

## Cyclone IV

Device	Package		$\theta_{JA}$	$\theta_{JA}$	$\theta_{JA}$	$\theta_{JA}$	$\theta_{JC}$	$\theta_{JB}$
	Type	Pins	(° C/W) Still Air	(° C/W) 100 ft./min.	(° C/W) 200 ft./min.	(° C/W) 400 ft./min.	(° C/W)	(° C/W)
EP4CE10	EQFP	144	27.10	22.80	21.60	19.30	10.50	13.10
	FBGA	256	34.00	30.20	28.20	26.50	9.80	20.70
	UBGA	256	34.70	30.90	28.90	27.20	10.10	20.10
EP4CE115	FBGA	484	19.50	15.80	14.00	12.50	4.00	7.80
	FBGA	780	18.90	15.00	13.30	12.00	3.90	8.40
EP4CE15	EQFP	144	24.40	20.10	18.90	16.60	8.30	10.50
	MBGA	164	38.90	32.70	30.50	28.60	8.00	16.90
	FBGA	256	29.60	25.80	23.80	22.20	7.30	16.20
	MBGA	256	38.60	32.40	30.10	28.10	7.50	17.60
	UBGA	256	30.60	26.80	24.80	23.10	7.60	16.00
EP4CE22	FBGA	484	27.90	24.20	22.30	20.80	9.60	16.30
	EQFP	144	24.00	19.70	18.60	16.30	7.90	10.20
	FBGA	256	28.40	24.70	22.70	21.10	6.50	15.10
EP4CE30	UBGA	256	30.00	26.30	24.20	22.50	7.10	15.40
	FBGA	324	24.80	21.10	19.20	17.60	4.80	12.10
	FBGA	484	23.50	19.90	18.00	16.50	6.60	11.90
EP4CE40	FBGA	780	17.90	14.40	12.70	11.30	4.70	7.20
	FBGA	324	24.80	21.10	19.20	17.60	4.80	12.10
	FBGA	484	23.50	19.90	18.00	16.50	6.60	11.90
EP4CE55	UBGA	484	20.90	17.30	15.40	13.90	5.00	7.90
	FBGA	780	17.90	14.40	12.70	11.30	4.70	7.20
	FBGA	484	22.30	18.70	16.80	15.30	5.80	10.70
	UBGA	484	23.20	19.60	17.10	16.10	5.40	10.60
EP4CE6	FBGA	780	22.00	18.30	16.50	15.10	5.70	11.50
	EQFP	144	27.10	22.80	21.60	19.30	10.50	13.10
	FBGA	256	34.00	30.20	28.20	26.50	9.80	20.70
EP4CE75	UBGA	256	34.70	30.90	28.90	27.20	10.10	20.10
	FBGA	484	20.90	17.30	15.40	14.00	4.90	9.30
	UBGA	484	21.80	18.20	16.20	14.70	4.60	9.10
EP4CGX110	FBGA	780	20.50	16.90	15.10	13.70	4.80	10.10
	FBGA	484	14.90	14.60	12.70	11.30	3.20	6.40
	FBGA	672	14.50	14.10	12.30	10.90	3.10	6.80
EP4CGX15	FBGA	896	14.30	13.80	12.10	10.70	3.00	7.20
	QFN	148	26.40	22.00	20.70	18.30	5.50	8.10
	FBGA	169	31.10	27.40	25.30	23.60	7.90	16.40
EP4CGX150	FBGA	169	31.10	27.40	25.30	23.60	7.90	16.40
	FBGA	484	14.90	14.60	12.70	11.30	3.20	6.40
	FBGA	672	14.50	14.10	12.30	10.90	3.10	6.80
EP4CGX22	FBGA	896	14.30	13.80	12.10	10.70	3.00	7.20
	FBGA	169	26.20	23.70	21.70	20.00	5.70	12.60
	FBGA	324	24.40	21.80	19.90	18.30	5.30	12.70
EP4CGX30	FBGA	169	26.20	23.70	21.70	20.00	5.70	12.60
	FBGA	324	24.40	21.80	19.90	18.30	5.30	12.70
	FBGA	484	17.20	15.70	14.10	12.80	4.40	8.20
EP4CGX50	FBGA	484	17.20	15.70	14.10	12.80	4.40	8.20
	FBGA	672	16.90	15.30	13.80	12.50	4.20	8.60
	FBGA	484	17.20	15.70	14.10	12.80	4.40	8.20
EP4CGX75	FBGA	484	17.20	15.70	14.10	12.80	4.40	8.20
	FBGA	672	16.90	15.30	13.80	12.50	4.20	8.60