

H0118 Binning Interface



The binning interface option H0118 within the HM8118 enables the LCR bridge to control an external binning hardware in order to physically sort components according to the measurement result and the user defined limits. Data lines for eight sorting bins are provided, as well as output and input control lines (ALARM, INDEX, EOM, and TRIG). This option is useful for production testing, component matching or other tests where similar components must be compared to each other. The binning feature is an automatic process which simplifies the sorting, eliminating the need to manually compare the parameters. A maximum of 9 binning configurations can be set using the store/recall feature. Binning configurations can also be entered using the communication interface.

Technical Specifications

I/O Connector:	D-Sub 25 socket
Output signal:	Negative TRUE, OC (open collector), opto-isolated, selectable pull-ups. I_{max} 15mA @ $V_{ce} < 1V$, V_{ce} max.: 40V pass bins: BIN 0...5 for primary parameter fail bins: BIN 6 for secondary parameter BIN 7 for general failure bin
Index:	Analog measurement complete
EOM:	Full measurement complete
Alarm:	Notification that an error was detected
TRIG:	External opto-isolated trigger input, selectable pull-up, V_{max} 15V, falling edge, pulse width $> 10\mu s$