

# **TRANSFORMERS SELECTION GUIDE**

## ■ FAST ETHERNET TRANSFORMER MODULES SELECTION GUIDE

Chip Manufacturer	Chip Designation	10BASE-T/100BASE-TX Quad Port Transformers Modules	10BASE-T/100BASE-TX Single Port Transformers Modules	10BASE-T Single Port Transformers Module For PCMCIA
AMD	AM79C730 AM79C731 AM79C870 AM79C871 AM79C874 AM79C875	UT12110,UT12112	UT12210,UT12211, UT12212	
Broadcom	BCM5203 BCM5205 BCM5208	UT12114,UT12115, UT12116		
Crystal	CS8952	UT12110,UT12112	UT12210,UT12211	
Davicom	DM9101 DM9181	UT12110,UT12112	UT12210,UT12211	
Gec Plessey	NWK918	UT12110,UT12112	UT12210,UT12211	
Integrated Circuit Systems	ICS1890 ICS1891	UT12110,UT12111, UT12112,UT12113	UT12211	UT12312,UT12313
Intel	S82555 S82558	UT12110,UT12112	UT12210,UT12211	
Level One	LXT970 LXT974 LXT975 LXT980	UT12110,UT12111	UT12210,UT12211	
Lucent Technologies	LUC3X04 LUC3X14 LUC3X24	UT12110,UT12112	UT12210,UT12211	
Micro Linear	ML6673	UT12110,UT12112,UT12113	UT12211	
	ML6671			UT12310
	MIL6692 MIL6694 MIL6698		UT12218,UT12219	UT12315
National Semiconductor	DP83840A DP83223	UT12110,UT12111, UT12112,UT12113	UT12210	UT12312,UT12313
Quality Semiconductor	QS6611-D2		UT12213,UT12215,UT12216	UT12311
	QS6612		UT12214,UT12217	UT12314
Texas Instruments	TNETE2101 TNETE2104	UT12110,UT12112	UT12210,UT12211	
TDK	TSC78Q2120/2121	UT12110,UT12112	UT12210,UT12211	UT12312,UT12313

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# **TRANSFORMERS SELECTION GUIDE**

## ■ GIGABIT ETHERNET TRANSFORMER MODULES SELECTION GUIDE

Chip Manufacturer	Chip Designation	1000BASE-T Single Port Modules	1000BASE-T Single Port Modules Operating Temp. (-40°C to +85°C)	1000BASE-T Dual Port Modules	1000BASE-T Dual Port Modules Operating Temp. (-40°C to +85°C)
Broadcom (Allayer)	AL1023	UT12010			
	BCM5400,BCM5401	UT12010, UT12014	UT12014A	UT12011	
	BCM5701,BCM5702				
Broadcom	BCM5703,BCM5704	UT12009	UT12009A	UT12012	UT12012A
	BCM5705,BCM5707				
	BCM5402			UT12011	
	BCM5411, BCM5421	UT12010			
Cicada Semiconductor	CIS8204	UT12014	UT12014A		
	CIS8201	UT12010			
Intel (Level One)	LXT1000	UT12010			
LSI Logic	L80600	UT12010			
Lucent Technologies	LU8X31,LU8X32	UT12010, UT12014	UT12014A		
	LU8X24FT	UT12014	UT12014A		
	88E1000,88E1000S				
	88E1010,88E1010S	UT12009, UT12010	UT12009A		
	88E1020,88E1020S	UT12014	UT12014A	UT12011,UT12012	UT12012A
	88E1040,88E1040S				
Marvell Semiconductor	88E1041,88E1041S	UT12014	UT12014A		
	88E1042,88E1042S				
	88E1011	UT12009,UT12014	UT12009A		
		UT12015	UT12014A		
	88E1020, 88E1020S			UT12011,UT12012	UT12012A
	88E1042, 88E1042S				
Micrel(Kendin)	KS9020	UT12010			
Mysticom	MY1001	UT12010			
	DP83891	UT12009, UT12010	UT12009A		
		UT12014	UT12014A		
National Semiconductor	DP83892	UT12010			
	DP83861	UT12010, UT12014	UT12014A		
	DP83820	UT12010		UT12011	
Realtek	RLT8169	UT12010		UT12011	
Vitesse	VSC7380,VSC7384	UT12010		UT12011	

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## ■ ISDN TRANSFORMERS SELECTION GUIDE

### ISDN-IC/S-INTERFACE TRANSFORMERS SELECTION

Chip Manufacturer	Chip Designation	Dual Surface Mount Transmit & Receive	Single Through Hole		Dual Through Hole Transmit & Receive
			Transmit	Receive	
AMD	AM79C30A,79C32A	UT20499-TS	UT20999 UT20699	UT20999 UT20699	UT20499
AT&T	T7250,T7256,T7259, T7903,T7901	UT20498-TS UT20495-TS	UT20998 UT20696 UT20995 UT20695	UT20998 UT20696 UT20995 UT20695	UT20498 UT20495
Intel	29C53	UT20494-TS	UT20994 UT20694	UT20996 UT20696	UT20494
Mietec	MTC-2072	UT20495-TS	UT20995 UT20695	UT20995 UT20695	UT20495
Mitel	MT8930	UT20495-TS	UT20995 UT20695	UT20995 UT20695	UT20495
Motorola	MC145474,MC145475 MC145574	UT20493-TS UT20498-TS	UT20993 UT20693 UT20998 UT20696	UT20993 UT20693 UT20998 UT20696	UT20493 UT20498
National	TP3420,TP3421	UT20495-TS UT20492-TS	UT20995 UT20695 UT20995 UT20695	UT20995 UT20695 UT20993 UT20693	UT20495 UT20492
SGS Thomson	ST5420,ST5421	UT20495-TS	UT20995 UT20695	UT20995 UT20695	UT20495
Infineon	PEB2080,2081,2084 2085,2086,&PSB2186	UT20495-TS	UT20995 UT20695	UT20995 UT20695	UT20495
Yamaha	7405B	UT20495-TS	UT20995 UT20695	UT20995 UT20695	UT20495

NOTE : Single Transformers UT2069X IS 4KVrms Isolation

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### ISDN-IC/S<sub>0</sub>-INTERFACE TRANSFORMERS SELECTION

Chip Manufacture	Chip Designation	Flat Design	Upright Design	SMT Design	IEC 950 Design
Infineon	PEB/PSB2080				
	PEB/PSB2081	UT21113	UT21521	UT21113-TS	UT21711
	PEB/PSB2084	UT28113	UT28521	UT28113-TS	UT28711
	PEB/PSB2085	UT21166	UT21595	UT21166-TS	UT21729
	PEB/PSB2086	UT28166	UT28595	UT28166-TS	UT28729
	PEB/PSB2186				
AMD		UT21113	UT21521	UT21113-TS	UT21711
	AM79C30A	UT28113	UT28521	UT28113-TS	UT28711
	AM79C32A	UT21166	UT21595	UT21166-TS	UT21729
		UT28166	UT28595	UT28166-TS	UT28729
AT&T	T7250/T7252	UT21169	UT21598	UT21169-TS	UT21731
	T7256/T7259	UT28169	UT28598	UT28169-TS	UT28731
Intel		UT21168	UT21597	UT21168-TS	UT21731
	29C53AA	UT28168	UT28597	UT28168-TS	UT28731
		UT21169	UT21598	UT21169-TS	UT21732
		UT28169	UT28598	UT28169-TS	UT28732
		UT21113	UT21521	UT21113-TS	UT21711
Mietec	MTC-2072	UT28113	UT28521	UT28113-TS	UT28711
		UT21166	UT21595	UT21166-TS	UT21729
		UT28166	UT28595	UT28166-TS	UT28729
			UT21113	UT21521	UT21113-TS
Mitel	MT8930	UT28113	UT28521	UT28113-TS	UT28711
		UT21166	UT21595	UT21166-TS	UT21728
		UT28166	UT28595	UT28166-TS	UT28728
					UT21729
					UT28729
Motorola	MC145474	UT21167	UT21596	UT21167-TS	
	MC145475	UT28167	UT28596	UT28167-TS	
	MC145574	UT21169	UT21598	UT21169-TS	UT21731
		UT28169	UT28598	UT28169-TS	UT28731
National		UT21113	UT21521	UT21113-TS	UT21711
	TP3420	UT28113	UT28521	UT28113-TS	UT28711
	TP3421	UT21166	UT21595	UT21166-TS	UT21729
		UT28166	UT28595	UT28166-TS	UT28729
SGS Thomson		UT21113	UT21521	UT21113-TS	UT21711
	ST5420	UT28113	UT28521	UT28113-TS	UT28711
	ST5421	UT21166	UT21595	UT21166-TS	UT21729
		UT28166	UT28595	UT28166-TS	UT28729

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### ISDN-IC/S<sub>0</sub>-INTERFACE MODULE SELECTION

Chip Manufacturer	Chip Designation	Through Hole	SMT Design	IEC 950 Design
Infineon	PEB/PSB2080			
	PEB/PSB2081	UT21615	UT21615-TS	UT21802
	PEB/PSB2084	UT28615	UT28615-TS	UT28802
	PEB/PSB2085	UT21624	UT21624-TS	UT21816
	PEB/PSB2086	UT28624	UT28624-TS	UT28816
	PEB/PSB2080			
	PEB/PSB2186			
AMD	AM79C30A	UT21615	UT21615-TS	UT21802
	AM79C32A	UT28615	UT28615-TS	UT28802
		UT21624	UT21624-TS	UT21816
		UT28624	UT28624-TS	UT28816
AT&T	T7250/T7252	UT21626	UT21626-TS	
	T7256/T7259	UT28626	UT28626-TS	
Intel	29C53AA	UT21626	UT21626-TS	
		UT28626	UT28626-TS	
Mietec	MTC-2072	UT21615	UT21615-TS	UT21802
		UT28615	UT28615-TS	UT28802
		UT21624	UT21624-TS	UT21816
		UT28624	UT28624-TS	UT28816
Mitel	MT8930 MT8931	UT21615	UT21615-TS	UT21802
		UT28615	UT28615-TS	UT28802
		UT21624	UT21624-TS	UT21816
		UT28624	UT28624-TS	UT28816
Motorola	MC145474	UT21627	UT21627-TS	
	MC145475	UT28627	UT28627-TS	
	MC145574	UT21626	UT21626-TS	
		UT28626	UT28626-TS	
National	TP3420 TP3421	UT21615	UT21615-TS	UT21802
		UT28615	UT28615-TS	UT28802
		UT21624	UT21624-TS	UT21816
		UT28624	UT28624-TS	UT28816
SGS Thomson	ST5420 ST5421	UT21615	UT21615-TS	UT21802
		UT28615	UT28615-TS	UT28802
		UT21624	UT21624-TS	UT21816
		UT28624	UT28624-TS	UT28816

### ISDN-IC/S<sub>2M</sub>-INTERFACE MODULE SELECTION

Chip Manufacturer	Chip Designation	Through Hole	SMT Design
Infineon	PEB2254	UT21629	UT21629-TS
		UT28629	UT28629-TS
Dallas	DS2186	UT21629	UT21629-TS
		UT28629	UT28629-TS
Exar	T5684	UT21629	UT21629-TS
		UT28629	UT28629-TS

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### ISDN-IC/S<sub>2M</sub>-INTERFACE TRANSFORMERS SELECTION

Chip Manufacturer	Chip Designation	Flat Design	Upright Design	SMT Design	IEC 950 Design
Infineon	PEB2235	UT21137	UT21527	UT21137-TS	UT21704
	PEB2236	UT28137	UT28527	UT28137-TS	UT28704
	PEB22320	UT21141	UT21556	UT21141-TS	UT21712
		UT28141	UT28556	UT28141-TS	UT28712
					UT21713
					UT28713
	PEB2254	UT21190	UT21519	UT21190-TS	
	UT28190	UT28519	UT28190-TS		
Crystal	CS61574	UT21137	UT21527	UT21137-TS	UT21763
	CS6158	UT28137	UT28527	UT28137-TS	UT28763
	CS61534				UT21706
	CS61544				UT28706
	CS61574A	UT21196	UT21581	UT21196-TS	
	CS61575	UT28196	UT28581	UT28196-TS	
Dallas	DS2186	UT21137	UT21527	UT21137-TS	UT21713
		UT28137	UT28527	UT28137-TS	UT28713
	DS2187				UT21763
				UT28763	
				UT21706	
				UT28706	
Exar	T5620/T5650	UT21137	UT21527	UT21137-TS	UT21763
	T5664/T5675	UT28137	UT28527	UT28137-TS	UT28763
	T5681/T5683				
	T6165/T6181				
	T5684	UT21137	UT21527	UT21137-TS	UT21763
	UT28137	UT28527	UT28137-TS	UT28763	
				UT21713	
				UT28713	
Mitel	MH89750	UT21196	UT21581	UT21196-TS	UT21763
		UT28196	UT28581	UT28196-TS	UT28763
	MH89760	UT21196	UT21581	UT21196-TS	UT21763
	MH89780	UT28196	UT28581	UT28196-TS	UT28763
	MT8976				
	MT8978				
	MH89790	UT21196	UT21581	UT21196-TS	UT21763
	MT8979	UT28196	UT28581	UT28196-TS	UT28763
Rockwell	R8069A	UT21137	UT21527	UT21137-TS	
	R8069/R8071	UT28137	UT28527	UT28137-TS	

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### ISDN-IC/U<sub>P0</sub>-INTERFACE TRANSFORMERS SELECTION

Chip Manufacturer	Chip Designation	Flat Design	Upright Design	SMT Design
Infineon	PEB2095	UT21128	UT21523	UT21128-TS
	PEB20950	UT21170	UT21599	UT21170-TS
	PEB2096	UT21120	UT21520	UT21120-TS
	PEB2196			
AMD	AM2095	UT21128	UT21523	UT21128-TS
	AM20950	UT21170	UT21599	UT21170-TS
National	TP3401	UT21171	UT21500	UT21171-TS
	TP3404	UT21153	UT21553	UT21153-TS

### ISDN-IC/U<sub>P0</sub>-INTERFACE MODULE SELECTION

Chip Manufacturer	Chip Designation	Through Design	SMT Design
Infineon	PEB2095	UT21620	UT21620-TS
	PEB20950	UT21622 UT21614	UT21622-TS UT21614-TS
	PEB2095	UT21620	UT21620-TS
AMD	PEB20950	UT21622 UT21614	UT21622-TS UT21614-TS

### ISDN-IC/U<sub>K0</sub>-INTERFACE MODULE SELECTION

Chip Manufacturer	Chip Designation	Through Design	SMT Design
Infineon	PEB2090	UT21619	UT21619-TS
		UT21623	UT21623-TS
		UT21625	UT21625-TS
AMD	AM20902	UT21619	UT21619-TS
		UT21623	UT21623-TS
		UT21625	UT21625-TS
Mietec	MTC2071	UT21619	UT21619-TS
		UT21623	UT21623-TS
		UT21625	UT21625-TS

### ISDN-IC/U<sub>K0</sub>-INTERFACE TRANSFORMERS SELECTION

Chip Manufacturer	Chip Designation	Flat Design	Upright Design	SMT Design
Infineon	PEB2090	UT21158	UT21579	UT21158-TS
		UT21140	UT21540	UT21140-TS
AMD	AM20902	UT21158	UT21579	UT21158-TS
		UT21140	UT21540	UT21140-TS
Mietec	MTC2071	UT21139	UT21524	UT21139-TS
		UT21140	UT21540	UT21140-TS
		UT21158	UT21579	UT21158-TS



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## ■ ISDN TRANSFORMERS SELECTION GUIDE

### ISDN-IC/U<sub>KO</sub>-INTERFACE TRANSFORMERS SELECTION

Chip Manufacturer	Chip Designation	UMEC Transformer	Configuration	Transmission Code	
Infineon	PEB2090	UT21902(S)	RM6 6PIN (8PIN DUAL)	4B3T	
		UT21904(S)	RM6 8PIN DUAL		
		UT21907(S)	RM6 8PIN DUAL		
		UT21942	RM8		
		UT21945	RM8		
	UT21972(S)	RM6 8PIN DUAL	2B1Q		
	PEB2091	UT21901(S)		RM6 6PIN (8PIN DUAL)	
		UT21906(S)		RM6 8PIN DUAL	
		UT21910		RM8 12PIN DUAL	
		UT21954		RM8	
UT21958		RM8			
AMD	AM20901	UT21963(S)	RM6 8PIN DUAL	2B1Q	
		UT21901(S)	RM6 6PIN (8PIN DUAL)		
		UT21906(S)	RM6 8PIN DUAL		
	AM20902	UT21902(S)	RM6 6PIN (8PIN DUAL)	4B3T	
		UT21904(S)	RM6 8PIN DUAL		
		UT21907(S)	RM6 8PIN DUAL		
Motorola	MC145472	UT21972(S)	RM6 8PIN DUAL	2B1Q	
		UT20579(S)	POT 23*11		
	MC145572	UT21960	RM8		
		UT20628(S)	POT 23*11		
		UT21001	RM8		
AT&T	T7262 T7263	UT21903(S)	RM6 8PIN DUAL	2B1Q	
		UT21905	RM8		
	T7256 T7264	UT21961	RM8		
		UT21921(S)	POT 23*11		
T7234/T7237 T7256/T7264	UT21921A	POT 23*18	2B1Q		
	UT21924	RM8			
National	TP3410	UT21928	EP20	2B1Q	
		UT20583(S)	POT 23*11		
		UT21911(S)	RM6 8PIN DUAL		
		UT21913(S)	RM6 8PIN DUAL		
		UT21917	RM8 12PIN DUAL		
SGS Thomson	ST5410	UT21959	RM8	2B1Q	
		UT20583(S)	POT 23*11		
		UT21911(S)	RM6 8PIN DUAL		
	ST5411	UT21913(S)	RM6 8PIN DUAL		2B1Q
		UT21917	RM8 12PIN DUAL		
UT21959	RM8				

Part No. Description:UT2XXXXS SMT package.

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## ■ ISDN TRANSFORMERS SELECTION GUIDE

### ISDN-IC/S<sub>0</sub>-INTERFACE TRANSFORMER FOR TYPE II PCMCIA APPLICATIONS SELECTION

Chip Manufacturer	Chip Designation	Transmit	Receive
AMD	AM79C30A	UT21023(A)	UT21023(A)
	AM79C32A	UT28113(A)-A UT28113(A)-B	UT28113(A)-A UT28113(A)-B
AT&T	T7250C	UT21024(A)	UT21024(A)
	T7256		
	T7259		
Cologne chip	HFC-S/S+SP(A)	UT21023(A)	UT21023(A)
	SPC/(A)	UT28113(A)-A UT28113(A)-B	UT28113(A)-A UT28113(A)-B
Mitel	MT8930	UT21023(A)	UT21023(A)
	MT8931	UT28113(A)-A UT28113(A)-B	UT28113(A)-A UT28113(A)-B
Motorola	MC145474	UT21022(A)	UT21022(A)
	MC145475		
	MC145574	UT21024(A)	UT21024(A)
National	TP3420	UT21023(A)	UT21023(A)
	TP3421	UT28113(A)-A UT28113(A)-B	UT28113(A)-A UT28113(A)-B
SGS Thomson	ST5420	UT21023(A)	UT21023(A)
	ST5421	UT28113(A)-A UT28113(A)-B	UT28113(A)-A UT28113(A)-B
Infineon	PEB2080, 2081	UT21023(A)	UT21023(A)
	PEB2084, 2085	UT28113(A)-A	UT28113(A)-A
	PEB2086, 2186	UT28113(A)-B	UT28113(A)-B



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### ISDN S<sub>0</sub>-INTERFACE TRANSFORMERS/MODULES SMALLEST SMT PACKAGE SELECTION

Chip Manufacturer	Chip Designation	Dual Transformer	Module With 50uH CMC	Module With 100uH CMC	Module With 500uH CMC
AMD	AM79C30A/32A	UT20795-00TS	UT20795-05TS	UT20795-10TS	UT20795-50TS
		UT20775-00TS	UT20775-05TS	UT20775-10TS	UT20775-50TS
Cologne Chip	HFC-S	UT20795-00TS	UT20795-05TS	UT20795-10TS	UT20795-50TS
		UT20775-00TS	UT20775-05TS	UT20775-10TS	UT20775-50TS
Lucent	T7234/T7250/ T7256/T7259	UT20798-00TS	UT20798-05TS	UT20798-10TS	UT20798-50TS
		UT20778-00TS	UT20778-05TS	UT20778-10TS	UT20778-50TS
	T7903	UT20795-00TS	UT20795-05TS	UT20795-10TS	UT20795-50TS
		UT20775-00TS	UT20775-05TS	UT20775-10TS	UT20775-50TS
Mietec/Alcatel	MTC-20172 MTK20276	UT20795-00TS	UT20795-05TS	UT20795-10TS	UT20795-50TS
		UT20775-00TS	UT20775-05TS	UT20775-10TS	UT20775-50TS
Mitel	MT8930/8931	UT20795-00TS	UT20795-05TS	UT20795-10TS	UT20795-50TS
		UT20775-00TS	UT20775-05TS	UT20775-10TS	UT20775-50TS
Motorola	MC145474/145475	UT20793-00TS	UT20793-05TS	UT20793-10TS	UT20793-50TS
		UT20773-00TS	UT20773-05TS	UT20773-10TS	UT20773-50TS
	MC145574	UT20798-00TS	UT20798-05TS	UT20798-10TS	UT20798-50TS
		UT20778-00TS	UT20778-05TS	UT20778-10TS	UT20778-50TS
	MC145575	UT20795-00TS	UT20795-05TS	UT20795-10TS	UT20795-50TS
		UT20775-00TS	UT20775-05TS	UT20775-10TS	UT20775-50TS
National	TP3420/3421	UT20795-00TS	UT20795-05TS	UT20795-10TS	UT20795-50TS
		UT20775-00TS	UT20775-05TS	UT20775-10TS	UT20775-50TS
SGS Thomson	ST5420/5421	UT20795-00TS	UT20795-05TS	UT20795-10TS	UT20795-50TS
		UT20775-00TS	UT20775-05TS	UT20775-10TS	UT20775-50TS
Infineon	PEB2080/2081/ 2084/2085	UT20795-00TS	UT20795-05TS	UT20795-10TS	UT20795-50TS
		UT20775-00TS	UT20775-05TS	UT20775-10TS	UT20775-50TS
	PSB2186	UT20793-00TS	UT20793-05TS	UT20793-10TS	UT20793-50TS
		UT20773-00TS	UT20773-05TS	UT20773-10TS	UT20773-50TS
	PSB21381-84SX "SCOUT"	UT20793-00TS	UT20793-05TS	UT20793-10TS	UT20793-50TS
		UT20773-00TS	UT20773-05TS	UT20773-10TS	UT20773-50TS
PEB20590	UT20793-00TS	UT20793-05TS	UT20793-10TS	UT20793-50TS	
	UT20773-00TS	UT20773-05TS	UT20773-10TS	UT20773-50TS	
Yamaha	YM7405B	UT20795-00TS	UT20795-05TS	UT20795-10TS	UT20795-50TS
		UT20775-00TS	UT20775-05TS	UT20775-10TS	UT20775-50TS

\*CMC: COMMON MODE CHOKE.

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# **TRANSFORMERS SELECTION GUIDE**

## ■ ISDN TRANSFORMERS SELECTION GUIDE

### ISDN S-INTERFACE MODULES SMALLEST SMT PACKAGE-EN60950/IEC950 DESIGNED

Chip Manufacturer	Chip Designation	Dual Transformer	Module With 50uH CMC	Module With 100uH CMC	Module With 500uH CMC
AMD	AM79C30A/32A	UT20765-00TS	UT20765-05TS	UT20765-10TS	UT20765-50TS
		UT20755-00TS	UT20755-05TS	UT20755-10TS	UT20755-50TS
Cologne Chip	HFC-S	UT20765-00TS	UT20765-05TS	UT20765-10TS	UT20765-50TS
		UT20755-00TS	UT20755-05TS	UT20755-10TS	UT20755-50TS
Lucent	T7234/T7250/ T7256/T7259	UT20768-00TS	UT20768-05TS	UT20768-10TS	UT20768-50TS
		UT20758-00TS	UT20758-05TS	UT20758-10TS	UT20758-50TS
	T7903	UT20765-00TS	UT20765-05TS	UT20765-10TS	UT20765-50TS
		UT20755-00TS	UT20755-05TS	UT20755-10TS	UT20755-50TS
Mietec	MTC-20172	UT20765-00TS	UT20765-05TS	UT20765-10TS	UT20765-50TS
		UT20755-00TS	UT20755-05TS	UT20755-10TS	UT20755-50TS
Mitel	MT8930/8931	UT20765-00TS	UT20765-05TS	UT20765-10TS	UT20765-50TS
		UT20755-00TS	UT20755-05TS	UT20755-10TS	UT20755-50TS
Motorola	MC145474/145475	UT20763-00TS	UT20763-05TS	UT20763-10TS	UT20763-50TS
		UT20753-00TS	UT20753-05TS	UT20753-10TS	UT20753-50TS
	MC145574	UT20768-00TS	UT20768-05TS	UT20768-10TS	UT20768-50TS
		UT20758-00TS	UT20758-05TS	UT20758-10TS	UT20758-50TS
	MC145575	UT20765-00TS	UT20765-05TS	UT20765-10TS	UT20765-50TS
		UT20755-00TS	UT20755-05TS	UT20755-10TS	UT20755-50TS
National	TP3420/3421	UT20765-00TS	UT20765-05TS	UT20765-10TS	UT20765-50TS
		UT20755-00TS	UT20755-05TS	UT20755-10TS	UT20755-50TS
SGS Thomson	ST5420/5421	UT20765-00TS	UT20765-05TS	UT20765-10TS	UT20765-50TS
		UT20755-00TS	UT20755-05TS	UT20755-10TS	UT20755-50TS
Infineon	PEB2080-81/-84/-85 /-86/PSB2186 PSB2115/2154	UT20765-00TS	UT20765-05TS	UT20765-10TS	UT20765-50TS
		UT20755-00TS	UT20755-05TS	UT20755-10TS	UT20755-50TS
	PEB20590/591 PSB3081/-86/3186 PSB21150 PSB21381-84SX	UT20763-00TS	UT20763-05TS	UT20763-10TS	UT20763-50TS
		UT20753-00TS	UT20753-05TS	UT20753-10TS	UT20753-50TS
	PEB20590	UT20763-00TS	UT20763-05TS	UT20763-10TS	UT20763-50TS
		UT20753-00TS	UT20753-05TS	UT20753-10TS	UT20753-50TS
Yamaha	YM7405B	UT20765-00TS	UT20765-05TS	UT20765-10TS	UT20765-50TS
		UT20755-00TS	UT20755-05TS	UT20755-10TS	UT20755-50TS

\*CMC: COMMON MODE CHOKE.



# **TRANSFORMERS SELECTION GUIDE**

## ■ ISDN TRANSFORMERS SELECTION GUIDE

### ISDN S-INTERFACE MODULES SURFACE MOUNT PACKAGE-EN60950/IEC950 DESIGNED

Chip Manufacturer	Chip Designation	Dual Transformer	Module With 50uH CMC	Module With 100uH CMC	Module With 500uH CMC
AMD	AM79C30A/32A	UT20465-00TS	UT20465-05TS	UT20465-10TS	UT20465-50TS
		UT20455-00TS	UT20455-05TS	UT20455-10TS	UT20455-50TS
Cologne Chip	HFC-S	UT20465-00TS	UT20465-05TS	UT20465-10TS	UT20465-50TS
		UT20455-00TS	UT20455-05TS	UT20455-10TS	UT20455-50TS
Lucent	T7234/T7250/ T7256/T7259	UT20468-00TS	UT20468-05TS	UT20468-10TS	UT20468-50TS
		UT20458-00TS	UT20458-05TS	UT20458-10TS	UT20458-50TS
	T7903	UT20465-00TS	UT20465-05TS	UT20465-10TS	UT20465-50TS
		UT20455-00TS	UT20455-05TS	UT20455-10TS	UT20455-50TS
Mietec	MTC-20172	UT20465-00TS	UT20465-05TS	UT20465-10TS	UT20465-50TS
		UT20455-00TS	UT20455-05TS	UT20455-10TS	UT20455-50TS
Mitel	MT8930/8931	UT20465-00TS	UT20465-05TS	UT20465-10TS	UT20465-50TS
		UT20455-00TS	UT20455-05TS	UT20455-10TS	UT20455-50TS
Motorola	MC145474/145475	UT20463-00TS	UT20463-05TS	UT20463-10TS	UT20463-50TS
		UT20453-00TS	UT20453-05TS	UT20453-10TS	UT20453-50TS
	MC145574	UT20468-00TS	UT20468-05TS	UT20468-10TS	UT20468-50TS
		UT20458-00TS	UT20458-05TS	UT20458-10TS	UT20458-50TS
	MC145575	UT20465-00TS	UT20465-05TS	UT20465-10TS	UT20465-50TS
		UT20455-00TS	UT20455-05TS	UT20455-10TS	UT20455-50TS
National	TP3420/3421	UT20465-00TS	UT20465-05TS	UT20465-10TS	UT20465-50TS
		UT20455-00TS	UT20455-05TS	UT20455-10TS	UT20455-50TS
SGS Thomson	ST5420/5421	UT20465-00TS	UT20465-05TS	UT20465-10TS	UT20465-50TS
		UT20455-00TS	UT20455-05TS	UT20455-10TS	UT20455-50TS
Infineon	PEB2080-81/-84/-85 /-86/PSB2186 PSB2115/2154	UT20465-00TS	UT20465-05TS	UT20465-10TS	UT20465-50TS
		UT20455-00TS	UT20455-05TS	UT20455-10TS	UT20455-50TS
	PEB20590/591 PSB3081/-86/3186 PSB21150 PSB21381-84SX	UT20463-00TS	UT20463-05TS	UT20463-10TS	UT20463-50TS
		UT20453-00TS	UT20453-05TS	UT20453-10TS	UT20453-50TS
	PEB20590	UT20463-00TS	UT20463-05TS	UT20463-10TS	UT20463-50TS
		UT20453-00TS	UT20453-05TS	UT20453-10TS	UT20453-50TS
Yamaha	YM7405B	UT20465-00TS	UT20465-05TS	UT20465-10TS	UT20465-50TS
		UT20455-00TS	UT20455-05TS	UT20455-10TS	UT20455-50TS

\*CMC: COMMON MODE CHOKE.



# **TRANSFORMERS SELECTION GUIDE**

## ■ HDSL TRANSFORMERS SELECTION GUIDE

<b>Chip Manufacturer</b>	<b>Chip Designation</b>	<b>UMEC Transformer</b>	<b>Configuration</b>	<b>Application</b>	
Brooktree	BT8952	UT20621(S)	POT23*11(SMD)	784 kbps (2 pair)	
	BT8952	UT20622(S)	POT23*11(SMD)	1168 kbps (2 pair)	
	BT8921	UT20300(S)	POT23*11(SMD)	784 kbps (2 pair)	
	BT8921	UT20301(S)	POT23*11(SMD)	1168 kbps (2 pair)	
	BT8960	UT20001(S)	POT23*11(SMD)	416 kbps	
	BT8960	UT20002(S)	POT23*11(SMD)	288 kbps	
	BT8960	UT20004(S)	POT23*11(SMD)	160 kbps	
	BT8960	UT67912(S)	EP13(SMD)	288 kbps	
	BT8921&BT8970	UT67928(S)	EP13(SMD)	1168 kbps	
	BT8921&BT8970	UT67929(S)	EP13(SMD)	784 kbps	
	BT8960	UT67930(S)	EP13(SMD)	416 kbps	
	BT8960	UT67931(S)	EP13(SMD)	160 kbps	
	Level One	SK70704	UT20614(S)	POT23*11(SMD)	784 kbps (2 pair)
		SK70704	UT20650(S)	POT23*11(SMD)	1168 kbps (2 pair)
SK70704		UT67182	EE19		
SK70720		UT20102(S)	POT23*11(SMD)	784 kbps	
SK70721					
Metalink	MTH1640B	UT67699(S)	POT23*11(SMD)		
	MTH1440B				
	MTH1240B				
	MTH840B				
	MTH2440B	UT67719	EFD20		
	MTH2040B				
	MTH1640B				
	MTH1440B				
	MTH1240B				
	MTH840B				



# TRANSFORMERS SELECTION GUIDE

## ■ ADSL TRANSFORMERS SELECTION GUIDE

UMEC Transformer	Turns Ratio Chip : Line	Inductance Line Side(uH)	Isolation Voltage(Vrms)	Safety		Configuration	Applications
				UL1459	IEC950		
<b>Alcatel MTK20150 ADSL Chipset</b>							
UT20124	1CS:2CS	409.5±5%	2000	•		RM8	CO
UT20131(S)	1CS:2CS	409.5±5%	2000	•		EP13(SMD)	CO
UT20148(S)	1CS:2CS	409.5±5%	1500		•	EP13(SMD)	CO
<b>Alcatel MTK20140/131 ADSL Chipset</b>							
UT20114(S)	1CS:1CS	440±5%	2000	•		POT2311 (SMD)	ADSL MODEM,CPE
UT20128(S)	1CS:1CS	470±5%	1500	•		EP13 (SMD)	CPE
UT20137(S)	1CS:1CS	470±5%	1500	•		EP13 (SMD)	CPE
UT20135(S)	1CS:1CS	440±5%	1875		•	EP13(SMD)	CPE
<b>Analog Devices AD20ms910/918 ADSL Chipset</b>							
UT20112(S)	1CS:1CS	5000±10%	1500	•		EP13 (SMD)	CO & CPE
UT20116(A)	1CS:1	25500min.	1500		•	EP13	
UT20118S	1CS:1CS	5000±10%	1875		•	EP13 (SMD)	CO & CPE
UT20136(S)	1CS:1CS	5000±10%	1875		•	EP13 (SMD)	CO & CPE
<b>Centillium CT-L10AT01-01T ADSL CHIPSET</b>							
UT20150(S)	1.1CS:1	368±5%	1500	•		EP13 (SMD)	LINEAR TECH DRIVER
UT20151(S)	1.1CS:1	368±5%	1500		•	EP13 (SMD)	LINEAR TECH DRIVER
<b>Conexant AccessRunner(CN9001,20441) ADSL Chipset</b>							
UT20152(S)	1CS:2CS	800±5%	1500		•	EP13 (SMD)	CO&CPE
<b>Globespan EL-1501C ADSL Chipset</b>							
UT20103	1.4CS:1CS	475±10%	3000		•	LP23/8	CO
UT20115	1CS:1CS	410±10%	3000		•	LP23/8	CPE
UT20125(S)	1CS:1CS	407.5±5%	1875		•	EP13 (SMD)	CPE
UT20126(S)	1.4CS:1CS	476.5±5%	1875		•	EP13 (SMD)	CO
<b>Globespan GS-7000 ADSL Chipset</b>							
UT20134(S)	1CS:1CS	407.5±5%	1500		•	EP13 (SMD)	CPE
<b>Globespan ADSL Chipset</b>							
UT20104	1CS:1CS	440±10%	3000		•	LP23/8	RADSL TRANSCEIVER
UT20105	1CS:1CS	368±5%	3000		•	LP23/8	E1 ADSL
<b>Linear Technology LT1497 ADSL Chipset</b>							
UT20150(S)	1.1CS:1	368±5%	1500	•		EP13 (SMD)	USES CENTILLIUM IC
UT20151(S)	1.1CS:1	368±5%	1500		•	EP13 (SMD)	USES CENTILLIUM IC
<b>Itex</b>							
UT20128(S)	1CS:1CS	470±5%	1500	•		EP13 (SMD)	CPE
UT20137(S)	1CS:1CS	470±5%	1500	•		EP13 (SMD)	CPE
UT20135(S)	1CS:1CS	440±5%	1875		•	EP13(SMD)	CPE
UT34226				•		EP13	POTS INDUCTOR

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# **TRANSFORMERS SELECTION GUIDE**

## ■ ADSL TRANSFORMERS SELECTION GUIDE

UMEC Transformer	Turns Ratio Chip : Line	Inductance Line Side(uH)	Isolation Voltage(Vrms)	Safety UL1459 IEC950	Configuration	Applications
<b>LUCENT Wildwire ADSL Chipset</b>						
UT20129(S)	1CS:1CS	1250±10%	1500	•	EP13 (SMD)	LINE ISOLATION
UT20149(S)	1CS:1CS	1250±5%	1500	•	EP13 (SMD)	LINE ISOLATION
UT20130(s)	1:3.330	10000min.	1250	•	EP7(SMD)	5V SIGNAL BOOST
UT20138(s)	1:2	10000min.	1250	•	EP7(SMD)	12V SIGNAL BOOST
<b>Motorola MC03AX1456CO ADSL Chipset</b>						
UT20108	1CS:1.2CS	3960 ±10%	1500	•	POT2311	CO
UT20143(S)	1CS:1.2CS	3960 ±5%	1875	•	EP13 (SMD)	CO
<b>Motorola MC03AX1456RT ADSL Chipset</b>						
UT20109	1.8CS:1CS	3960 ±10%	1500	•	POT2311	CPE
UT20147(S)	1.8CS:1CS	3960 ±10%	1875	•	EP13 (SMD)	CPE
<b>Texas Instruments TNETD 3000/4000 ADSL Chipset</b>						
UT20144(S)	1CS:1.95CS	1500±10%	1500	•	EP13 (SMD)	CO&CPE
UT20153A(S)	1CS:1.423CS	1500±10%	1500	•	EP13 (SMD)	CPE

NOTE: 1.)When ordering SMD Type, add "S" at end of the part number (ex.UT20114S)

2.)CO : Central Office.

CPE : Customer Premise Equipment.

CS: Center Split



# TRANSFORMERS SELECTION GUIDE

## ■ T1/E1/CEPT/ISDN-PRI TRANSFORMERS SELECTION GUIDE

Company	IC Part Number	Comments	Dual SMT		Dual SMT		Single Through Hole				Dual Through Hole		Reinforced 3.0Kvrms Single through hole	
			Std Temp	Ext Temp	Std Temp	Ext Temp	Std Temp		Ext Temp		Std Temp	Ext Temp	Tx	Rx
			Tx & Rx	Tx & Rx	Tx & Rx	Tx & Rx	Tx	Rx	Tx	Rx	Tx & Rx	Tx & Rx	Tx	Rx
<b>Conexant (Rockwell)</b>														
BT8510	T1/E1		UT23866	UT23068	UT23766	UT23826	UT23389	UT23351	UT23664	UT23771	UT23566	UT23568	UT23839	UT23835
BT8510	T1/E1		UT23841		UT23766	UT23826	UT23389	UT23351	UT23664	UT23771	UT23566	UT23568	UT23839	UT23835
BT8370/5/6	BETTER RL		UT23026		UT23762	UT23822	UT23937	UT23936	UT23340	UT23771	UT23952	UT23774	UT23832	UT23834
BT8370/5/6	Low power		UT23865	UT23067	UT23765	UT23825	UT23388	UT23936	UT23770	UT23771	UT23565	UT23567	UT23838	UT23834
<b>Cirrus Logic (Crystal)</b>														
61318	120E1		UT23878	UT23062	UT23877	UT23877	UT23351	UT23936	UT2771	UT23778	UT23951	UT23568	UT23835	UT23835
61318	75E1						UT23648	UT23936	UT23648	UT23778			UT23646	UT23835
61577	T1&E1		UT23861	UT23022	UT23821	UT23821	UT23351	UT23351	UT23771	UT23771	UT23951		UT23835	UT23835
61304A/05A/535A/74A/75/58A	T1		UT23865	UT23067	UT23765	UT23825	UT23388	UT23936	UT23770	UT23771	UT23565	UT23567	UT23838	UT23835
61304A/05A/535A/74A/75/58A	75E1		UT23866	UT23068	UT23766	UT23826	UT23389	UT23351	UT23664	UT23771	UT23566	UT23568	UT23839	UT23835
61304A/05A/535A/74A/75/58A	120E1		UT23866	UT23068	UT23766	UT23826	UT23389	UT23351	UT23664	UT23771	UT23566	UT23568	UT23839	UT23835
61582,61583	-		UT23870	UT23069	UT23874	UT23874	UT23388	UT23388	UT23770	UT23770			UT23838	UT23838
61310,61581	-		UT23878	UT23062	UT23877	UT23877	UT23351	UT23936	UT23771	UT23778	UT23951	UT23568	UT23835	UT23835
61310,61581	HOST		UT23065	UT23070			UT23351	UT23351	UT23771	UT23771	UT23951		UT23835	UT23835
61881	-		UT23865	UT23067	UT23765	UT23825	UT23388	UT23351	UT23770	UT23771	UT23565	UT23567	UT23838	UT23835
61584/84A	IQ3		UT23861	UT23022	UT23761	UT23821	UT23351	UT23351	UT23771	UT23771	UT23951		UT23835	UT23835
61582/83A/84	IQ5		UT23870	UT23069	UT23874	UT23874	UT23388	UT23388	UT23770	UT23770			UT23838	UT23838
<b>Dallas Semiconductor</b>														
DS2186/87	-		UT23865	UT23067	UT23765	UT23825	UT23388	UT23936	UT23770	UT23778	UT23565	UT23567	UT23838	UT23834
DS2186/87	-		UT23824		UT23762	UT23822	UT23586	UT23636	UT23340	UT23778	UT23952	UT23774	UT23832	UT23834
DS2151/2152/2153/2154	-		UT23865	UT23067	UT23765	UT23825	UT23388	UT23936	UT23770	UT23778	UT23565	UT23567	UT23838	UT23834
DS2151/2152/2153/2154	-		UT23824		UT23762	UT23822	UT23586	UT23936	UT23340	UT23778	UT23952	UT23774	UT23832	UT23834
DS2148/Q48	3V		UT23878	UT23062	UT23877	UT23877	UT23351	UT23936	UT23771	UT23778	UT23951	UT23568	UT23838	UT23838
DS2148/Q48	5V		UT23824		UT23762	UT23822	UT23586	UT23936	UT23340	UT23778	UT23952	UT23774	UT23832	UT23834
DS21352/Q352,DS21354/Q354	-		UT23878	UT23062	UT23877	UT23877	UT23351	UT23936	UT23741	UT23778	UT23951	UT23568	UT23838	UT23838
DS21552/Q552,DS21554/Q554	-		UT23865	UT23067	UT23765	UT23825	UT23388	UT23936	UT23770	UT23778	UT23565	UT23567	UT23838	UT23834
DS21552/Q552,DS21554/Q554	-		UT23824		UT23762	UT23822	UT23586	UT23936	UT23340	UT23778	UT23952	UT23774	UT23832	UT23834
<b>Exar</b>														
T5683A,59L91	-		UT23861	UT23022	UT23761	UT23821	UT23415	UT23415	UT23771	UT23771	UT23951		UT23835	UT23835
T5894,T5897,T5997	-		UT23861	UT23022	UT23761	UT23821	UT23415	UT23415	UT23771	UT23771	UT23951		UT23835	UT23835
T5791/93/94/95	-		UT23866	UT23068	UT23766	UT23826	UT23389	UT23934	UT23664	UT23778	UT23566	UT23568	UT23839	UT23834
T5684	-		UT23862	UT23066	UT23762	UT23822	UT23937	UT23415	UT23340	UT23771	UT23952	UT23774	UT23832	UT23835
T7288	CEPT1		UT23862	UT23066	UT23762	UT23822	UT23937	UT23351	UT23340	UT23771	UT23552	UT23774	UT23837	UT23835
<b>GW Telecom Technology</b>														
GW7600/7620	T1/E1		UT23861	UT23022	UT23761	UT23821	UT23351	UT23351	UT23771	UT23771	UT23951		UT23835	UT23835
<b>Infineon Technologies(Siemens)</b>														
PEB2254/55	E1/T1/J1		UT23804	UT23071	UT23887	UT23887							UT20788	UT20788
PEB2254/55	E1/T1/J1		UT23805	UT23072	UT23887	UT23887							UT20788	UT20788
PEB22504	3.3V				UT23823									
PEB22504	5V				UT23823									
PEB22554	3.3V				UT23823									
PEB22556/3.3V	E1/T1/J1				UT23823									
<b>Level One(Intel)</b>														
LXT300/301	-		UT23861	UT23022	UT23761	UT23821	UT23351	UT23351	UT23771	UT23771	UT23951		UT23835	UT23835
LXT304/305/307	T1/E1		UT23861	UT23022	UT23761	UT23821	UT23351	UT23351	UT23771	UT23771	UT23951		UT23835	UT23835
LXT304/305/307	T1		UT23865	UT23067	UT23765	UT23825	UT23388	UT23351	UT23770	UT23771	UT23565	UT23567	UT23838	UT23835
LXT304/305/307	75/120E1		UT23866	UT23068	UT23766	UT23826	UT23389	UT23351	UT23664	UT23771	UT23566	UT23568	UT23839	UT23835
LXT304/305/307	DSX-1,D4		UT23840		UT23881	UT23881	UT23558	UT23351						
LXT310/311	-		UT23878	UT23062	UT23877	UT23877	UT23351	UT23936	UT23771	UT23778	UT23954		UT23835	UT23834
LXT312/313/315	-						UT23933	UT23936	UT23600	UT23778		UT23950	UT23836	UT23834
LXT317/318/319	-		UT23878	UT23062	UT23877	UT23877	UT23351	UT23936	UT23771	UT23778	UT23954		UT23835	UT23834
LXT331	T1-E1		UT23878	UT23062	UT23877	UT23877	UT23351	UT23936	UT23771	UT23778	UT23954		UT23835	UT23834
LXT331/332	-		UT23861	UT23022	UT23761	UT23821	UT23351	UT23351	UT23771	UT23771	UT23951		UT23835	UT23835
LXT331/332	-		UT23840		UT23881	UT23558	UT23351						UT23835	UT23835
LXT331/332	-		UT23865	UT23067	UT23765	UT23825	UT23388	UT23351	UT23770	UT23771	UT23565		UT23838	UT23835
LXT334/335	T1/E1		UT23861	UT23022	UT23761	UT23821	UT23351	UT23351	UT23771	UT23771	UT23951		UT23835	UT23835
LXT334/335	120/75E1		UT23862	UT23066	UT23762	UT23822	UT23586	UT23351	UT23340	UT23771	UT23952	UT23774	UT23832	UT23835
LXT334/335	75E1		UT23866	UT23066	UT23765	UT23826	UT23389	UT23351	UT23664	UT23771	UT23566	UT23568	UT23839	UT23835
LXT350/361	T1		UT23065	UT23070	UT23882	UT23882	UT23388	UT23936	UT23770	UT23778	UT23565	UT23567	UT23838	UT23834
LXT351/359/361	T1/E1		UT23878	UT23062	UT23877	UT23877	UT23351	UT23936	UT23771	UT23778	UT23954		UT23835	UT23834
LXT351/360	120E1		UT23840		UT23881	UT23558	UT23351						UT23835	UT23834
LXT380/381/384/386/388	T1/E1		UT23878	UT23062	UT23877	UT23877	UT23351	UT23936	UT23771	UT23778	UT23954		UT23835	UT23834
LXT380/381/384/386/388	T1/E1		UT23861	UT23022	UT23761	UT23821	UT23351	UT23351	UT23771	UT23771	UT23951		UT23835	UT23835
<b>Lucent Technologies</b>														
T7288,T7290A	CEPT		UT23862	UT23066	UT23762	UT23822	UT23586	UT23415	UT23340	UT23771	UT23952	UT23774	UT23832	UT23835
T7289A	DS1		UT23865	UT23067	UT23765	UT23825	UT23379	UT23351	UT23770	UT23771	UT23565	UT23567	UT23838	UT23835
T7688,T7690,T7698	CEPT				UT23884	UT23884	UT23586	UT23586	UT23340	UT23340			UT23832	UT23832
T7688,T7690,T7698	DS1		UT23870	UT23069	UT23874	UT23874	UT23379	UT23379	UT23770	UT23770			UT23838	UT23838
T7693	CEPT		UT23061	UT23074										
TLIU4C1	DS1		UT23870	UT23069	UT23874	UT23874	UT23379	UT23379	UT23770	UT23770			UT23838	UT23838
TLIU4C1	CEPT				UT23884	UT23884	UT23586	UT23586	UT23340	UT23340			UT23832	UT23832
<b>Mitel</b>														
MT9071,MT9076	-		UT23061	UT23074										
MT9071,MT9076	-													
MT9074,MT9075	-		UT23878	UT23062	UT23877	UT23877	UT23351	UT23934	UT23771	UT23778	UT23954	UT23568	UT23835	UT23834
<b>PMC-Sierra</b>														
PM4341/6341/4314	-		UT23862	UT23066	UT23762	UT23822	UT23937	UT23351	UT23340	UT23771	UT23952	UT23774	UT23832	UT23835
PM4351/4354	COMET		UT23061	UT23074										
<b>Visi</b>														
VP14Q574	T1		UT23865	UT23067	UT23765	UT23825	UT23388	UT23351	UT23770	UT23771	UT23565	UT23567		UT23835
VP14Q574	E1		UT23866	UT23068	UT23766	UT23826	UT23389	UT23351	UT23664	UT23771	UT23566	UT23568	UT23839	UT23835

# **TRANSFORMERS SELECTION GUIDE**

## ■ T1/E1/CEPT/ISDN-PRI TRANSFORMERS SELECTION GUIDE

IC Manufacturer IC Part Number	Comments	Std Temp	Quad Port Ext Temp
<b>Conexant (Rockwell)</b>			
BT8370	T1/E1	UT23035	UT23052
CN8380	T1/E1	UT23023	UT23058
R8069,R8069A,R8069B	-	UT23036	UT23031
<b>Cirrus Logic (Crystal)</b>			
61534,61544,61574,6158,61535	T1&PCM-30	UT23028	UT23050
61535A,61574A,61575,6158A	T1	UT23037	UT23054
61535A,61574A,61575,6158A	E1	UT23028	UT23050
6152	-	UT23035	UT23052
61583	T1/E1(3.3V)	UT23040	UT23057
61583	T1/E1(5.0V)	UT23039	UT23056
61584,61584A	IQ3	UT23028	UT23050
<b>Dallas Semiconductor</b>			
DS2186,DS2187	-	UT23035	UT23052
DS2151,DS2152,DS2153,DS2154	T1/E1	UT23035	UT23052
DS21Q352,DS21Q354	3V Quad	UT23036	UT23031
DS21Q552,DS21Q554	5V Quad	UT23035	UT23052
<b>Exar</b>			
TT5650,T5620,T5675,5683	-	UT23028	UT23050
56L22,56L85,C240,C260,C262,C277	-	UT23028	UT23050
T5793,T5794	Quad E1	UT23038	UT23055
T5684	T1	UT23035	UT23052
T7288	CEPT1	UT23035	UT23052
T5894	Quad E1	UT23028	UT23050
T5897	7-Channel E1	UT23028	UT23050
<b>Level One (Intel)</b>			
LXT300/301/305	-	UT23028	UT23050
LXT304A/305A	T1	UT23037	UT23054
LXT304A/305A	PCM-30/75/120	UT23038	UT23055
LXT310/311	-	UT23036	UT23031
LXT317/318	T1/E1	UT23028	UT23050
LXT317/318	T1/E1 (Alternate)	UT23034	UT23051
LXT317/318	T1/E1 (Alternate)	UT23036	UT23031
LXT331	E1	UT23036	UT23031
LXT332	E1	UT23028	UT23050
LXT332	E1 (Alternate)	UT23034	UT23051
LXT334	Quad E1	UT23035	UT23052
LXT334	Quad T1	UT23036	UT23031
LXT335	Quad E1	UT23035	UT23052
LXT360/361/370	T1/E1	UT23036	UT23031
LXT380/381/384/386/388	T1/E1	UT23036	UT23031
LXT380/381/384/386/388	T1/E1	UT23023	UT23058
<b>Lucent Technologies</b>			
T7288	CEPT	UT23035	UT23052
T7289	DS1	UT23037	UT23054
T7290	T1&CEPT	UT23035	UT23052
T7633	Dual T1/E1	UT23046/47	-
T7683	Quad T1	UT23028	UT23050
T7688	Quad E1	UT23032	UT23048
T7689	Quad T1	UT23033	UT23049
T7690	DS1	UT23033	UT23049
T7690	CEPT	UT23032	UT23048
<b>PMC-Sierra</b>			
PM4341,PM6341,PM4314	-	UT23035	UT23052
PM4351	COMET	UT23045	-
<b>Infineon Technologies (Siemens)</b>			
PEB2254/2255	5V	UT23025	UT23053
PEB22554/22504	3.3V	UT23024/44	UT23027
PEB22504	5V	-	UT23059
<b>VLSI</b>			
VP14Q574	T1	UT23037	UT23054
VP14Q574	E1	UT23037	UT23054
VP14Q575	T1	UT23037	UT23054
VP14Q575	75E1	UT23037	UT23054

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**3,27TH RD.,TAICHUNG INDUSTRIAL PARK,  
TAICHUNG,TAIWAN,R.O.C.**

# **TRANSFORMERS SELECTION GUIDE**

## ■ T3/DS3/E3/STS-1 TRANSFORMERS SELECTION GUIDE

Chip Manufacturer	Surface Mount		Through Hole (1500 Vrms)		Through Hole (3000 Vrms)	
	Transmit	Receive	Transmit	Receive	Transmit	Receive
AT&T/Lucent T7296	UT23967	—	UT23666	—	UT23629	—
Exar XR-T7296	UT23967	—	UT23666	—	UT23629	—
Ilicon Systems						
SSI 78P236,DS3	UT23968	UT23967	UT23969	UT23666	UT23630	UT23629
SSI 78P7200,DS3	UT23968	UT23967	UT23969	UT23666	UT23630	UT23629
SSI 78P7200,E3	UT23968	UT23968	UT23969	UT23669	UT23630	UT23630
SSI 78P2361,STS-1	UT23968	UT23967	UT23969	UT23666	UT23630	UT23629
SSI 78P2362,E3	UT23968	UT23967	UT23969	UT23666	UT23630	UT23629
Transwitch						
MRT TXC-02050 <sup>*</sup> ,E3	UT23968	UT23967	UT23969	UT23666	UT23630	UT23629
ART 02020 DS3,STS-1	UT23967	UT23967	UT23666	UT23666	UT23629	UT23629

\* ) The Transwitch MRT TXC-02050 chip is also designed to operate in 6.312 and 8.448 Mbps interfaces. A 1:1 transformer UT23934 is recommended.

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