



IC - Transformer Selection Guide for T1/E1/CEPT/ISDN-PRI Quad Ports

IC Manufacturer	IC Part Number	Application	Turns Ratio Pri:Sec ±2%		Talema Part Number
			Transmit	Receive	
Cirrus (Crystal)	CS61534, 61535, 61544, 61574, 1585	T1 & PCM-30	1:2CT	1:2CT	MJQ-006-40
	CS61535A, CS61574A, CS61575, CS6158A	T1	1:1.15	1:2CT	MJQ-002-40
	CS61535A, CS61574A, CS61575, CS6158A	E1	1:2CT	1:2CT	MJQ-006-40
	CS6152	-	1:1.36CT	1:2CT	MJQ-001-40
	CS61583	T1 / E1 (3.3 V)	1:2	1:2	MJQ-017-40
	CS61583	T1 / E1 (5.0 V)	1:1.15	1:1.15	MJQ-015-40
	CS61584, CS61584A	IQ3	1:2CT	1:2CT	MJQ-006-40
Dallas	DS2186, DS2187	-	1:1.36CT	1:2CT	MJQ-001-40
	DS2151, DS2152, DS2153, DS2154	T1 / E1 - Note 1	1:1.36CT	1:2CT	MJQ-001-40
	DS21Q352, DS21Q354	3V Quad	1:2CT	1:1CT	MJQ-003-40
	DS21Q552, DS21Q554	5V Quad	1:1.36CT	1:2CT	MJQ-001-40
Exar	T5650, T5620, T5675, T5681, T5683	-	1:2CT	1:2CT	MJQ-006-40
	56L22, 56L85, C240, C260, C262, C277	-	1:2CT	1:2CT	MJQ-006-40
	T5793, T5794	Quad E1 - Note 2	1:1/1.26CT	1:2CT	MJQ-007-40
	T5684	T1	1:1.36CT	1:2CT	MJQ-001-40
	T7288	CEPT	1:1.36CT	1:2CT	MJQ-001-40
	T5894	Quad E1	1:2CT	1:2CT	MJQ-006-40
	T5897	7 Channel E1	1:2CT	1:2CT	MJQ-006-40
Infineon (Siemens)	PEB2254, PEB2255	5V	1CT:1.41	1CT:1.41	MJQ-016-40
	PEB22554, PEB22504	3.3V	1:2.4	1:1	MJQ-022-40
	PEB22504	5V	1:1.5	1.41:1	MJQ-026-40
Level One	LXT300/301/305	-	1:2CT	1:2CT	MJQ-006-40
	LXT304A/305A	T1	1:1.15	1:2CT	MJQ-002-40
	LXT304A/305A	PCM-30/75/120° - Note 2	1:1/1.26	1:2CT	MJQ-007-40
	LXT310/311	-	1:2CT	1:1CT	MJQ-003-40
	LXT317/318	T1/ E1	1:2CT	1:2CT	MJQ-006-40
	LXT317/318	T1 / E1 - Optional	1:2	1:2CT	MJQ-021-40
	LXT317/318	T1 / E1 - Optional	1:2CT	1:1CT	MJQ-003-40
	LXT331	E1	1:2CT	1:1CT	MJQ-003-40
	LXT332	E1	1:2CT	1:2CT	MJQ-006-40
	LXT332	E1 - Optional	1:2	1:2CT	MJQ-021-40
	LXT334	Quad E1	1:1.36CT	1:2CT	MJQ-001-40
	LXT334	Quad T1	1:2CT	1:1CT	MJQ-003-40
	LXT335	Quad E1	1:1.36CT	1:2CT	MJQ-001-40
	LXT360/361/370	T1 / E1	1:2CT	1:1CT	MJQ-003-40
	LXT380/381/384/386/388	T1 / E1	1:2CT	1:1CT	MJQ-003-40
LXT380/381/384/386/388	T1 / E1	1:2CT	1CT:2	MJQ-020-40	
Lucent	T7288	CEPT	1:1.36CT	1:2CT	MJQ-001-40
	T7289	DS1	1:1.15	1:2CT	MJQ-002-40
	T7290	T1 & CEPT	1:1.36CT	1:2CT	MJQ-001-40
	T7633	Dual T1 / E1	1:2.1CT	1:2.1CT	MJQ-029-40
	T7683	Quad T1	1:2CT	1:2CT	MJQ-006-40
	T7688	Quad E1	1:1.36	1:1.36CT	MJQ-012-40
	T7689	Quad T1	1:1.14	1:1.14CT	MJQ-009-40
	T7690	DS1	1:1.14	1:1.14CT	MJQ-009-40
T7690	CEPT	1:1.36	1:1.36CT	MJQ-012-40	
PMC-Sierra	PM4341, PM6341	-	1:1.36CT	1:2CT	MJQ-001-40
	PM4314	-	1:1.36CT	1:2CT	MJQ-001-40
	PM4351	Comet	1:2.42	1:2.42	MJQ-028-40
Conexant Systems (Rockwell)	BT8370	T1 / E1	1:1.36CT	1:2CT	MJQ-001-40
	CN8380	T1 / E1	1:2CT	1CT:2	MJQ-020-40
	R8069, R8069A, R8069B	-	1:2CT	1:1CT	MJQ-003-40
VLSI	VP4Q574	T1	1:1.15	1:2CT	MJQ-002-40
	VP4Q574	E1	1:1.15	1:2CT	MJQ-002-40
	VP4Q575	T1	1:1.15	1:2CT	MJQ-002-40
	VP4Q575	E1 75R	1:1.15	1:2CT	MJQ-002-40

Notes:

- Dallas IC's use either a 1:1,15 or a 1:1.36 ratio transformer depending on the application. Consult the Dallas application notes or contact Talema.
- To obtain a 1:1 secondary ratio connect the following secondary contacts: 39-40, 34-35, 39-30 and 24-25; a secondary ratio of 1:1.26 is obtained by connecting contacts: 38-40, 33-35, 28-30 and 23-25.

Germany: Int.+49 89 - 841 00-0 • Ireland: Int.+35 374 - 954 8666 • Czech Rep: Int.+420 37 - 744 9303 • India: Int.+91 427 - 244 1325
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