



TABLE 1 NO. OF LEDs AND DUTY CYCLE

No. of I/O lines	Multiplexing-controlled LEDs	Duty cycle with multiplexing (%)	Charlieplexing-controlled LEDs	Duty cycle with Charlieplexing (%)
Two	Two	100	Two	50
Three	Three	100	Six	16.67
Four	Four	50	12	8.33
Five	Six	50	20	5
Six	Nine	33	30	3.33
Seven	12	33	42	2.4
Eight	16	25	56	1.78
Nine	20	25	72	1.38
10	25	20	90	1.11

