Pin Number	Pin Name	KiCAD Label	Identifier	Trademark	Reference	Pin Number	Pin name	Type	Description and observations
	AW60		**Device**						
1	PTC4		KPAD-COL1		4x4 MATRIX KEYPAD	5		Output	KEYPAD REF. OUTPUT
2	IRQ								
3	~RESET		PROGRAMMER	FREESCALE	USBDM JS16CWJ V1.0		RESET	Temporary Input	RESET
4	PTF0/TPM1CH2		KPAD-COL2		4x4 MATRIX KEYPAD	6		Output	KEYPAD REF. OUTPUT
5	PTF1/TPM1CH3								
6	PTF4/TPM2CH0								
7	PTF5/TPM2CH1								
8	PTE0/TxD1								
9	PTE1/RxD1								
10	PTE2/TPM1CH0								
11	PTE3/TPM1CH1								
12	PTE4/~SS1								
13	PTE5/MISO1								
14	PTE6/MOSI1								
15	PTE7/SPSCK1								
16	VSS		GND					Power	GROUND
17	VDD		HIGH					Power	HIGH INPUT VOLTAGE
18	PTG0/KBI1P0								
19	PTG1/KBI1P1		KPAD-ROW1		4x4 MATRIX KEYPAD	1		Input	KBI INPUT
20	PTG2/KBI1P2		KPAD-ROW2		4x4 MATRIX KEYPAD	2		Input	KBI INPUT
21	PTA0		KPAD-COL3		4x4 MATRIX KEYPAD	7		Output	KEYPAD REF. OUTPUT
22	PTA1		KPAD-COL4		4x4 MATRIX KEYPAD	8		Output	KEYPAD REF. OUTPUT
23	PTB0/AD1P0		LCD-A	NAN YA PLASTICS CORP	LMM83T064D3	15	A	Output	LCD ANODE
24	PTB1/AD1P1		DB7	NAN YA PLASTICS CORP	LMM83T064D3	14	DB7	Output	LCD DATA BIT
25	PTB2/AD1P2		DB6	NAN YA PLASTICS CORP	LMM83T064D3	13	DB6	Output	LCD DATA BIT
26	PTB3/AD1P3		DB5	NAN YA PLASTICS CORP	LMM83T064D3	12	DB5	Output	LCD DATA BIT
27	PTD0/AD1P8		DB4	NAN YA PLASTICS CORP	LMM83T064D3	11	DB4	Output	LCD DATA BIT
28	PTD1/AD1P9		DB3	NAN YA PLASTICS CORP	LMM83T064D3	10	DB3	Output	LCD DATA BIT
29	VDDAD		HIGH					Power	HIGH INPUT VOLTAGE
30	VSSAD		GND					Power	GROUND
31	PTD2/KBI1P5/AD1P10		KPAD-ROW3		4x4 MATRIX KEYPAD	3		Input	KBI INPUT
32	PTD3/KBI1P6/AD1P11		KPAD-ROW4		4x4 MATRIX KEYPAD	4		Input	KBI INPUT
33	PTG3/KBI1P3		DB2	NAN YA PLASTICS CORP	LMM83T064D3	9	DB2	Output	LCD DATA BIT
34	VREFH		HIGH					Power	HIGH INPUT VOLTAGE
35	VREFL		GND					Power	GROUND
36	BKGD/MS		PROGRAMMER	FREESCALE	USBDM JS16CWJ V1.0		BKGD	Temporary Input	BACKGROUND DEBUG
37	PTG5/XTAL		DB1	NAN YA PLASTICS CORP	LMM83T064D3	8	DB1	Output	LCD DATA BIT
38	PTG6/EXTAL		DB0	NAN YA PLASTICS CORP	LMM83T064D3	7	DB0	Output	LCD DATA BIT
39	VSS		GND					Power	GROUND
40	PTC0/SCL1								
41	PTC1/SDA1								
42	PTC2/MCLK		LCD-E	NAN YA PLASTICS CORP	LMM83T064D3	6	E	Output	LCD ENABLE SIGNAL
43	PTC3/TxD2		LCD-RW	NAN YA PLASTICS CORP	LMM83T064D3	5	R/W	Output	READ/WRITE
44	PTC5/RxD2		LCD-RS	NAN YA PLASTICS CORP	LMM83T064D3	4	RS	Output	REGISTER SELECT

Available pins	Used pins	Total pins
15	29	44

Used Pins
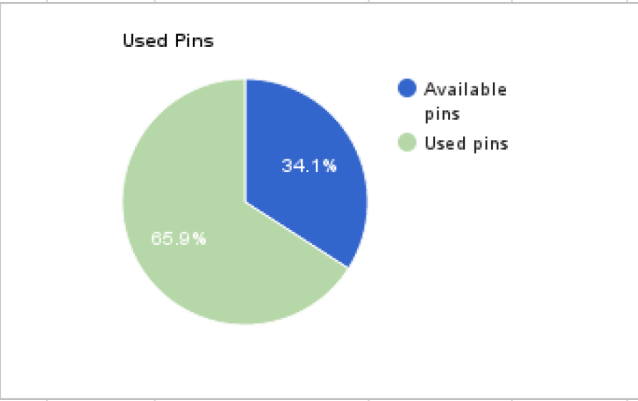
Inputs	Outputs	Temporary Inputs	References	Unused	Total
4	16	2	7	15	44

Pin Statistics