

TABLE 1—VARIOUS KEY-READING SCHEMES

	No. of keys	No. of pins	Notes
Figure 1	N	No. of pins	16 pins=16 keys
Figure 2	N	N/8	With ADC, 16 keys=two pins
Figure 3	$N_{IN} \times N_{OUT}$	$N_{IN} + N_{OUT}$	16 keys=eight pins (four inputs and four outputs)
Figure 4	N	N	16 keys=five pins (four more keys available)