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**Z86D9900100ZDH*****OTP Programming Adapter*****PUG000401-0900****Product User Guide**

## Overview

Z86D9900100ZDH is a programming adapter that converts 48-SSOP Z86D990HZ008SC into a 40-PDIP Z86D990PZ008SC pinout. It can be used as a general adapter to prototype a 48-SSOP package on a 40-PDIP footprint.

This adapter can also be used to program a 48-SSOP Z86D990HZ008SC with the 40-PDIP programming adapter (99C0716-001) on the Z86L9900100ZEM. To filter noise while programming, the on-board capacitors are connected when the three jumpers on Z86D9900100ZDH are closed.

Schematics are attached.

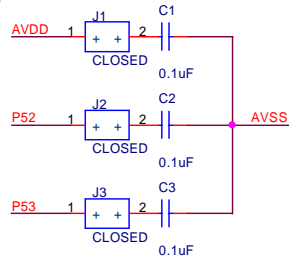
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U1			
XTAL2	15	XTAL2	14
XTAL1	16	XTAL1	32
		VDD	VDD
		VSS	VSS
P27	5	P27	11
P26	4	P26	10
P25	3	P25	9
P24	38	P24	8
P23	37	P23	33
P22	36	P22	31
P21	35	P21	30
P20	34	P20	29
VREF+	12	VREF+	
VREF-	7	VREF-	
AVSS	6	AVSS	24
AVDD	13	AVDD	23
		P67	P66
		P66	P65
		P65	P64
		P64	P63
P57	26	P57	1
P56	27	P56	40
P55	25	P55	39
P54	20	P54	
P53	19	P53/CREF2	
P52	18	P52/CIN2	
P51	17	P51/CIN1	
P50	28	P50/CREF1	

U2			
P62	1	P61	48
P63	2	P60	47
P25	3	P24	46
P26	4	P23	45
P27	5	P22	44
NC	6	NC	43
AVSS	7	NC	42
VREF-	8	NC	41
P44	9	P20	40
P45	10	P43	39
P46	11	VSS	38
P47	12	VSS	37
VREF+	13	VREF+	36
AVDD	14	AVDD	35
VDD	15	VDD	34
XTAL2	16	VDD	33
XTAL1	17	P50	32
NC	18	P56	31
P51	19	NC	30
P52	20	NC	29
P53	21	P57	28
P54	22	P55	27
P64	23	P67	26
		P66	25
		P65	

Z86D99 - 48 Pin



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