

# HYUNDAI

## 1. FEATURES

- \* The features of HG25504NG-01 are as follows :
- \* Display mode : STN gray positive type display
- \* Display format : 256 × 128 Dots
- \* Driving method : 1/128 Duty
- \* Viewing direction : 6 O'clock
- \* 80 Serise available

## 2. MECHANICAL SPECIFICATIONS

Item	Specification	Unit
Module Size (W × H × T)	147.0 × 116.0 × 12.0 Max	mm
Viewing Area (W × H)	127.0 × 70.0	mm
Dot Size (W × H)	0.43 × 0.43	mm
Dot Pitch (W × H)	0.47 × 0.47	mm
Weight	About 155	g

## 3. ABSOLUTE MAXIMUM RATINGS

### 3-1. Electrical Absolute Maximum Ratings

Item		Symbol	Value			Unit	Condition
			Min.	Typ.	Max.-		
Supply voltage	Logic	$V_{DD} - V_{SS}$	0	-	7.0	V	Ta=25℃ V <sub>DD</sub> =5V±10% V <sub>SS</sub> =0V
	LCD	$V_{DD} - V_0$	0	-	30	V	
Input voltage		$V_i$	-0.3	-	$V_{DD}+0.3$	V	

MODEL	HG25504NG-01	4/28	PRODUCT SPECIFICATIONS
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## 6. INTERFACE PIN ASSIGNMENT

Pin No.	Symbol	Level	Function
1	FG	0V	Frame ground
2	V <sub>SS</sub> (GND)	0V	Ground
3	V <sub>DD</sub> (V <sub>CC</sub> )	+5V	Power supply voltage for logic and LCD
4	V <sub>0</sub>	-	Operating voltage for LCD (variable)
B4 B3 5	/RES	H/L	Reset signal
B7 6	/RD	H/L	Read signal
B6 7	/WR	H/L	Write signal
8	/CS	H/L	Chip select signal
B5 9	A0	H/L	Data type select signal
D0 10	DB0	H/L	Display data bit 0
D1 11	DB1	H/L	Display data bit 1
D2 12	DB2	H/L	Display data bit 2
D3 13	DB3	H/L	Display data bit 3
D4 14	DB4	H/L	Display data bit 4
D5 15	DB5	H/L	Display data bit 5
D6 16	DB6	H/L	Display data bit 6
D7 17	DB7	H/L	Display data bit 7

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Supply voltage	Logic	$V_{DD} - V_{SS}$	0	-	7.0	$T_a=25^\circ\text{C}$ $V_{DD}=5\text{V} \pm 10\%$ $V_{SS}=0\text{V}$
	LCD	$V_{DD} - V_0$	0	-	30	
Input voltage	$V_i$	-0.3	-	$V_{DD}+0.3$	V	