

## i.MX Pin Mux Tool vs datasheet

BALL	PAD NAME	POWER GROUP	DEFAULT MODE	ALT0 MODE	ALT1 MODE	ALT2 MODE	ALT3 MODE
D22	KEY_COL6	NVCC_GPIO	ALT5	kpp.KEY_COL6	uart4.UART4_RX_DATA	lcd.LCD_DATA12	eim.EIM_AD1
C23	KEY_COL7	NVCC_GPIO	ALT5	kpp.KEY_COL7	uart4.UART4_RTS_B	lcd.LCD_DATA14	eim.EIM_AD1
G24	KEY_ROW0	NVCC_GPIO	ALT5	kpp.KEY_ROW0	i2c2.I2C2_SDA	lcd.LCD_DATA01	eim.EIM_ADD
F24	KEY_ROW1	NVCC_GPIO	ALT5	kpp.KEY_ROW1	ecspi4.ECSPH4_MISO	lcd.LCD_DATA03	eim.EIM_ADD
E24	KEY_ROW2	NVCC_GPIO	ALT5	kpp.KEY_ROW2	ecspi4.ECSPH4_SCLK	lcd.LCD_DATA05	eim.EIM_ADD
E21	KEY_ROW3	NVCC_GPIO	ALT5	kpp.KEY_ROW3	audmux.AUD6_RXC	lcd.LCD_DATA07	eim.EIM_ADD
E19	KEY_ROW4	NVCC_GPIO	ALT5	kpp.KEY_ROW4	audmux.AUD6_TXC	lcd.LCD_DATA09	eim.EIM_ADD
D23	KEY_ROW5	NVCC_GPIO	ALT5	kpp.KEY_ROW5	audmux.AUD6_TXD	lcd.LCD_DATA11	eim.EIM_AD1
C24	KEY_ROW6	NVCC_GPIO	ALT5	kpp.KEY_ROW6	uart4.UART4_TX_DATA	lcd.LCD_DATA13	eim.EIM_AD1
B24	KEY_ROW7	NVCC_GPIO	ALT5	kpp.KEY_ROW7	uart4.UART4_CTS_B	lcd.LCD_DATA15	eim.EIM_AD1
T22	LCD_CLK	NVCC_LCD	ALT5	lcd.LCD_CLK	usdhc4.SD4_DATA4	lcd.LCD_WR_RWN	eim.EIM_RW
Y24	LCD_DATA00	NVCC_LCD	ALT5	lcd.LCD_DATA00	ecspi1.ECSPH1_MOSI	usb.USB_OTG2_ID	pwm1.PWM1
W23	LCD_DATA01	NVCC_LCD	ALT5	lcd.LCD_DATA01	ecspi1.ECSPH1_MISO	usb.USB_OTG1_ID	pwm2.PWM2
W24	LCD_DATA02	NVCC_LCD	ALT5	lcd.LCD_DATA02	ecspi1.ECSPH1_SS0	epit2.EPIT2_OUT	pwm3.PWM3
V23	LCD_DATA03	NVCC_LCD	ALT5	lcd.LCD_DATA03	ecspi1.ECSPH1_SCLK	uart5.UART5_DSR_B	pwm4.PWM4
V24	LCD_DATA04	NVCC_LCD	ALT5	lcd.LCD_DATA04	ecspi1.ECSPH1_SS1	csi.CSI_VSYNC	wdog2.WDOG
U21	LCD_DATA05	NVCC_LCD	ALT5	lcd.LCD_DATA05	ecspi1.ECSPH1_SS2	csi.CSI_HSYNC	eim.EIM_CS3
U23	LCD_DATA06	NVCC_LCD	ALT5	lcd.LCD_DATA06	ecspi1.ECSPH1_SS3	csi.CSI_PIXCLK	eim.EIM_DAT
U24	LCD_DATA07	NVCC_LCD	ALT5	lcd.LCD_DATA07	ecspi1.ECSPH1_RDY	csi.CSI_MCLK	eim.EIM_DAT
T23	LCD_DATA08	NVCC_LCD	ALT5	lcd.LCD_DATA08	kpp.KEY_COL0	csi.CSI_DATA09	eim.EIM_DAT
T24	LCD_DATA09	NVCC_LCD	ALT5	lcd.LCD_DATA09	kpp.KEY_ROW0	csi.CSI_DATA08	eim.EIM_DAT
R23	LCD_DATA10	NVCC_LCD	ALT5	lcd.LCD_DATA10			
R24	LCD_DATA11	NVCC_LCD	ALT5	lcd.LCD_DATA11			
P23	LCD_DATA12	NVCC_LCD	ALT5	lcd.LCD_DATA12			
P24	LCD_DATA13	NVCC_LCD	ALT5	lcd.LCD_DATA13			
N21	LCD_DATA14	NVCC_LCD	ALT5	lcd.LCD_DATA14			
N23	LCD_DATA15	NVCC_LCD	ALT5	lcd.LCD_DATA15			
N24	LCD_DATA16	NVCC_LCD	ALT5	lcd.LCD_DATA16			
M22	LCD_DATA17	NVCC_LCD	ALT5	lcd.LCD_DATA17			
M23	LCD_DATA18	NVCC_LCD	ALT5	lcd.LCD_DATA18			
M24	LCD_DATA19	NVCC_LCD	ALT5	lcd.LCD_DATA19			
L23	LCD_DATA20	NVCC_LCD	ALT5	lcd.LCD_DATA20			
L24	LCD_DATA21	NVCC_LCD	ALT5	lcd.LCD_DATA21			

### Package Information and Contact Assignments

Table 73. 13 x 13 mm Functional Contact Assignments (continued)

Ball Name	Ball	Power Group <sup>1</sup>	Ball Type	Out of Reset Condition <sup>2</sup>			
				Default Mode (Reset Mode)	Default Function	Input/Output	Value <sup>3</sup>
KEY_ROW7	B24	NVCC33_IO NVCC18_IO	GPIO	ALT5	GPIO4_GPIO[7]	Input	Keeper
LCD_CLK	T22	NVCC33_IO NVCC18_IO	GPIO	ALT5	GPIO2_GPIO[15]	Input	Keeper
LCD_DAT0	Y24	NVCC33_IO NVCC18_IO	GPIO	ALT5	GPIO2_GPIO[20]	Input	Keeper
LCD_DAT1	W23	NVCC33_IO NVCC18_IO	GPIO	ALT5	GPIO2_GPIO[21]	Input	Keeper