

 <b>Integrated Solutions Technology, Inc.</b>	<b>Title</b>  <b>IST3028 Specification</b>  120-output LCD Common Gate Driver IC	文件編號 DOC#	版次 Rev
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# Specification

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# IST3028

## 120-output LCD Common Gate Driver IC

### DESCRIPTION

The IST3028 is a 120-output common gate driver IC and suitable for driving medium/large size dot matrix LCD panels. The IST3028 provides function for both single and dual mode operations, also suitable for a low power consumption, and high-precision LCD.

### FEATURES

- Number of LCD drive outputs: 120
- Supply voltage for the logic system: +2.5 to +5.5 V
- Supply voltage for LCD drive: +10.0 to + 40.0 V
- Low power consumption
- Low output impedance
- Operating temperature: -20 to +85°C
- Shift clock frequency : 4 MHz(MAX.)
- Built-in 120-bit bi-directional shift register  
(Divisible by 60 bits x 2)
- Available in a single mode (120-bit shift register)  
or in a dual mode(60-bit shift register x 2)

(1)  $Y_1 \rightarrow Y_{120}$  Single mode

(2)  $Y_{120} \rightarrow Y_1$  Single mode

(3)  $Y_1 \rightarrow Y_{60}$ ,  $Y_{61} \rightarrow Y_{120}$  Dual mode

(4)  $Y_{120} \rightarrow Y_{61}$ ,  $Y_{60} \rightarrow Y_1$  Dual mode

- Shift register circuits may reset by active /DISPOFF

Package : TCP/Gold Bumped Chip