

**XC95288XL Global, JTAG and Power Pins<sup>(1)</sup>**

Pin Type	TQ144	PQ208	BG256	FG256	CS280
I/O/GCK1	30	44	T2	M2	R3
I/O/GCK2	32	46	U2	M3	T1
I/O/GCK3	38	55	W4	P5	W2
I/O/GTS1	5	7	C1	D4	D3
I/O/GTS2	6	9	E1	E5	E2
I/O/GTS3	2	3	C2	D3	C2
I/O/GTS4	3	5	D3	E3	C1
I/O/GSR	143	206	A2	C4	C4
TCK	67	98	U16	P12	T15
TDI	63	94	W16	R11	U14
TDO	122	176	B12	A10	D13
TMS	65	96	W17	N12	U15
V <sub>CCINT</sub> 3.3V	8, 42, 84, 141	11, 59, 124, 153, 204	F1, P2, W5, Y9, V10, U13, W18, T20, M19, F20, E17, B17, B14, A10, C7, B3, G4	F4, F7, G6, H6, J6, K6, L7, F8, L8, F9, L9, F10, L10, G11, H11, J11, K11	E1, F2, N3, U5, W9, V9, U12, V16, R17, M18, G18, D19, C18, A15, A11, D8, A4
V <sub>CCIO</sub> 2.5V/3.3 V	1, 37, 55, 73, 109, 127	1, 26, 53, 65, 79, 92, 105, 132, 157, 172, 181, 184	D4, D6, D11, D15, D17, F4, F17, K4, L17, R4, R17, U4, U6, U10, U15, U17	F3, K4, D5, F6, L6, P6, C7, N9, C10, F11, L11, P11, D12, G13, L14	C3, F1, K1, N4, V2, T6, T10, V14, V18, P18, K19, G17, C19, D14, D12, D11, A7
GND	18, 29, 36, 47, 62, 72, 89, 90, 99, 108, 114, 123, 144	2, 13, 24, 27, 42, 52, 68, 81, 93, 104, 108, 129, 130, 141, 156, 163, 177, 190, 207	B1, K3, T1, Y5, W10, Y10, Y14, V15, U18, R19, K20, G18, B16, D13, A11, A6, J9, J10, J11, J12, K9, K10, K11, K12, L9, L10, L11, L12, M9, M10, M11, M12	A1, A16, C14, T1, B2, B15, R2, C3, P3, G7, H7, J7, K7, G8, H8, J8, K8, G9, H9, J9, K9, G10, H10, J10, K10, P14, R15, T16	E5, F5, G5, H5, J5, K5, L5, M5, N5, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, P15, N15, M15, L15, K15, J15, H15, G15, F15, E15, E14, E13, E12, E11, E10, E9, E8, E7, E6, P5
No Connects	–	–	A1, A19, A20, B19, B20, C19, W1, W2, W3, W20, Y1	–	A1, B2, W1, U3, W19, U17, A19, C17, A2, B3

**Notes:**

1. The pin-outs are the same for Pb-free versions of packages.