

Phoenix Display International, Inc.

PRODUCT PREVIEW

128 x 64 Monochrome

TN/STN

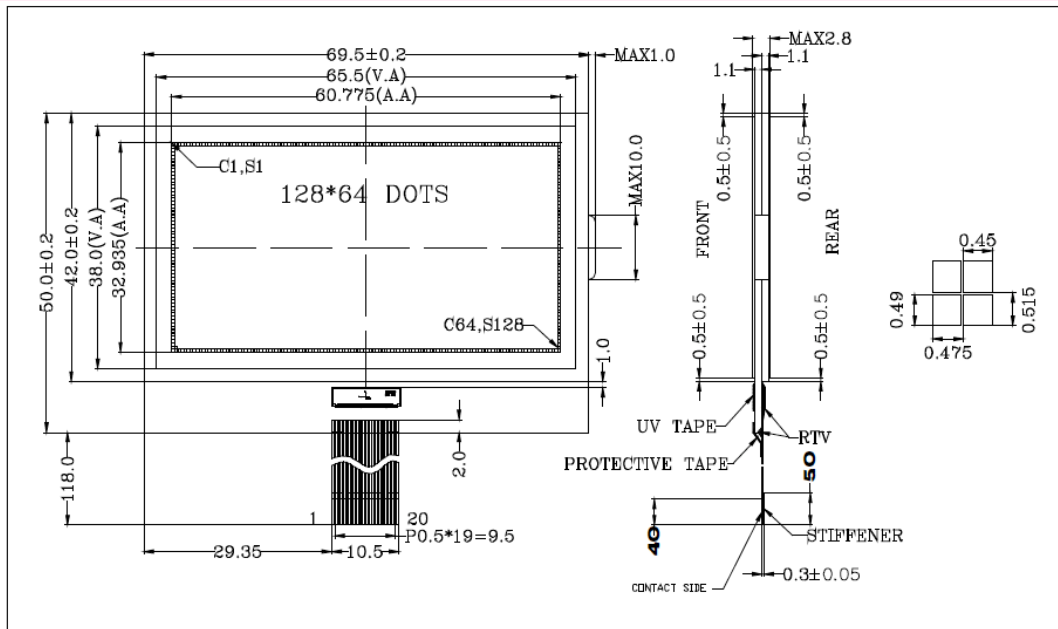
Graphics
Liquid Crystal Display

SPECIFICATIONS

MODULE

Part Number	G-1286443G-VA
Format	128 Columns by 64 Rows
Controller	S6B1713
Overall Dimensions	69.5mm x 50.0mm x 2.8mm
Active Area	65.5mm x 38.0mm
Pixel Pitch	475mm x 515mm
Pixel Size	450mm x 490mm
Backlight System	None
Driver Attach	Chip on Glass (COG)
Glass Type	STN, FSTN
Display Type	R,TF,TM
Duty	1/65

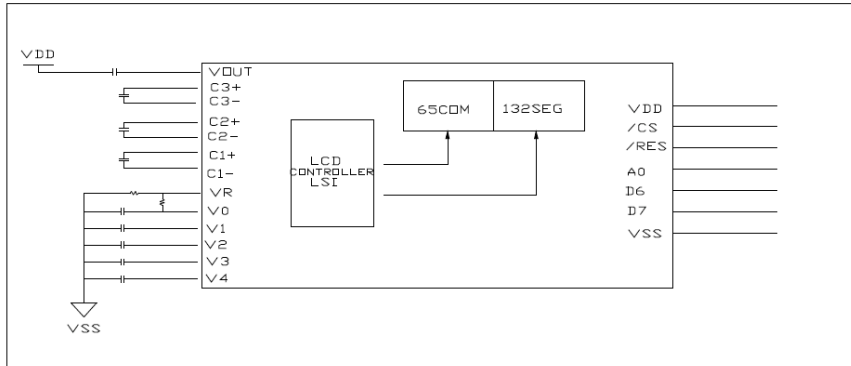
1.0 DIMENSIONAL DRAWING



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2.0 BLOCK DIAGRAM



3.0 ELECTRICAL CHARACTERISTICS (Ta= -40to85 °C, VDD=3.0V±10%)

Item	Symbol	Test condition	Standard Value			Unit
			Min.	Typ.	Max.	
Power Supply Voltage	VDD	25°C	---	3.0	---	V
LCD Operation Voltage	Vop	25°C(STN)	---	9.0	---	V
LCM Curren Consumption	IDD	25°C	---	---	1.0	mA
Backlight Forward Voltage	VF	25°C	---	---	---	V

4.0 ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Test condition	Standard Value			Unit
			Min.	Typ.	Max.	
Supply Voltage(Logic)	VDD-VSS	25	-0.3	-	+7.0	V
Supply voltage for LCD	VDD-V0	-	-0.3	-	17.0	V
Input voltage	VIN	-	-0.3	-	VDD+0.3	V
Operation Temp.	TOPR	-	-0	-	+50	°C
Storage Temp.	TSTG	-	-10	-	+60	°C

5. PIN ASSIGNMENT

Pin no.	Symbol	Description
1	/CS	L: Chip Select
2	/RES	L: Reset
3	A0	H: Intruction; L: Data
4	D6	SCLK
5	D7	SDA
6	VDD	+3.0V
7	VSS	GND
8	VOUT	→1.0uF→VDD
9	C3+	→1.0u→C3-
10	C3-	→1.0u→C3+
11	C1-	→1.0uF→C1+
12	C1+	→1.0uF→C1-
13	C2+	→1.0uF→C2-
14	C2-	→1.0uF→C2+
15	VR	→ajust resistance
16	V0	→0.47uF→VSS
17	V1	→0.47uF→VSS
18	V2	→0.47uF→VSS
19	V3	→0.47uF→VSS
20	V4	→0.47uF→VSS

Remark:
1. LCD option: TN,STN, FSTN .
2. Customized module.

