3	
5	V2	
6	V1	
7	C2-	DC/DC Voltage ConInverter capacitors
8	C2+	
9	C1+	
10	C1-	
11	C3+	
12	Vout #	Voltage Converter Input/ Output pin
13	VSS	Ground
14	VDD	Power supply for Logic
15	SI	Serial Input Data
16	SCL	Serial Input Clock
17	RS	Register Select Input Signal
18	RES	Reset Input Signal
19	CS1	Chip Select Signal
20	NC	No Connect