

4.Polarizer

*Visual Specifications

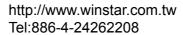
Norml Anti-glare

Special Requirement_

CUSTOM MODULE APPLICATIONS

Glossary

TERM	EXPLANATION	
COB (chip on board)	An IC chip is mounted onto a printed circuit board and wire bonding.	
COF (chip on fpc)	A chip product is mounted on a FPC.	
EL (electro luminescence)	Light generated by an electric field. An EL layer is formed on a high molecular weight film and is used as an EL light source for a liquid crystal display.	
FSTN (formulated STN)	An optically compensated film is added to a STN, and is used as a monochrome display.	
LED (light emitting diode)	A diode which emits light for Backlight.	
PCB (print circuit board)	A printed circuit board.	
PFP (plastic film panel)	An LCD using plastic film on a cell base board.	
QFP (quad flat package)	A package formed with leads on surfaces oriented in f	four directions.
QTP (quad tape carrier package)	Four directional typeTCP.	
SMT (surface mount technology)	Mounting on the surface.	
STN (super twisted nematic)	A nematic liquid crystal with a twist of roughly 180 degrees to 270 degrees.	
TCP (tape carrier package)	A flexible board printed with a circuit pattern, with ic chips mounted on it.	
tf (fall time)	Response speed: falling edge time.	
TN (twisted nematic)	A nematic liquid crystal with a twist of roughly 90 degrees, and the type of display that uses it.	
TNR (tn with retardation film)	A type of color display which does not use a color filter, made by attaching a phase difference plate to a normal TN panel.	
tr (rise time)	Response speed: rising edge time.	
Vop (operating voltage)	LCD drive voltage/liquid crystal drive voltage	
Vth (threshold voltage)	A threshold voltage.	
COG (chip on glass)	An IC chip mounted onto glass.	
L x W : Module size x mm E x F : Bezel size x mm V1xV2: View area x mm P x Q : Display area x mm R : Length between mounting holes mm S : Length between mounting holes mm M : Diameter of mounting hole mm H : Total thickness mm H1 : Upper thickness mm		
2.Display Resolution ☐ Graphic Type	☐ Character Type	
Dot size	ion:x :a=mm x c=mm h:b=mm x d=mm rea:a=mm x bmm	Resolution:characters xlines Font: \[\] 5x7 \[\] 5x8 \[\] 5x11 \[\] 5x7+cursor Dot size:e=mm x g=mm Dot pitch:f=mm x h=mm Character size:c=mm x d=mm
3.Display mode *viewing Angle: (viewing Direction) 6 O'clock	5.Operation voltage Operation Voltage William July 11 According To Winstar's Design frame Frequency Hz 6.IC Controller: Segment drive Operation voltage V Bias Bias External External Driver: Segment drive	8.Power Source * Single power supply 5V, V * 2 power supplies for logic:VDD-VSS =, V for LCD drive:VDD-VO =, V 9.Contrast Adjustment *Method:,



___quanity:____

☐ According to Winstar's Design

*Mass production: delivery ... quantity ____ pcs/month total quantity ____ pcs

7. Developing schedule

*Sample: delivery___



 ${}^* Operating\ temperature\ range:$

*Storage temperature range:

_____°C to_____°C

_____°C to___

