

TSG1603A Series

Display Feature

Item	Value
Structure	COG
LCD Display Mode	STN-YG, Positive, Transflective
Viewing Angle	6H
Driving Method	1/25 duty, 1/5 bias
Backlight	Nil
Control/Driver IC	ST7036

Mechanical Data (unit : mm)

Item	Value
Outline	39.0 x 25.5 x 2.0Max.
Viewing Area	35.0 x 17.0
Active Area	31.92 x 10.31
Dot Pitch	0.33 x 0.4
Dot Size	0.3 x 0.37



Absolute Maximum

Item	MIN.	MAX.
Operating Voltage(V)	0	3.6
Operating Temperature(°C)	0	+50
Storage Temperature(°C)	-10	+60

Electrical Characteristics

Item	Symbol	MIN.	TYP.	MAX.
Operating Voltage(V)	V _{DD}	3.0	3.3	3.6
Input High Voltage(V)	V _{IH}	0.6V _{DD}	-	V _{DD}
Input Low Voltage(V)	V _{IL}	V _{SS}	-	0.2V _{DD}
Operating Current(mA)	I _{DD}	-	-	2.0
Forward Voltage(V)	V _f BL	-	-	-
Forward Current(mA)	I _f BL	-	-	-

Terminal Functions

No.	Pin name	Descriptions
1	RST	Reset signal
2	SCL	Serial Clock
3	SDA	Serial Data
4	VSS	Negative Power Supply, (0V)
5	VDD	Positive Power Supply
6	VOUT	Voltage converter input/output
7	C1P	Capacitor positive connection
8	C1N	Capacitor negative connection
9	V0	Drive supply voltage
:	:	
13	V4	

Outline Drawing

