



Table 3. Converter Function Select

	C3	C2	C1	C0	FUNCTION	INPUT TO A/D CONVERTER	X-DRIVERS	Y-DRIVERS	ACK	REFERENCE MODE
	0	0	0	0	Measure TEMP0	TEMP0	OFF	OFF	Y	Single-Ended
	0	0	0	1	Reserved	N/A	OFF	OFF	N	Single-Ended
	0	0	1	0	Measure AUX	AUX	OFF	OFF	Y	Single-Ended
	0	0	1	1	Reserved	N/A	OFF	OFF	N	Single-Ended
	0	1	0	0	Measure TEMP1	TEMP1	OFF	OFF	Y	Single-Ended
	0	1	0	1	Reserved	N/A	OFF	OFF	N	Single-Ended
	0	1	1	0	Reserved	N/A	OFF	OFF	N	Single-Ended
	0	1	1	1	Reserved	N/A	OFF	OFF	N	Single-Ended
①	1	0	0	0	Activate X-drivers	N/A	ON	OFF	Y	Differential
③	1	0	0	1	Activate Y-drivers	N/A	OFF	ON	Y	Differential
	1	0	1	0	Activate Y+, X-drivers	N/A	X- ON	Y+ ON	Y	Differential
	1	0	1	1	Setup command ⁽¹⁾	N/A	OFF	OFF	N	N/A
②	1	1	0	0	Measure X position	Y+	ON	OFF	Y	Differential
④	1	1	0	1	Measure Y position	X+	OFF	ON	Y	Differential
	1	1	1	0	Measure Z1 position	X+	X- ON	Y+ ON	Y	Differential
	1	1	1	1	Measure Z2 position	Y-	X- ON	Y+ ON	Y	Differential

<Command sequence>

- ① : Active X driver
- ② : Measure X position
- ③ : Active Y driver
- ④ : Measure Y position