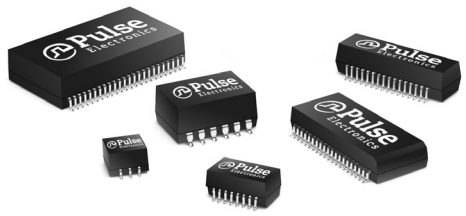
TELECOMMUNICATION PRODUCTS



Pulse is a leading provider of magnetics for telecom infrastructure equipment, customer premises equipment, audio interface applications, and emerging applications such as VoIP. Our broad portfolio of transformers and integrated transformer modules support T1/E1/ISDN-PRI, T3/E3/STS-1, ISDN-S, ISDN-U, Digital Audio, and DDS.

Package options include surface mount, through hole, single, dual, quad and octal, covering standard and extended temperature ranges. Many parts meet ANSI, ITU, and ETIS requirements, and many are recognized by UL, TUV, Austel and/or CSA. Numerous models incorporate our patented "Interlock Base" construction, ensuring high reliability. The "Telecom IC Cross Reference" starts below.

TELECOM IC CROSS REFERENCES

ISDN S-Interface

IC Manufacturer/ Part Number	Dual SMT	Single THT	Dual THT	Dual SMT Module, 3 kVrms	THT Module w/ Choke 1.5 kVrms	Single THT 3 kVrms	PCMCIA
	TX & RX	TX & RX	TX & RX	TX & RX	TX & RX	TX & RX	TX & RX
Alcatel (Microelectronics)							
MTC2072, MTC20172, MTC20276/77	PE-65795/T5007NL LP/ST5069	PE-64995	PE-65495	T5038/ST5201	T5015/T5012	PE-68995/T5035	T5003
AMD							
AM79C30/32	PE-65799	PE-64999	PE-65499	T5038/ST5201	T5015/T5012	PE-68995/T5035	TT5003
Cologne Chip Design							
HFC-SXX	PE-65795/T5007NL LP/ST5069	PE-64995	PE-65495	T5038/ST5201	T5015/T5012	PE-68999/T5035	T5003
Infineon Technologies (Siemens)							
PEB2080/81/84/85/86	PE-65795/T5007NL LP/ST5069	PE-65495	PE-65495	T5038/ST5201	T5015/T5012	PE-68995/T5035	T5003
PSB2115/86	PE-65795/T5007NL LP/ST5069	PE-65495	PE-65495	T5038/ST5201	T5015/T5012	PE-68995/T5035	T5003
PSB21381/82/83/84	PE-65793/T5008NL LP/ST5048	PE-65493	PE-65493	T5049NL	T5011	PE-68993	T5002
PEB3018/86,PSB3186	PE-65793/T5008NL LP/ST5048	PE-65493	PE-65493	T5049NL	T5011	PE-68993	T5002
PEB8090/91, PEB8190/91	—	—	—	T5038/ST5201	T5015/T5012	PE-68995/T5035	—
Intel							
29C53	PE-65795/T5010NL LP/ST5069	PE-64995	PE-65495	T5038/ST5201	T5015/T5012	PE-68995/T5035	T5003
Lucent Technologies							
T7234, T7254	PE-65798/T5005NL LP	PE-64998	PE-65498	T5037NL/T5039NL	T5013	PE-68998	T5004
T7250/56/59	PE-65798/T5005NL LP	PE-64998	PE-65498	T5037NL/T5039NL	T5013	PE-68998	T5004
T7901/03	PE-65795/T5010NL LP/ST5069	PE-64995	PE-65495	T5038/ST5201	T5015/T5012	PE-68995/T5035	T5003
Mitel							
MT8930/31	PE-65795/T5010NL LP/ST5069	PE-64995	PE-65495	T5038/ST5201	T5015/T5012	PE-68995/T5035	T5003
Motorola							
MC145474/475	PE-65793/T5008NL LP/ST5048	PE-64993	PE-65493	T5049NL	T5011	PE-68993	T5002
MC145574	PE-65798/T5005NL LP	PE-64998	PE-65498	T5037NL/T5039NL	T5013	PE-68998	T5004
National Semiconductor							
TP3420/21	PE-65795/T5007NL LP/ST5069	PE-64995	PE-65495	T5038/ST5201	T5015/T5012	PE-68995/T5035	T5003
SGS Thompson							
ST5420/21	PE-65795/T5007NL LP/ST5069	PE-64995	PE-65495	T5038/ST5201	T5015/T5012	PE-68995/T5035	T5003
Yamaha							
7405B, YTD421	PE-65795/T5007NL LP/ST5069	PE-64995	PE-65495	T5038/ST5201	T5015/T5012	PE-68995/T5035	T5003

***NOTE: LP** = Low Profile*

SMT - Surface Mount Package **THT** - Through Hole Package

TELECOMMUNICATION PRODUCTS

TELECOM IC CROSS REFERENCE *(continued)*

T3/DS3/E3/STS1

IC Manufacturer/ IC Part NUmber	12 Xfmrs Ext. Temp	6 Xfmrs Ext. Temp.	Dual SMT Ext. Temp.	Single SMT				Single THT		Single THT 3 kVrms	
				Standard Temp.		Extended Temp					
	TX & RX	TX & RX	TX & RX	TX	RX	TX	RX	TX	RX	TX	RX
Exar											
XRT75xxx	TX3051NL	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
XRT73L00/2/3/4/6/12	TX3051NL	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
XRT73LC03A/04A,R12	TX3051NL	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
XRT7300/7302	TX3051NL	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
Infineon Technologies											
PEB3452/3460	—	—	—	—	—	T3027NL	T3011NL	—	—	—	—
Maxim (Dallas Semi)											
DS3181/2/3/4	—	—	—	PE-65968NL	PE-65968NL	T3002NL	T3002NL	PE-65969NL	PE-65969NL	PE-68630NL	PE-68630NL
DS3150/1/2/3/4	—	—	—	PE-65968NL	PE-65968NL	T3002NL	T3002NL	PE-65969NL	PE-65969NL	PE-68630NL	PE-68630NL
Mindspeed											
CN28333/332/331	TX3051NL	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
M28335/M28356	TX3051NL	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
M28354/3/2	TX3051NL	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
TDK Semiconductor											
78P2342/43/44	TX3051NL	T3020NL	PE-65968NL	PE-65967NL	T3002NL	T3001NL	PE-65969NL	PE-68630NL	PE-68630NL	PE-68629NL	—
78P2241B	TX3051NL	T3020NL	PE-65968NL	PE-65967NL	T3002NL	T3001NL	PE-65969NL	PE-68630NL	PE-68630NL	PE-68629NL	—
78P7200/7200L	TX3051NL	T3020NL	PE-65968NL	PE-65967NL	T3002NL	T3001NL	PE-65969NL	PE-68630NL	PE-68630NL	PE-68629NL	—
78P7203L/7204L	TX3051NL	T3020NL	PE-65968NL	PE-65967NL	T3002NL	T3001NL	PE-65969NL	PE-68630NL	PE-68630NL	PE-68629NL	—
78P2362/2361	TX3051NL	T3020NL	PE-65968NL	PE-65967NL	T3002NL	T3001NL	PE-65969NL	PE-68630NL	PE-68630NL	PE-68629NL	—
Transwitch											
MRT TXC-02050	TX3051	—	T3020	PE-65968NL	T3002NL	T3002NL	T3001NL	PE-65966NL	PE-65966NL	PE-68630NL	PE-68629NL
ART TXC-02020	TX3051	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
ARTE TXC-02021	TX3051	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
DART TXC-2030, DS3	TX3051	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
DART TXC-2030, E3	TX3051	—	T3020	PE-65968NL	T3001NL	T3002NL	T3001NL	PE-65966NL	PE-65966NL	PE-68630NL	PE-68629NL
DS3LIM-SN, TXC20153G	TX3051	—	TX3025NL	PE-65967NL	PE-65967NL	T3001NL	T3001NL	PE-65966NL	PE-65966NL	PE-68629NL	PE-68629NL
E3LIM TXC-20163	TX3051	—	T3020	PE-65967NL	T3001NL	T3002NL	T3001NL	PE-65966NL	PE-65966NL	PE-68630NL	PE-68629NL

SMT - Surface Mount Package **THT** - Through Hole Package

TELECOMMUNICATION PRODUCTS

TELECOM IC CROSS REFERENCE

ISDN U-Interface

IC Manufacturer/ IC Part Number	Recommended Transformer					
	1.5 kV		2.5 kV		2.5 kV	3 kV
	THT	SMT	THT	SMT	THT	
Alcatel (Microelectronics						
MTC20276	—	T4043	—	—	—	—
AKM						
AK5204	T4022	—	—	—	—	—
Infineon Technologies (Siemens)						
PEB 2091	—	T4031	PE-65575	T4002	—	PE-68669
PEB 8091/8191	—	T4031	PE-65575	T4002	—	PE-68669
PEB 2090/20901	—	T4067	PE-65578	—	—	—
PEB 24902/11	—	T4031	PE-65575	T4002	—	PE-68669
PSB 21910/11	—	T4031	PE-65575	T4002	—	PE-68669
PEB 2491	—	T4032	—	—	—	—
PEB 20901	—	T4067	PE-65578	—	—	—
PEB 2095	—	—	—	—	—	—
PSB 2196	—	—	—	—	—	—
Lucent Technologies						
T7234	PT4084	—	T4008	—	—	—
Motorola						
MC145472	—	—	PE-65579	—	—	—
MC145572	—	T4033	PE-68628 [1]	T4001 [2]	PE-68668	—
National Semiconductor						
TP3410	—	—	PE-65583	—	PE-68631	—
	—	—	PE-65584	T4004	—	—
Thomson						
SD 5411	—	—	PE-65581	T4006	PE-68631	—

Digital Audio

IC Manufacturer	IC Part Number	Single	
		SMT	THT
Echelon	3120™ 1.25 Mbps	PE-65848	PE-65948
	3150™ 1.25 Mbps	PE-65848	PE-65948
AKM	AK4101	PE-65812	PE-65612
	AK4102	PE-65812	PE-65612
	AK4103	PE-65812	PE-65612
Cirrus Logic	CS8401/2/3/4	PE-65812	PE-65612
	CS8405/8415	PE-65812	PE-65612
	CS8413/14/27	PE-65812	PE-65612
	CS8406/8416	—	T6074/T6075
Realtek	ALS300+	PE-65812	PE-65612

DDS/Switched 56

IC Manufacturer	IC Part Number	Recommended Transformer Dual SMT
Intel	LXT 441	T7002, T7006

SONET/SDH (STM-1/E4/CMI) DUAL TRANSFORMERS

IC Manufacturer	IC Part Number	Recommended Transformer Single SMT
Intel	LXT6155	ST6200QNL

SMT - Surface Mount Package **THT -** Through Hole Package

Pulse A YAGEO Company

TELECOMMUNICATIONS PRODUCTS

TELECOM IC CROSS REFERENCE

IC CROSS REFERENCE: T1/E1/CEPT/ISDN-Pri FOR SINGLE & MULTIPORT PORT ICs

IC MFR.	IC PART NO./COMMENT		DUAL SMT (BH)		DUAL SMT (AN)		DUAL SMT XFMR/CHOKE	SINGLE THT	
			STD TEMP	EXT TEMP	STD TEMP	EXT TEMP	EXT TEMP	STANDARD TEMP	
			TX & RX	TX & RX	TX & RX	TX & RX	TX & RX	TX	RX
Cirrus Logic	61577	T1 & E1	PE-65861NL	T1090	PE-68861NL	PE-68841	—	PE-65351	PE-65351
(Crystal)	61304A/5A/535A/574A,/75	T1	—	T1076	—	—	—	PE-65388	PE-65351
	61304A/5A/535A/574A,/75	75 E1	PE-65866NL	—	PE-65866NL	PE-68826NL	T1212NL	PE-65389	PE-65351
	61304A/5A/535A/574A,/75	120 E1	PE-65866NL	—	PE-65866NL	PE-68826NL	—	PE-65389	PE-65351
	61884	T1/E1/J1	PE-65861NL	TX1188NL	PE-68861NL	PE-68841	—	PE-65351	PE-65351
	61582, 61583		PE-65870	—	PE-68874	PE-68874	—	PE-65388	PE-65388
	61310, 61581		PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65351	PE-64936
	61310, 61581	Host	—	—	—	—	—	PE-65351	PE-65351
	61880, 61881		—	T1076	—	—	—	PE-65388	PE-65351
	61584/84A	IQ3	PE-65861NL	T1090	PE-68861NL	PE-68841	—	PE-65351	PE-65351
	61584/82/83/A	IQ5	PE-65870	—	PE-68874	PE-68874	—	PE-65388	PE-65388
Exar	XRT5683A, XRT59L91		PE-65861NL	T1090	PE-68861NL	PE-68841	—	PE-65415	PE-65415
	XRT5894/5897/5997		PE-65861NL	T1090	PE-65861NL	PE-68841	—	PE-65415	PE-65415
	XRTT5793/94		PE-65866NL	—	PE-65861NL	PE-68826NL	—	PE-65389	PE-64934
	XRT81L27,82L24,82D20		PE-65861NL	T1090	PE-68861NL	PE-68841	—	PE-65415	PE-65415
	XRT83L30/4/8/314,86L38		PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65415	PE-64934
	XRT83SL30/4/8/314		PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65415	PE-64934
	XRT86L30/32/34/38		PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65415	PE-64934
	T5684,XRT7288,82D20		—	T1091	—	PE-68822	—	PE-64937	PE-65351
IDT	82V2048, 82V2058		TX1188NL	TX1188NL	PE-68861NL	PE-68841	—	PE-65415	PE-65415
	82V2044/48/48L/54/58		TX1188NL	TX1188NL	PE-68861NL	PE-68841	—	PE-65415	PE-65415
	82V2041E/2E/4E/8E		PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65415	PE-64934
	82V2081/2/4/8		PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65415	PE-64934
	82P2281/2/4/8		PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65415	PE-64934
Infineon	PEB 2254/55	E1/T1 & J1	PE-68786NL	—	—	—	T1215NL	—	—
Technologies	PEB 2254/55	E1/T1 & J1	T1023NL	T1096NL	—	—	T1215NLNL	—	—
(Siemens)	PEB 22504, 22554, 2256	3.3V	T1144NL	T1144NL	—	—	T1219NL	—	—
	PEB22554	75 E1	T1146NL	T1146NL	—	—	—	—	—
Intel	LXT 312/313/315		—	—	—	—	—	PE-64933	PE-64936
	LXT 350, LXT 351, LXT 359	T1,E1	PE-68678	T1094NL	PE-68877	PE-68877	T1212NLNL	PE-65351	PE-64936
	LXT 350, LXT 351		—	T1076	—	—	—	PE-65388	PE-65351
	LXT 350, LXT 351	120 E1	—	—	—	—	—	PE-65558	PE-65351
	LXT 360/361/362/363	T1,E1	PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65351	PE-64936
	LXT 360/361/362/363		—	T1076	—	—	—	PE-65388	PE-65351
	LXT 360, LXT361	120 E1	—	—	—	—	—	PE-65558	PE-65351
	LXT 380/381/384/386/388	T1/E1	PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65351	PE-64936
	LXT 380/381/384/386/388	T1/E1	PE-65861NL	T1090	PE-68861NL	PE-68841	—	PE-65351	PE-65351
	LXT 3104, LXT 3108		PE-65861NL	T1090	PE-68861N L	PE-68841	—	PE-64936	PE-64936
	LXT 3104, LXT 3108		TX1099NL	TX1099NL	—	—	—	—	—
Maxim	DS2196,2155,2149,21448		PE-68678	T1094NL	—	—	T1212NL	PE-65351	PE-64936
(Dallas)	DS2151/2152/2153/2154		—	T1076	—	—	—	PE-65388	PE-64936
	DS2151/2152/2153/2154		—	T1091	—	PE-68822	—	PE-65586	PE-64936
	DS2148/Q48/Q348/349/Q59	3V	PE-68678	T1094NL	—	—	T1212NL	PE-65351	PE-64936
	DS2148/Q48	5V	—	T1091	—	PE-68822	—	PE-65586	PE-64936
	DS21352/Q352, DS21354/Q354		PE-68678	T1094NL	—	—	T1212NL	PE-65351	PE-64936
	DS21552/Q552, DS21554/Q554		—	T1076	—	—	—	PE-65388	PE-64936
	DS21552/Q552, DS21554/Q554		—	T1091	—	PE-68822	—	PE-65586	PE-64936
	DS26502/3		PE-68678	T1094NL	—	—	T1212NL	PE-65351	PE-64936
	DS21455/8		PE-68678	T1094NL	—	—	T1212NL	PE-65351	PE-64936
	DS26528		PE-68678	T1094NL	—	—	T1212NL	PE-65351	PE-64936
Mindspeed	M29378/M29374/M29371		PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65351	PE-64936
	M29368		PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65351	PE-64936
PMC-Sierra	PM4341/6341/4314		—	T1091	—	PE-68822	—	PE-64937	PE-65351
	PM4323/4325	OCTLIU	PE-65861NL	T1090	PE-68861NL	PE-68841	—	PE-65351	PE-65351
	PM4329	HDLIU	—	—	—	—	—	—	—
	PM4358/4359	Tetra/Octal	—	—	—	—	—	—	—
	PM4351/4354	COMET	T1137	TX1287	—	—	T1217NL	—	—
Zarlink	MT9076, MT9075		T1144NL	T1144NL	—	—	T1219NL	—	—
(Mitel)	MT9074, MT9075		PE-68678	T1094NL	PE-68877	PE-68877	T1212NL	PE-65351	PE-64934

Read across ➔

SMT - Surface Mount Package **THT -** Through Hole Package

TELECOMMUNICATIONS PRODUCTS

TELECOM IC CROSS REFERENCE

IC CROSS REFERENCE: T1/E1/CEPT/ISDN-Pri FOR SINGLE & MULTIPORT PORT ICs

SINGLE THT		DUAL THT		REINFORCED 3 kVRMS			QUAD SMT		OCTAL SMT	PROTECTION MODULES		
EXTENDED TEMP		STD TEMP	EXT TEMP	STANDARD TEMP		DUAL SMT	STANDARD 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
PE-65771	PE-65771	PE-64951	—	PE-65835	PE-65835	—	T1006NL	T1006NL	T1065NL	T1105	—	—
PE-65770	PE-65771	PE-65565	PE-65567	PE-65838	PE-65835	—	—	T1006NL	—	—	—	—
PE-68664	PE-65771	PE-65566	PE-65568	PE-65839	PE-65835	—	—	T1006NL	T1068NL	T1108NL	—	—
PE-68664	PE-65771	PE-65566	PE-65568	PE-65839	PE-65835	—	—	T1006NL	—	—	—	—
PE-65771	PE-65771	PE-64951	—	PE-65838	PE-65835	—	T1006NL	T1006NL	T1073	—	—	—
PE-65770	PE-65770	—	—	PE-65838	PE-65838	—	—	—	T1064NL	—	—	—
PE-65771	—	PE-64951	PE-65568	PE-65835	PE-65835	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65771	PE-65771	PE-64951	—	PE-65835	PE-65835	—	—	—	—	—	—	—
PE-65770	PE-65771	PE-65565	PE-65567	PE-65838	PE-65835	—	—	T1006NL	—	—	—	—
PE-65771	PE-65771	PE-64951	—	PE-65835	PE-65835	—	T1006NL	T1006NL	T1065NL	T1105	—	—
PE-65770	PE-65770	—	—	PE-65838	PE-65838	—	—	—	T1064NL	—	—	—
PE-65771	PE-65771	PE-64951	—	PE-65835	PE-65835	—	T1006NL	T1006NL	T1065NL	T1105	—	—
PE-65771	PE-65771	PE-64951	—	PE-65835	PE-65835	—	T1006NL	T1006NL	T1065NL	T1105	—	—
PE-68664	PE-65778	PE-65566	PE-65568	PE-65839	PE-65834	—	—	—	—	T1111NL	—	—
PE-65771	PE-65771	PE-64951	—	PE-65835	PE-65835	—	T1006NL	T1006NL	T1065NL	T1105	—	—
PE-65771	PE-65778	PE-64951	—	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65771	PE-65778	PE-64951	—	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65771	PE-65778	PE-64951	—	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65340	PE-65771	PE-64952	PE-65774	PE-65837	PE-65835	—	—	—	—	—	—	—
PE-65771	PE-65771	PE-64951	—	PE-65835	PE-65835	—	T1006NL	T1006NL	T1124NL	T1114NLNL	—	—
PE-65771	PE-65771	PE-64951	—	PE-65835	PE-65835	—	T1006NL	T1006NL	T1124NL	T1114NL	—	TX9023
PE-65771	PE-65778	PE-64951	—	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65771	PE-65778	PE-64951	—	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65771	PE-65778	PE-64951	—	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
—	—	—	—	—	PE-68788	PE-68788	—	—	—	—	—	—
—	—	—	—	—	PE-68788	PE-68788	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	T1142	T1231	—	TX9031NL
—	—	—	—	—	—	—	—	—	—	—	—	—
PE-68600	PE-65778	—	PE-64950	PE-65836	PE-65834	—	—	—	—	—	—	—
PE-65771	PE-65778	PE-64954	—	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65770	PE-65771	PE-65565	PE-65567	PE-65838	PE-65835	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
PE-65771	PE-65778	PE-64954	—	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65770	PE-65771	PE-65565	PE-65567	PE-65838	PE-65835	—	—	—	—	—	—	—
—	—	PE-65565	—	—	—	—	—	—	—	—	—	—
PE-65771	PE-65778	PE-64954	—	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL	T9030NL	T9030NL
PE-65771	PE-65771	PE-64951	—	PE-65835	PE-65835	—	T1006NL	T1006NL	T1124NL	T1114NL	T9030NL	T9030NL
PE-65778	PE-65778	PE-64951	—	PE-65835	PE-65835	T1030NL	T1006NL	T1006NL	T1068NL	T1108NL	—	—
—	—	—	—	—	—	—	—	—	T1068NL	—	—	—
PE-65771	PE-65778	PE-64951	PE-65568	PE-65838	PE-65838	—	T1006NL	T1006NL	—	T1108NL	—	—
PE-65770	PE-65778	PE-65565	PE-65567	PE-65838	PE-65834	—	T1038	T1006NL	—	—	—	—
PE-65340	PE-65778	PE-64952	PE-65774	PE-65832	PE-65834	T1038	T1001	T1001	T1068NL	—	—	—
PE-65771	PE-65778	PE-64951	PE-65568	PE-65838	PE-65838	—	T1038	T1006NL	—	T1108NL	—	—
PE-65340	PE-65778	PE-64952	PE-65774	PE-65832	PE-65834	T1038	T1001	T1001	—	—	—	—
PE-65771	PE-65778	PE-64951	PE-65568	PE-65838	PE-65838	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65770	PE-65778	PE-65565	PE-65567	PE-65838	PE-65834	—	T1038	T1006NL	—	—	—	—
PE-65340	PE-65778	PE-64952	PE-65774	PE-65832	PE-65834	T1038	T1001	T1001	—	—	—	—
PE-65771	PE-65778	PE-64951	PE-65568	PE-65838	PE-65838	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65771	PE-65778	PE-64951	PE-65568	PE-65838	PE-65838	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65771	PE-65778	PE-64951	PE-65568	PE-65838	PE-65838	—	T1006NL	T1006NL	T1068NL	T1108NL	—	—
PE-65771	PE-65778	PE-64951	PE-65568	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL		—
PE-65771	PE-65778	PE-64951	PE-65568	PE-65835	PE-65834	—	T1006NL	T1006NL	T1068NL	T1108NL		—
PE-65340	PE-65771	PE-64952	PE-65774	PE-65832	PE-65835	—	—	—	—	—	—	—
PE-65771	PE-65771	PE-64951	—	PE-65835	PE-65835	—	T1006NL	T1006NL	T1073	—	—	TX9023
—	—	—	—	—	—	—	—	—	—	TX1341	—	TX9027
—	—	—	—	—	—	—	—	—	—	TX1341	—	TX9027
—	—	—	—	—	—	—	—	—	—	TX1299NL	—	—
—	—	—	—	—	—	—	—	—	T1142	T1231	—	—
PE-65771	PE-65778	PE-64954	PE-65568	PE-65835	PE-65834	—	—	—	T1068NL	T1108NL	—	—

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SMT - Surface Mount Package **THT -** Through Hole Package