



PIN CONNECTIONS

| Pin | Symbol | Level | Function | | |
|-----|------------------|-------|-----------------------------------|-----|-----------------------------------|
| 1 | CS1 | H/L | 00 01 10 | | |
| 2 | CS2 | | L M R | | |
| 3 | V _{SS} | 0V | GND | | |
| 4 | V _{DD} | +5V | Power supply for logic | | |
| 5 | V _O | - | No connection | | |
| 6 | RS | H/L | “H” Data, “L” Instruction code | | |
| 7 | R/W | H/L | “H” Read, “L” Write | | |
| 8 | E | H/L | Enable signal | | |
| 9 | DB0 | H/L | Data bus line | | |
| 16 | DB7 | | | | |
| 17 | LEDA | | | +5V | Power supply for LED backlight |
| 18 | LEDK | | | 0V | |
| 19 | V _{OUT} | | | - | No connection |
| 20 | /REST | | | L | Reset signal ,active “L” |

NOTES:

- Built-in KS0107/0108 controller
- +5V power supply optional
- Yellow green/blue mode optional
- Temperature compensation optional
- Compatible with. VARITRONIX
VP19264-SC-HT-LED04/VP19264-LED04

MECHANICAL DATA

| Item | Nominal Dimensions | Unit |
|---------------------------|--------------------|------|
| Module Size (W x H x T) | 100.0X60.0X15.0 | mm |
| Viewing Area (W x H) | 84.0X31.0 | mm |
| Dot Pitch (W x H) | 0.41X0.41 | mm |
| Dot Size (W x H) | 0.37X0.37 | mm |

ABSOLUTE MAXIMUM RATINGS

| Item | Symbol | Min. | Max. | Unit |
|------------------------|----------------------------------|------|----------------------|------|
| Supply Voltage (Logic) | V _{DD} -V _{SS} | -0.3 | 7.0 | V |
| Supply Voltage (LCD) | V _{DD} -V _O | -0.3 | 17.5 | V |
| Input Voltage | V _I | -0.3 | V _{DD} +0.3 | V |
| Operating Temp. | T _{OPR} | -20 | 70 | |
| Storage Temp. | T _{STG} | -30 | 80 | |

ELECTRICAL CHARACTERISTICS (V_{DD}=5.0V, Ta=25)

| Item | Symbol | Min. | Typ. | Max. | Unit |
|---------------------|---------------------------------|--------------------|------|-----------------|------|
| Input High Voltage | V _{IH} | 0.8V _{DD} | - | V _{DD} | V |
| Input Low Voltage | V _{IL} | 0 | - | 0.8 | V |
| Output High Voltage | V _{OH} | 2.4 | - | V _{DD} | V |
| Output Low Voltage | V _{OL} | 0 | - | 0.4 | V |
| Supply Current | I _{DD} | - | 6 | 8 | mA |
| LCD Driving Voltage | V _{DD} -V _O | - | 11 | - | V |

LED BACKLIGHT SPECIFICATIONS (Ta=25)

| Item | Forward Voltage | Forward Current |
|--------------|-----------------|-----------------|
| YELLOW-GREEN | 4.1V | 210mA |
| White | 3.1V | 75mA |