Mimas A7 Mini GPIO Easy Reference

GPIO Header P4

PIN NO.ON HEADER	Pin Description	Artix-7 (XC7A35T - FTG256)	PIN NO.ON HEADER	Pin Description	Artix-7 (XC7A35T - FTG256)
2	NA	VCCIO	1	NA	GND
4	IO_L13P_T2_MRCC_15	E12	3	IO_L13N_T2_MRCC_15	E13
6	IO_L17P_T2_A26_15	E16	5	IO_L17N_T2_A25_15	D16
8	IO_L18P_T2_A24_15	F15	7	IO_L18N_T2_A23_15	E15
10	IO_L21P_T3_DQS_15	G14	9	IO_L21N_T3_DQS_A18_15	F14
12	IO_L23P_T3_FOE_B_15	J15	11	IO_L23N_T3_FWE_B_15	J16
14	IO_L24P_T3_RS1_15	H14	13	IO_L24N_T3_RS0_15	G15
16	IO_L16P_T2_A28_15	F12	15	IO_L16N_T2_A27_15	F13
18	IO_L20P_T3_A20_15	H12	17	IO_L20N_T3_A19_15	H13
20	IO_L19P_T3_A22_15	H11	19	IO_L19N_T3_A21_VREF_15	G12
22	IO_L6P_T0_34	M5	21	IO_L6N_T0_VREF_34	N4
24	IO_L9P_T1_DQS_34	T4	23	IO_L9N_T1_DQS_34	T3
26	IO_L8P_T1_34	R3	25	IO_L8N_T1_34	T2
28	IO_L5P_T0_34	P4	27	IO_L5N_T0_34	P3
30	IO_L7P_T1_34	R2	29	IO_L7N_T1_34	R1
32	IO_L3P_T0_DQS_34	N3	31	IO_L3N_T0_DQS_34	N2
34	IO_L2P_T0_34	M2	33	IO_L2N_T0_34	M1
36	IO_L4P_T0_34	N1	35	IO_L4N_T0_34	P1
38	IO_L1P_T0_34	L4	37	IO_L1N_T0_34	M4
40	NA	VCCIO	39	NA	GND

GPIO Header P5

PIN NO.ON HEADER	Pin Description	Artix-7 (XC7A35T - FTG256)	PIN NO.ON HEADER	Pin Description	Artix-7 (XC7A35T - FTG256)
2	NA	GND	1	NA	VCC
4	IO_L15N_T2_DQS_ADV_B_15	D15	3	IO_L15P_T2_DQS_15	D14
6	IO_L8N_T1_AD10N_15	B14	5	IO_L8P_T1_AD10P_15	C14
8	IO_L12N_T1_MRCC_15	C13	7	IO_L12P_T1_MRCC_15	D13
10	IO_L11N_T1_SRCC_15	C12	9	IO_L11P_T1_SRCC_15	C11
12	IO_L22N_T3_A16_15	G16	11	IO_L22P_T3_A17_15	H16
14	IO_25_15	G11	13	IO_0_15	D10
16	IO_L10N_T1_AD11N_15	B16	15	IO_L10P_T1_AD11P_15	C16
18	IO_L9N_T1_DQS_AD3N_15	A15	17	IO_L9P_T1_DQS_AD3P_15	B15
20	IO_L14N_T2_SRCC_15	D11	19	IO_L14P_T2_SRCC_15	E11
22	NA	GND	21	NA	GND
24	IO_L4N_T0_15	B11	23	IO_L4P_T0_15	B10
26	IO_L1N_T0_AD0N_15	C9	25	IO_L1P_T0_AD0P_15	C8
28	IO_L6N_T0_VREF_15	D9	27	IO_L6P_T0_15	D8
30	IO_L7N_T1_AD2N_15	A14	29	IO_L7P_T1_AD2P_15	A13
32	IO_L5N_T0_AD9N_15	A12	31	IO_L5P_T0_AD9P_15	B12
34	IO_L3N_T0_DQS_AD1N_15	A10	33	IO_L3P_T0_DQS_AD1P_15	B9
36	IO_L2N_T0_AD8N_15	A9	35	IO_L2P_T0_AD8P_15	A8
38	IO_L10N_T1_34	P5	37	IO_0_34	L5
40	NA	GND	39	NA	VCC

Expansion Header P7

PIN NO.ON HEADER	Pin Description	Artix-7 (XC7A35T - FTG256)	PIN NO.ON HEADER	Pin Description	Artix-7 (XC7A35T - FTG256)
6	NA	VCC	12	NA	VCC
5	NA	GND	11	NA	GND
4	IO_L22N_T3_A04_D20_14	T10	10	IO_L24N_T3_A00_D16_14	R7
3	IO_L22P_T3_A05_D21_14	T9	9	IO_L24P_T3_A01_D17_14	R6
2	IO_L14N_T2_SRCC_14	P11	8	IO_L23N_T3_A02_D18_14	T5
1	IO_L14P_T2_SRCC_14	P10	7	IO_L23P_T3_A03_D19_14	R5

Expansion Header P10

PIN NO.ON HEADER	Pin Description	Artix-7 (XC7A35T - FTG256)	PIN NO.ON HEADER	Pin Description	Artix-7 (XC7A35T - FTG256)
6	NA	VCC	12	NA	VCC
5	NA	GND	11	NA	GND
4	IO_L6N_T0_D08_VREF_14	M12	10	IO_L20N_T3_A07_D23_14	R8
3	IO_L5N_T0_D07_14	L13	9	IO_L20P_T3_A08_D24_14	P8
2	IO_L11N_T1_SRCC_14	P13	8	IO_L18N_T2_A11_D27_14	P9
1	IO_L11P_T1_SRCC_14	N13	7	IO_L18P_T2_A12_D28_14	N9