T1/CEPT Quad Port T1/E1 8150-8163

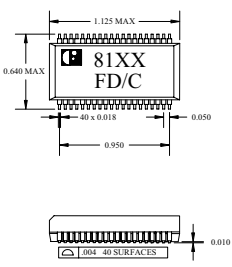
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- Eight transformers in a SMD package supporting four transmit and four receive channels
- Units matched to leading dual and quad T1/E1/CEPT/ISDN-PRI IC's

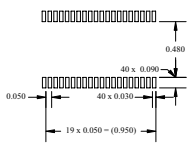


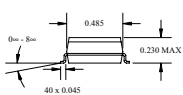
Crystal	61574	T1 & PCM-30	8160
	61535A, 61574A, 61575, 6158A	T1	8155
	61535A, 61574A, 61575, 6158A	E1	8160
	61583	T1/E1(3.3V)	8152
	61583	T1/E1(5.0V)	8153
	61584, 61584A	IQ3	8160
Dallas	DS2186, DS2187		8160
	DS2151, DS2152, DS2153, DS2154	T1,E1	8158
	DS21Q352, DS21Q354	3V QUAD	8157
	DS21Q552, DS21Q554	5V QUAD	8158
Exar	T5650, T5620, T5675, T5681, T5683		8160
	56L22, 56L85, C240, C260, C262, C277		8160
	T5793,T5794	QUAD E1	8154
	T5684	T1	8158
	T7288	CEPT	8158
Level One	LXT300/301/305		8160
	LXT304A/305A	T1	8155
	LXT304A/305A	PCM-30/T5/120	8154
	LXT310/311		8157
	LXT317/318	T1/E1	8160
	LXT317/318	T1/E1	8159
	LXT317/318	T1/E1	8157
	LXT331	E1	8157
	LXT332	E1	8159
	LXT332	E1	8160
	LXT334	QUAD E1	8158
	LXT335	QUAD T1	8157
	LXT335	QUAD E1	8158
	LXT360/361/370	T1/E1	8157
Lucnet Technologies	T7288	CEPT	8158
	T7289	DS1	8155
	T7290	T1 & CEPT	8158
	T7688	QUAD E1	8162
	T7689	QUAD T1	8161
	T7690	DS1	8161
	T7690	CEPT	8162
PMC-Sierra	PM4341, PM8341		8158
	PM4314		8158
	PM4351-RI	T1	8163
Rockwell	BT8370	T1,E1	8158
	R8069, R806A, R8069B		8157
Siemens	PEB2254		8156
	PEB22554		8150
VLSI	VP14Q574	T1	8155
	VP14Q574	E1	8155
	VP14Q575	T1	8155
	VP14Q575	E1 75	8155

MECHANICAL AND SCHEMATIC (All dimensions in inches)



SUGGESTED PAD LAYOUT





SEE PAGE TWO FOR SCHEMATICS

UNLESS OTHERWISE SPECIFIED, ALL TOLERANCES ARE ± .010

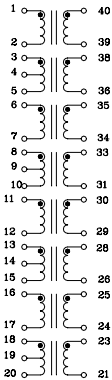
ELECTRICAL SPECIFICATION @ 25˚C

Part Number	Turns Ratio (Pri:Sec ±2%)		OCL @ 25 ˚C (mH MIN)		LI (uH MAX)		CMW pF (MAX)		Schematic	Primary Pins	
	TX	RX	TX	RX	TX	RX	TX	RX		TX	RX
8150	1:2.4	1:1	1.0	1.0	0.5	0.5	35	35	F	1-2, 8-9, 11-12, 18-19	24-25, 27-28, 34-35, 37-38
8151	1:2CT	1CT:2	1.2	1.2	0.6	0.6	35	35	C	4-5, 9-10, 14-15, 19-20	1-3, 6-8, 11-13, 16-18
8152	1:2	1:2	1.2	1.2	0.6	0.6	35	35	E	1-3, 6-8, 11-13, 16-18	4-5, 9-10, 14-15,19-20
8153	1:1.15	1:1.15	1.2	1.2	0.6	0.6	35	35	E	1-3, 6-8, 11-13,16-18	4-5, 9-10, 14-15,19-20
8154	1:1/1.26	1:2CT	1.2	1.2	0.6	0.6	35	35	B	1-2, 6-7, 11-12,16-17	21-22, 26-27, 31-32, 36-37
8155	1:1.15	1:2CT	1.2	1.2	0.6	0.6	35	35	A	1-2, 6-7, 11-12,16-17	21-23, 26-28, 31-33, 36-38
8156	1CT:1.41	1CT:1.41	1.2	1.2	0.6	0.6	35	35	C	1-3, 6-8, 11-13, 16-18	21-23, 26-28, 31-33, 36-38
8157	1:2CT	1:1CT	1.2	1.2	0.6	0.6	35	35	B	1-2, 6-7, 11-12, 16-17	21-22, 26-27, 31-32, 36-37
8158	1:1.36CT	1:2CT	1.2	1.2	0.6	0.6	35	35	C	24-25, 29-30, 34-35, 39-40	4-5, 9-10, 14-15, 19-20
8159	1:2	1:2CT	1.2	1.2	0.6	0.6	35	35	D	1-2, 9-10,11-12, 19-20	23-25, 28-28, 33-35, 38-38
8160	1:2CT	1:2CT	1.2	1.2	0.6	0.6	35	35	C	4-5, 9-10, 14-15, 19-20	24-25, 29-30, 34-35, 39-40
8161	1:1.14	1:1.14CT	1.2	1.2	0.6	0.6	35	35	A	1-2, 6-7, 11-12, 16-17	38-36, 33-31, 28-26, 23-21
8162	1:1.36	1:1.36CT	1.2	1.2	0.4	0.5	20	20	A	1-2, 6-7, 11-12,16-17	38-36, 33-31, 28-26, 23-21
8163	1:2.4	1:1CT	1.0	1.0	0.5	0.5	35	35	G	1-2, 9-10,11-12, 19-20	38-37,35-34,28-27, 25-24

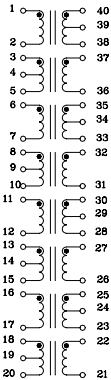
ISSUE E.D 09/04/02 8150-8163

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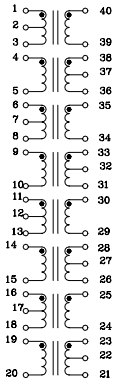
SCHEMATIC A



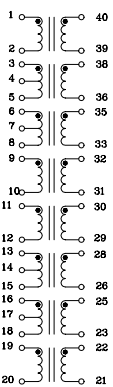
SCHEMATIC B



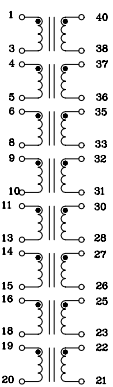
SCHEMATIC C



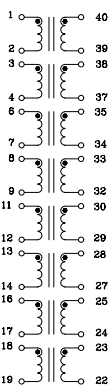
SCHEMATIC D



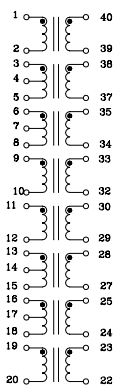
SCHEMATIC E



SCHEMATIC F



SCHEMATIC G



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