

Mechanical Specifications

Parameter	Specifications	Unit	Remark
Screen Size	1.54	Inch	
Display Resolution	200(H)×200(V)	Pixel	Dpi:188
Active Area	27.00 (H)×27.00(V)	mm	
Pixel Pitch	0.135×0.135	mm	

Absolute Maximum Rating

Symbol	Parameter	Rating	Unit	Humidity	Unit	Note
V _{DD}	Logic supply voltage	-0.3 to +6.0	V	-	-	
T _{OPR}	Operation temperature range	0 to 40	°C	45 to 70	%	
T _{tgt}	Transportation temperature range	-25 to 60	°C	45 to 70	-	Note11-2
T _{stg}	Storage condition	0 to 40	°C	45 to 70	%	Maximum storage time: 5 years

Power Consumption (Price tag screen)

Parameter	Symbol	Conditions	TYP	Max	Unit	Remark
Panel power consumption during update	-	25°C	-	38	mAs	-
Deep sleep mode	-	25°C	-	3	uA	-

mAs=update average current×update time

Input/output Terminals

Pin #	Single	Description	Remark
1	NC	No connection and do not connect with other NC pins	Keep Open
2	GDR	N-Channel MOSFET Gate Drive Control	
3	RESE	Current Sense Input for the Control Loop	
4	NC	No connection and do not connect with other NC pins	Keep Open
5	VDHR	Positive Source driving voltage	
6	TSCL	I2C clock for external temperature sensor	Connect to GND if not used
7	TSDA	I2C data for external temperature sensor	Connect to GND if not used
8	BS	Bus selection pin	Note 6-5
9	BUSY_N	Busy state output pin	Note 6-4
10	RST_N	Reset	Note 6-3
11	DC	Data /Command control pin	Note 6-2
12	CSB	Chip Select input pin	Note 6-1
13	SCL	serial clock pin (SPI)	
14	SDA	serial data pin (SPI)	
15	VDDIO	Power for interface logic pins	
16	VDD	Power Supply pin for the chip	
17	GND	Ground	
18	VDDD	Core logic power pin	
19	VPP	Power Supply for OTP Programming	
20	VSH	Positive source driver Voltage	
21	VGH	Positive Gate driving voltage	
22	VSL	Negative Source driving voltage	
23	VGL	Negative Gate voltage.	
24	VCOM	VCOM driving voltage	