

Pin Name (1)	144-Pin TQFP EPF6016	208-Pin PQFP EPF6016	240-Pin PQFP EPF6016	256-Pin BGA EPF6016
MSEL (2)	33	46	52	T3
nSTATUS (2)	56	80	92	W11
nCONFIG (2)	53	77	89	Y11
DCLK (2)	128	184	212	C10
CONF_DONE (2)	105	150	172	E18
INIT_DONE (3)	94	135	155	J19
nCE (2)	4	6	9	E1
nCEO (4)	70	102	117	V18
nWS (4)	117	169	195	B15
nRS (4)	120	174	200	C13
nCS (4)	111	159	184	B17
CS (4)	114	162	188	A17
RDYnBUSY (4)	97	140	161	G20
CLKUSR	100 (4)	144	166	G17
DATA (2), (5)	125	181	209	B10
TDI (6)	13	19	22	J3
TDO (6)	73	107	124	T17
TCK	34 (6), (7)	47	54	V1
TMS	27 (6)	38	44	P3
Dedicated Inputs	17, 20, 89, 92	24, 28, 128, 132	28, 32, 148, 152	K19, L1, L3, L20
DEV_CLRn (3)	130	187	216	C9
DEV_OE (3)	123	178	205	A12
VCCINT	6, 31, 77, 103	8, 26, 44, 111, 130, 148	11, 30, 50, 130, 150, 170	D20, F3, K20, L2, T20, U1
VCCIO	7, 19, 32, 55, 78, 91, 104, 127	9, 27, 45, 63, 79, 96, 112, 131, 149, 166, 183, 200	12, 31, 51, 72, 91, 110, 131, 151, 171, 192, 211, 230	D6, D11, D15, F4, F17, K4, L17, R4, R17, U6, U10, U15
GND	5, 18, 30, 54, 76, 90, 102, 126	7, 25, 43, 62, 78, 95, 110, 129, 147, 165, 182, 199	10, 29, 49, 61, 71, 90, 109, 120, 129, 149, 169, 181, 191, 210, 229, 240	A1, D4, D8, D13, D17, H4, H17, N4, N17, U4, U8, U13, U17
No connect (N.C.)	–	–	–	A11, A16, B4, C7, D12, E20, J20, T2, U12, V8, V14, W5, Y17, Y19 (8)
Total user I/O pins (9)	117	171	199	204

Notes:

- (1) All pins not listed are user I/O pins.
- (2) This pin is a dedicated configuration or JTAG pin; therefore, it is not available for use as a user I/O pin.
- (3) This pin can be used as a user I/O pin if it is not used for its chip-wide or configuration function.
- (4) This pin can be used as a user I/O pin after configuration.
- (5) This pin is tri-stated in user mode.
- (6) If the device is not configured to use the JTAG BST circuitry, this pin is available as a user I/O pin. If the JTAG BST circuitry device option is not used, JTAG testing may still be performed before configuration.
- (7) If this pin is used as an input in user mode, ensure that it does not toggle before or during configuration.
- (8) To maintain pin compatibility when migrating from an EPF6024AB256 device to an EPF6016B256 device, do not use these pins as user I/O pins.
- (9) The user I/O count includes dedicated input and I/O pins.