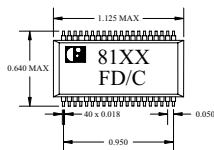


- Eight transformers in a SMD package supporting four transmit and four receive channels
- Units matched to leading dual and quad T1/E1/CEPT/ISDN-PRI IC's

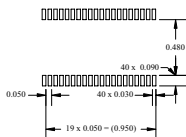


Crystal	61574	T1 & PCM-30	8160	LXT332	E1	8159
	61535A, 61574A, 61575, 6158A	E1	8155	LXT332	E1	8160
	61535A, 61574A, 61575, 6158A	T1E1 (3.3V)	8152	LXT334	QUAD E1	8158
	61583	T1E1 (5.0V)	8153	LXT335	QUAD T1	8157
	61583	IQ3	8160	LXT335	QUAD E1	8158
Dallas	DS2146, DS2157		8156	LXT360/361/370	T1E1	8157
	DS2151, DS2152, DS2153, DS2154	T1E1	8158	Lucint Technologies	CEPT	8158
	DS21Q352, DS21Q354	3V QUAD	8157	T7286	DS1	8155
	DS21Q552, DS21Q554	5V QUAD	8158	T7290	T1 & CEPT	8158
Exar	T5650, T5620, T5675, T5681, T5683		8160	T7688	QUAD E1	8162
	56L22, 56L65, C240, C280, C282, C277		8160	T7689	QUAD T1	8161
	T5793, T5794	QUAD E1	8154	T7690	DS1	8161
	T5684	T1	8158	PMCSierra	CEPT	8162
	T7288	CEPT	8158	PM4341, PM6341		8158
Level One	LXT300/301/305		8160	PM4314	T1	8163
	LXT304A/305A	T1	8155	PM4351-R1	T1E1	8158
	LXT304A/305A	PCM-3075/120	8154	Rockwell		8157
	LXT310/311		8157	BT8370		8156
	LXT317/318	T1E1	8160	PEB2254		8150
	LXT317/318	T1E1	8159	Siemens	VLSI	VP14Q574
	LXT317/318	T1E1	8157			VP14Q575
	LXT331	E1	8157			VP14Q575

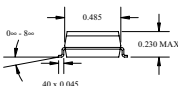
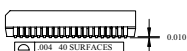
MECHANICAL AND SCHEMATIC (All dimensions in inches)



SUGGESTED PAD LAYOUT



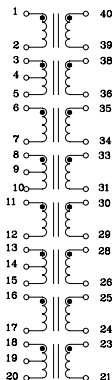
SEE PAGE TWO FOR SCHEMATICS

UNLESS OTHERWISE SPECIFIED, ALL TOLERANCES ARE $\pm .010$

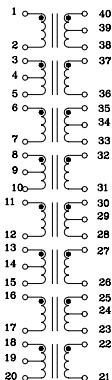
ELECTRICAL SPECIFICATION @ 25 °C

Part Number	Turns Ratio (Pri:Sec $\pm 2\%$)		OCL @ 25 °C (mH MIN)		LI (μ H MAX)		C _{WW} 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, 16-17	23-25, 26-28, 33-35, 36-38
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, 16-17	38-37, 35-34, 28-27, 25-24

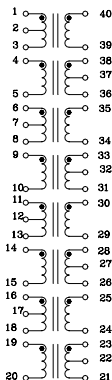
SCHEMATIC A



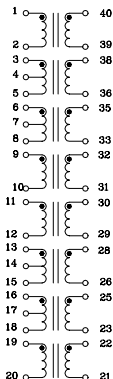
SCHEMATIC B



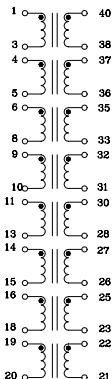
SCHEMATIC C



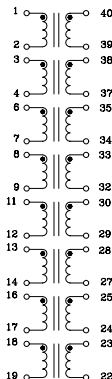
SCHEMATIC D



SCHEMATIC E



SCHEMATIC F



SCHEMATIC G

