TEXAS INSTRUMENTS
COMMERCIAL PROGRAMMABLELOGIC DEVICES

CROSS REFERENCE GUIDE

Texas Instruments remains fully committed to the bipolar PLD market. TI has been a constant and reliable supplier to this market for over 18 years. Our commitment to this business is demonstrated by continually making process and product improvements to our PLD product families. These improvements better position us to continue to competitively support this business well into the future.

http://www.ti.com/sc/docs/pld/tipld.htm

Direct Replacements

AMD Part Number	Texas Instruments Part Number
PAL16xx-5JC	TIBPAL16xx-5CFN (xx=L8,R4,R6,R8)
PAL16xx-5PC	TIBPAL16xx-5CN
PAL16xx-7DC	TIBPAL16xx-7CJ
PAL16xx-7JC	TIBPAL16xx-7CFN
PAL16xx-7PC	TIBPAL16xx-7CN
PAL16xxACJ	TIBPAL16xx-25CJ
PAL16xxACN	TIBPAL16xx-25CN
PAL16xxACNL	TIBPAL16xx-25CFN
PAL16xxBCJ	TIBPAL16xx-15CJ
PAL16xxBCN	TIBPAL16xx-15CN
PAL16xxBCNL	TIBPAL16xx-15CFN
PAL16xxD/2JC	TIBPAL16xx-10CFN
PAL16xxD/2PC	TIBPAL16xx-10CN
PAL20xx10/2JC	TIBPAL20xx-10CFN
PAL20xx10/2PC	TIBPAL20xx-10CNT
PAL20xx-5JC	TIBPAL20xx-5CFN
PAL20xx-5PC	TIBPAL20xx-5CNT
PAL20xx-7DC	TIBPAL20xx-7CJ
PAL20xx-7JC	TIBPAL20xx-7CFN
PAL20xx-7PC	TIBPAL20xx-7CNT
PAL20xxACNS	TIBPAL20xx-25CNT
PAL20xxBJCS	TIBPAL20xx-25CJT
PAL20xxBCNS	TIBPAL20xx-15CNT
PAL20xxBJCS	TIBPAL20xx-15CJT
AMPAL22V10AJC	TIBPAL22V10-25CFN
AMPAL22V10APC	TIBPAL22V10-25CNT
PAL22V10-10JC	TIBPAL22V10-10CFN
PAL22V10-10PC	TIBPAL22V10-10CNT
PAL22V10-15JC	TIBPAL22V10-15BCFN
PAL22V10-15PC	TIBPAL22V10-15BCNT
PAL22V10-7JC	TIBPAL22V10-7CFN
PAL22V10-7PC	TIBPAL22V10-7CNT
PALCE22V10Z-25JC	TICPAL22V10Z-25CFN
PALCE22V10Z-25PC	TICPAL22V10Z-25CNT
PALCE22V10H-25JC	TICPAL22V10Z-25CFN
PALCE22V10H-25PC	TICPAL22V10Z-25CNT

Direct Replacements

Cypress Part Number	Texas Instruments Part Number
PAL16xx-5JC	TIBPAL16xx-5CFN
PAL16xx-5PC	TIBPAL16xx-5CN
PAL16xx-7JC	TIBPAL16xx-7CFN
PAL16xx-7PC	TIBPAL16xx-7CN
PAL22V10C-7JC	TIBPAL22V10-7CFN
PAL22V10C-7PC	TIBPAL22V10-7CNT
PAL22V10C-10JC	TIBPAL22V10-10CFN
PAL22V10C-10PC	TIBPAL22V10-10CNT
PALC22V10C-25JC	TICPAL22V10Z-25CFN
PALC22V10C-25PC	TICPAL22V10Z-25CNT

Philips Part Number	Texas Instruments Part Number
PLUS16xx-7A	TIBPAL16xx-7CFN
PLUS16xx-7N	TIBPAL16xx-7CN
PLUS16xxDA	TIBPAL16xx-10CFN
PLUS16xxDN	TIBPAL16xx-10CN
PLUS20xx-7A	TIBPAL20xx-7CFN
PLUS20xx-7N	TIBPAL20xx-7CNT
PLUS20xxDA	TIBPAL20xx-10CFN
PLUS20xxDN	TIBPAL20xx-10CNT
ABT22V10-7A	TIBPAL22V10-7CFN
ABT22V10-7N	TIBPAL22V10-7CNT
PLS167A	TIB82S167BCFN
PLS167N	TIB82S167BCNT
PLS167AA	TIB82S167BCFN
PLS167AN	TIB82S167BCNT
PLUS105-45A	TIB82S105BCFN
PLUS105-45N	TIB82S105BCNT

Lattice Part Number	Texas Instruments Part Number
GAL22V10B-25LJ	TICPAL22V10Z-25CFN
GAL22V10B-25LP	TICPAL22V10Z-25CNT

Atmel Part Number	Texas Instruments Part Number
AT22V10-25JC	TICPAL22V10Z-25CFN
AT22V10-25PC	TICPAL22V10Z-25CNT
ATF22V10B-25JC	TICPAL22V10Z-25CFN
ATF22V10B-25PC	TICPAL22V10Z-25CNT

Functional Equivalent Replacement *

AMD Part Number	Texas Instruments Part Number
PAL16xxB-2CJ	TIBPAL16xx-25CJ (xx=L8,R4,R6,R8)
PAL16xxB-2CN	TIBPAL16xx-25CN
PAL16xxB-2CNL	TIBPAL16xx-25CFN
PAL16xxB-4CJ	TIBPAL16xx-15CJ
PAL16xxB-4CN	TIBPAL16xx-15CN
PAL16xxB-4CNL	TIBPAL16xx-15CFN
PAL20L8B-2CNS	TIBPAL20L8-25CN
PAL20L8B-2CFN	TIBPAL20L8-25CFN
PAL20L8B-2CJS	TIBPAL20L8-25CJT
PALCE22V10Q-25JC	TICPAL22V10Z-25CFN
PALCE22V10Q-25PC	TICPAL22V10Z-25CNT

Functional Equivalent Replacement *

Philips Part Number	Texas Instruments Part Number
PL22V10-10A	TIBPAL22V10-10CFN
PL22V10-10N	TIBPAL22V10-10CNT
PL22V10-15A	TIBPAL22V10-15CFN
PL22V10-15N	TIBPAL22V10-15CNT

Lattice Part Number	Texas Instruments Part Number
GAL22V10B-7LJ	TIBPAL22V10-7CFN
GAL22V10B-7LP	TIBPAL22V10-7CNT
GAL22V10B-10LJ	TIBPAL22V10-10CFN
GAL22V10B-10LP	TIBPAL22V10-10CNT
GAL22V10B-15LJ	TIBPAL22V10-15CFN
GAL22V10B-15LP	TIBPAL22V10-15CNT

Atmel Part Number	Texas Instruments Part Number
AT22V10B-7JC	TIBPAL22V10-7CFN
AT22V10B-7PC	TIBPAL22V10-7CNT
ATF22V10B-7JC	TIBPAL22V10-7CFN
ATF22V10B-7PC	TIBPAL22V10-7CNT
AT22V10B-10JC	TIBPAL22V10-10CFN
AT22V10B-10PC	TIBPAL22V10-10CNT
ATF22V10B-10JC	TIBPAL22V10-10CFN
ATF22V10B-10PC	TIBPAL22V10-10CNT
AT22V10-15JC	TIBPAL22V10-15CFN
AT22V10-15PC	TIBPAL22V10-15CNT
ATF22V10B-15JC	TIBPAL22V10-15CFN
ATF22V10B-15PC	TIBPAL22V10-15CNT
AT22V10L-25JC	TICPAL22V10Z-25CFN
AT22V10L-25PC	TICPAL22V10Z-25CNT

* NOTES: Application dependent - These functional equivalents can replace other company's devices in certain applications

Possible Replacements †

AMD Part Number	Texas Instruments Part Number
PALCE16V8H-5JC	TIBPAL16xx-5CFN (xx=L8,R4,R6,R8)
PALCE16V8H-5PC	TIBPAL16xx-5CN
PALCE16V8H-7JC	TIBPAL16xx-7CFN
PALCE16V8H-7PC	TIBPAL16xx-7CN
PALCE16V8H-10JC	TIBPAL16xx-10CFN
PALCE16V8H-10PC	TIBPAL16xx-10CN
PALCE16V8H-15JC	TIBPAL16xx-15CFN
PALCE16V8H-15PC	TIBPAL16xx-15CN
PALCE16V8H-25JC	TIBPAL16xx-25CFN
PALCE16V8H-25PC	TIBPAL16xx-25CN
PALCE20V8H-5JC	TIBPAL20xx-5CFN
PALCE20V8H-5PC	TIBPAL20xx-5CNT
PALCE20V8H-7JC	TIBPAL20xx-7CFN
PALCE20V8H-7PC	TIBPAL20xx-7CNT
PALCE20V8H-10JC	TIBPAL20xx-10CFN
PALCE20V8H-10PC	TIBPAL20xx-10CNT
PALCE20V8H-15JC	TIBPAL20xx-15CFN
PALCE20V8H-15PC	TIBPAL20xx-15CNT
PALCE20V8H-25JC	TIBPAL20xx-25CFN
PALCE20V8H-25PC	TIBPAL20xx-25CNT

Possible Replacements †

Lattice Part Number	Texas Instruments Part Number
GAL16V8C-5LJ	TIBPAL16xx-5CFN
GAL16V8C-5LP	TIBPAL16xx-5CN
GAL16V8B-7LJ	TIBPAL16xx-7CFN
GAL16V8B-7LP	TIBPAL16xx-7CN
GAL16V8B-10LJ	TIBPAL16xx-10CFN
GAL16V8B-10LP	TIBPAL16xx-10CN
GAL16V8B-15LJ	TIBPAL16xx-15CFN
GAL16V8B-15LP	TIBPAL16xx-15CN
GAL16V8B-25LJ	TIBPAL16xx-25CFN
GAL16V8B-25LP	TIBPAL16xx-25CN
GAL20V8C-5LJ	TIBPAL20xx-5CFN
GAL20V8C-5LP	TIBPAL20xx-5CNT
GAL20V8B-7LJ	TIBPAL20xx-7CFN
GAL20V8B-7LP	TIBPAL20xx-7CNT
GAL20V8B-10LJ	TIBPAL20xx-10CFN
GAL20V8B-10LP	TIBPAL20xx-10CNT
GAL20V8B-15LJ	TIBPAL20xx-15CFN
GAL20V8B-15LP	TIBPAL20xx-15CNT
GAL20V8B-25LJ	TIBPAL20xx-25CFN
GAL20V8B-25LP	TIBPAL20xx-25CNT

Atmel Part Number	Texas Instruments Part Number
ATF16V8B-7JC	TIBPAL16xx-7CFN
ATF16V8B-7PC	TIBPAL16xx-7CN
ATF16V8B-10JC	TIBPAL16xx-10CFN
ATF16V8B-10PC	TIBPAL16xx-10CN
ATF16V8B-15JC	TIBPAL16xx-15CFN
ATF16V8B-15PC	TIBPAL16xx-15CN
ATF16V8B-25JC	TIBPAL16xx-25CFN
ATF16V8B-25PC	TIBPAL16xx-25CN
ATF20V8B-7JC	TIBPAL20xx-7CFN
ATF20V8B-7PC	TIBPAL20xx-7CNT
ATF20V8B-10JC	TIBPAL20xx-10CFN
ATF20V8B-10PC	TIBPAL20xx-10CNT
ATF20V8B-15JC	TIBPAL20xx-15CFN
ATF20V8B-15PC	TIBPAL20xx-15CNT
ATF20V8B-25JC	TIBPAL20xx-25CFN
ATF20V8B-25PC	TIBPAL20xx-25CNT

† IMPORTANT NOTES: These functional equivalents can replace other vendor's devices, but a code change is required.

Product Information Center

North America
Telephone # - 972-644-5580 (English)
Fax # - 972-480-7800
PIC - www.ti.com/sc/docs/pic/americas.htm
PIC E-mail - sc-infomaster@ti.com
Programmable Logic - http://www.ti.com/sc/docs/pld/tipld.htm
Distributor Listing - www.ti.com/sc/docs/distmenu.htm

TEXAS INSTRUMENTS