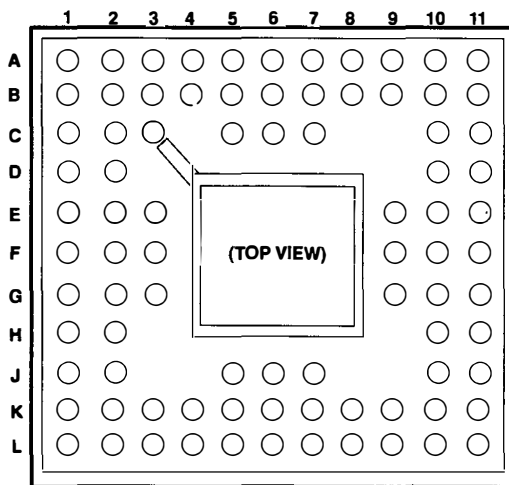


TPC10 SERIES CMOS FIELD-PROGRAMMABLE GATE ARRAYS

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package pin assignments (continued)



I/O Pin Assignments for the 84-Pin Ceramic Pin Grid Array Package

SIGNAL	TPC1010A	TPC1020A
PRA	A11	A11
PRB	B10	B10
MODE	E11	E11
SDI	B11	B11
DCLK	C10	C10
V _{PP}	K2	K2
CLK or I/O	F9	F9
GND	B7, E2, E3, K5, F10, G10	B7, E2, E3, K5, F10, G10
V _{CC}	B5, F1, G2, K7, E9, E10	B5, F1, G2, K7, E9, E10
NC (No internal connection)	B1, B2, C1, C2, K1, J2, L1, J10, K10, K11, C11, D10, D11	B2

- NOTES: A. All pins marked GND are ground connections and must be connected to circuit ground
 B. V_{PP} must be terminated to V_{CC} except during programming.
 C. PRA and PRB, the diagnostic probe outputs, should remain open if not used as I/Os
 D. MODE must be terminated to circuit ground except during programming.†
 E. SDI and DCLK should be terminated to circuit ground during normal operation if not used as I/Os.†
 F. Unused I/O pins are automatically designated by the Action Logic System as outputs and should remain unconnected. Unused I/O pins are driven low by design.
 G. All unidentified pins on the pin assignment drawings are standard I/Os.
 H. Orientation pin C3 is connected internally to pin C2.

† The security fuse must be programmed for SDI and DCLK to function as I/Os. For device debugging on the user's circuit board, MODE, SDI, and DCLK should be terminated to circuit ground through a 10-kΩ (or greater) resistor. They can be tied to ground if not debugging.

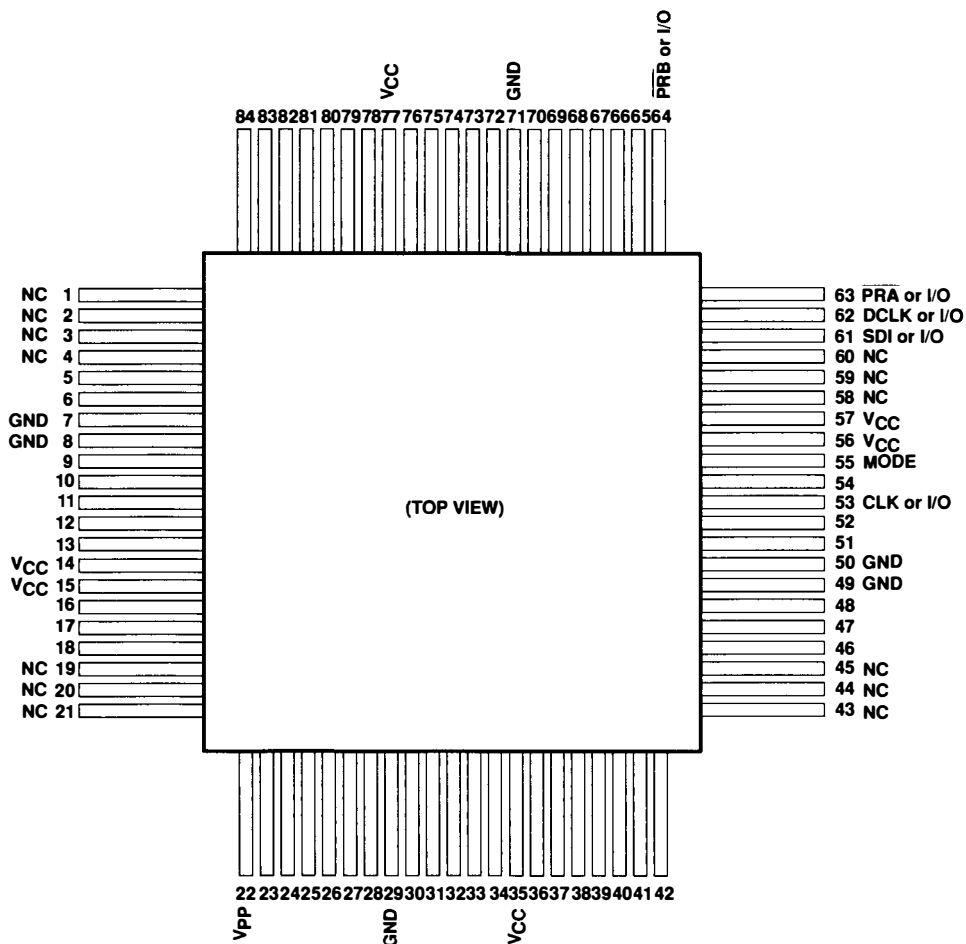
Figure 38. 84-Pin CPGA Pin Assignment

TL1494NSR	23480	新环保批次	SOP16
BC2048	23480	新环保批次	QFN
TCM9104CPMR	23480	新环保批次	SOP-
TCM9108APTAR/697/3CR3A	23480	新环保批次	QFP64
TCM9100N	23480	新环保批次	DIP20
TCM9102N	23480	新环保批次	
TCM9101DW	23480	新环保批次	
TCM9108APMR	23480	新环保批次	
TCM9105BPMR	23480	新环保批次	NA
TCM9108APEGA	23480	新环保批次	QFP
V6002	23480	新环保批次	SOP8
XC3S1400A-FG484	23480	新环保批次	BGA
PS54326	23480	新环保批次	HTSSOP16
PS54325PW	23480	新环保批次	TSSOP14
CS241C073PNTRQ1	23480	新环保批次	TQFP100
CS241C065PNTRQ1	23480	新环保批次	TQFP100
CS241C046PNTRQ1	23480	新环保批次	TQFP
CS241C075PNTRQ1	23480	新环保批次	TQFP100
CS241C082PNTRQ1	23480	新环保批次	TQFP100
CS241C076PNTRQ1	23480	新环保批次	TQFP100
CS241C067PNTRQ1	23480	新环保批次	TQFP100
CS241C079PNTRQ1	23480	新环保批次	TQFP100
CS246C029PZ-TRQ1	23480	新环保批次	TQFP
CS249C009PZ-TRSV	23480	新环保批次	TQFP
CS249C014PZ-TRSV	23480	新环保批次	TQFP
CS249C007PZ-TRSV	23480	新环保批次	TQFP
CS241C028PNTR01	23480	新环保批次	QFP
CS249C008PZ-TRSV	23480	新环保批次	TQFP
CS249C014PZ-T	23480	新环保批次	TQFP100
CS242C001PZ-T	23480	新环保批次	TQFP100
CS241C058PNTRQ1	23480	新环保批次	TQFP
CS241C036PNTRQ1	23480	新环保批次	TQFP

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package pin assignments (continued)



- NOTES: A. All pins marked GND are ground connections and must be connected to circuit ground.
 B. Vpp must be terminated to VCC except during programming.
 C. PRA and PRB, the diagnostic probe outputs, should remain open if not used as I/Os
 D. MODE must be terminated to circuit ground except during programming.†
 E. SDI and DCLK should be terminated to circuit ground during normal operation if not used as I/Os.†
 F. Unused I/O pins are automatically designated by the Action Logic System as outputs and should remain unconnected. Unused I/O pins are driven low by design.
 G. All unidentified pins on the pin assignment drawings are standard I/Os.
 H. NC = No internal connection

† The security fuse must be programmed for SDI and DCLK to function as I/Os. For device debugging on the user's circuit board, MODE, SDI, and DCLK should be terminated to circuit ground through a 10-kΩ (or greater) resistor. They can be tied to ground if not debugging.

Figure 39. TPC1010A 84-Pin CQFP Pin Assignment

TPS79625DCQRG4	23480	新环保批次	SOT223-5
TPS79633QDCQRG4	23480	新环保批次	SOT223-5
TPS79601DRBR	23480	新环保批次	SON-8
TPS79650DRBR	23480	新环保批次	SON-8
TPS79650KTT	23480	新环保批次	TO2635
TPS79650DCQR	23480	新环保批次	SOT2235
TPS79650KTTRG3	23480	新环保批次	TO2635
TPS79650DCQRG4	23480	新环保批次	SOT2235
TPS79625KTTTG3	23480	新环保批次	TO2635
TPS79625KTTRG3	23480	新环保批次	TO2635
TPS79601KTTRG3	23480	新环保批次	TO2635
TPS79633KTTTG3	23480	新环保批次	TO2635
TPS79601DRBRG4	23480	新环保批次	SON-8
TPS79625DCQ	23480	新环保批次	SOT-223
TPS79633KTTT	23480	新环保批次	TO263-5
TPS79628DRBRG4	23480	新环保批次	SON
TPS79601DRB	23480	新环保批次	QFN
TPS79630DCQR	23480	新环保批次	SOT223
TPS79633QDCQRQ1	23480	新环保批次	SOT223-5
TPS79618DCQR	23480	新环保批次	SOT223-5
TPS79618DCQ	23480	新环保批次	SOT-223
TPS79628DRB	23480	新环保批次	QFN8
TPS79618	23480	新环保批次	TO5
TPS79630	23480	新环保批次	TO5
TPS79628DRBT	23480	新环保批次	DFN-8
TPS79628DRBT/AMI	23480	新环保批次	QFN
TPS79613KTTR	23480	新环保批次	TO263-5
TPS79618KTTT	23480	新环保批次	DDPAK-5
TPS79625DCQG4	23480	新环保批次	SOT223-5
TPS79633-Q1	23480	新环保批次	SOT223-6
TPS79625KTTR	23480	新环保批次	SOT23-5
TPS79618KTT	23480	新环保批次	TO-263