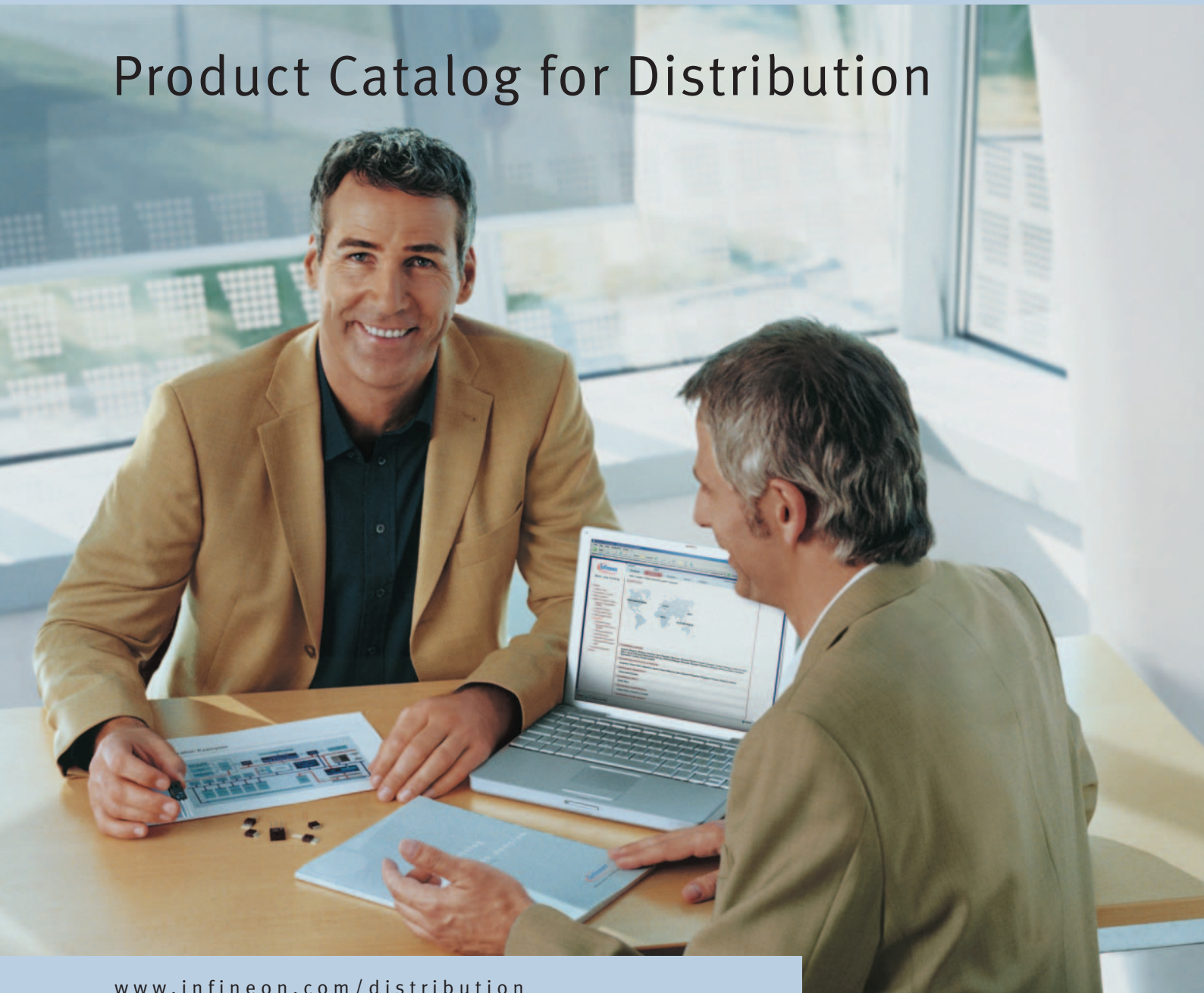


# Product Catalog for Distribution



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Communication



Never stop thinking

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Reflecting the depth and range of our offering, this overview extends from communication devices and microcontrollers through power semiconductors and discretes to sensors and security solutions. For fast and easy reference, we have kept technical details to a minimum and added an overview of all device names and order codes at the back. Please refer to our data sheets, data books and user's manuals if you require in-depth technical data on a given product.

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- ▼ Newly included components
- Components not suitable for new design
- ◆ Products available through dedicated distributors
- SMD (**S**urface **M**ounted **D**eVICES)  
gray lines indicate SMDs
- ® Registered trademark
- TM Trademark

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# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Broadband Access</b>			
<b>Symmetrical DSL</b>			
▼ PEF 21624 E V1.2-G	SP000054059	P-LBGA-324-2	SOCRATES® (SDFE-1): 2nd. generation symmetrical DSL front end with 1-channel for TDM applications, tray
▼ PEF 22624 E V1.3-G	SP000081099	PG-LBGA-324-2	SOCRATES® (SDFE-2): 2nd. generation symmetrical DSL front end with 2-channel for TDM applications, tray
▼ PEF 24624 E V2.1-G	SP000208961	PG-LBGA-324-2	SOCRATES® (SDFE-4): 2nd. generation symmetrical DSL front end with 4-channel for TDM applications, tray
▼ PEF 24624 E V2.1-G	SP000223350	PG-LBGA-324-2	SOCRATES® (SDFE-4): 2nd. generation symmetrical DSL front end with 4-channel for TDM applications, tape & reel
▼ PEF 24625 E V1.2-G	SP000054060	PG-BGA-484-1	SOCRATES® (SDC-16i): 2nd. generation symmetrical DSL controller for 16-channels and IMA (SDC-16i). Only available as part of SOCRATES®-16Bis chipset, which consists of 1 x PEF24625 (SDC-16i) + 4 x PEF 24624 (SDFE-4), tray
▼ PEF 24625 E V1.2-G	SP000223349	PG-BGA-484-1	SOCRATES® (SDC-16i): 2nd. generation symmetrical DSL controller for 16-channels and IMA (SDC-16i). Only available as part of SOCRATES®-16Bis chipset, which consists of 1x PEF24625 (SDC-16i) + 4 x PEF 24624 (SDFE-4), tape & reel
▼ PEF 21628 E V1.1-G	SP000213076	PG-LBGA-324-2	SOCRATES® (SOCRATES®-1e): 3rd. generation EFM-(Ethernet First Mile) symmetrical DSL transceiver with 1-channel for IP, ATM, TDM applications, tray
▼ PEF 22628 E V1.1-G	SP000213077	PG-LBGA-324-2	SOCRATES® (SOCRATES®-2e): 3rd. generation EFM-(Ethernet First Mile) symmetrical DSL transceiver with 2-channel for IP, ATM, TDM applications, tray
▼ PEF 24628 E V1.1-G	SP000085010	PG-LBGA-324-2	SOCRATES® (SOCRATES®-4e): 3rd. generation EFM-(Ethernet First Mile) symmetrical DSL transceiver with 4-channel for IP, ATM, TDM applications, tray
▼ PEF 21627 E V1.1-G	SP000218166	PG-LBGA-324-2	SOCRATES® (SOCRATES®-1U): 3rd. generation symmetrical DSL front end with 1-channel for ATM, TDM, IP applications, tray
▼ PEF 22627 E V1.1-G	SP000218168	PG-LBGA-324-2	SOCRATES® (SOCRATES®-2U): 3rd. generation symmetrical DSL front end with 2-channel for ATM, TDM, IP applications, tray
▼ PEF 24627 E V1.1-G	SP000208962	PG-LBGA-324-2	SOCRATES® (SOCRATES®4U): 3rd. generation symmetrical DSL front end with 4-channel for ATM, TDM, IP applications, tray
▼ EASY SDFE-2	SP000008138	—	SOCRATES® (SDFE-2): Evaluation board for PEF 22624 (SDFE-2)
▼ EASY SDFE-4	SP000008101	—	SOCRATES® (SDFE-4): Evaluation board for PEF 24624 (SDFE-4)
▼ EASY 24624 MII	SP000008100	—	SOCRATES® (SDC-16i): Evaluation board for PEF 24625 (SDC16i)
▼ EASY 24624 TDM	SP000007925	—	SOCRATES®: TDM module for EASY 24624 MII. This optional board gives TDM connection to EASY 24624 MII for testing purposes
▼ EASY 24628 MII	SP000089850	—	SOCRATES® (SOCRATES®-4e): Evaluation board for PEF 24628
▼ EASY 24628 UTOPIA	SP000244336	—	SOCRATES® (SOCRATES®-4e): Evaluation board for PEF 24628

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Broadband Access</b>			
<b>ADSL</b>			
▼ PSB 50510 E V1.3-G	SP000068030	PG-LBGA-256-1	AMAZON-M: Single Chip ADSL/2/2+ cpe solution with integrated analog front end (AFE) and line driver (LD). 3-port switch, PCI, 1xMII, 1 x TP, tray
▼ PSB 50505 E V1.3-G	SP000223783	PG-LBGA-256-1	AMAZON-ME: Single Chip ADSL/2/2+ cpe solution with integrated analog front end (AFE) and line driver (LD). 3-port switch, PCI, 2xMII, tape & reel
▼ PSB 50505 E V1.3-G	SP000068029	PG-LBGA-256-1	AMAZON-ME: Single Chip ADSL/2/2+ cpe solution with integrated analog front end (AFE) and line driver (LD). 3-port switch, PCI, 2xMII, tray
▼ PSB 50501 EL V1.2-G	SP000053494	PG-LFBGA-200-1	AMAZON-E: Two Chip ADSL/2/2+ solution PSB 50530 (AFE) + PSB 50501 (DFE). 3-port switch, 2xMII, tray
▼ PSB 50530 F V1.2	SP000017986	PG-TQFP-64-1	AMAZON-E: Two Chip ADSL/2/2+ cpe solution PSB 50530 (AFE) + PSB 50501 (DFE). 3-port switch, 2xMII, tray
▼ EASY50505 A V3.0	SP000234787	—	AMAZON-ME: Evaluation board for PSB 50505, annex A
▼ EASY50505 B V3.0	SP000234788	—	AMAZON-ME: Evaluation board for PSB 50505, annex B
▼ EASY50501 A	SP000069367	—	AMAZON-E: Evaluation board for PSB 50501 + PSB 50530, annex A
▼ EASY50501 B	SP000069368	—	AMAZON-E: Evaluation board for PSB 50501 + PSB 50530, annex B
<b>VDSL2</b>			
▼ PEB 83000 E V1.3-G	SP000201760	PG-LBGA-483-1	VINAX-CPE: Single chip VDSL2 cpe solution with integrated analog front end (AFE) and line driver (LD)
▼ EASY 83000 CPE	SP000215341	—	VINAX-CPE: Evaluation board for PEB 83000
▼ EASY 83000 HOSTLESS	SP000104531	—	VINAX-CPE: Evaluation board for PEB 83000

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Core Access</b>			
<b>T/E Carrier</b>			
<b>E1/T1/J1</b>			
▼ PEF 2256 H V2.2-G	SP000057074	PG-LBGA-81-1	FALC56 <sup>®</sup> : Single channel T1/E1/J1 framer, line interface unit (LIU) and signaling controller for long- and short- haul applications, tray
▼ PEF 22552 E V1.1-G	SP000065628	PG-LBGA-160-1	DualFALC <sup>®</sup> : Dual channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short- haul applications, tray
▼ PEF 22554 E V3.1-G	SP000074240	PG-LBGA-160-1	QuadFALC <sup>®</sup> : Quad channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short- haul applications, tray
▼ PEF 22554 HT V3.1	SP000064070	PG-TQFP-144-2	
PEF 22558 E V1.1-G	SP000008139	PG-LBGA-256-1	OctalFALC <sup>®</sup> : Octal channel E1/T1/J1 framer, line interface unit (LIU) and signaling controller for long- and short- haul applications, tray
▼ PEF 22504 E V2.1-G	SP000081770	PG-LBGA-160-1	QuadLIU <sup>™</sup> : Quad channel E1/T1/J1 line interface unit (LIU) for long- and short- haul applications, tray
▼ PEF 22504 HT V2.1	SP000209867	PG-TQFP-144-2	
▼ PEF 22508 E V1.1-G	SP000029953	PG-LBGA-256-1	OctalLIU <sup>™</sup> : Octal channel E1/T1/J1 line interface unit (LIU) for long- and short- haul applications, tray
▼ PEF 22508 E V1.1-G	SP000223351	PG-LBGA-256-1	OctalLIU <sup>™</sup> : Octal channel E1/T1/J1 line interface unit (LIU) for long- and short- haul applications, tape & reel
▼ PEF 22557 E V1.1-G	SP000055478	PG-LBGA-256-1	OctalFRAMER <sup>™</sup> : Octal channel E1/T1/J1 framer, tray
▼ EASY 2256 E V2.2	SP000106013	—	FALC56 <sup>®</sup> : Evaluation board for PEF 2256
▼ EASY 22552	SP000202849	—	DualFALC <sup>®</sup> : Evaluation board for PEF 22552
EASY 22554 V3.1	SP000007919	—	QuadFALC <sup>®</sup> : Evaluation board for PEF 22554
EASY 22558	SP000053860	—	OctalFALC <sup>®</sup> : Evaluation board for PEF 22558
▼ EASY 22504	on request	—	QuadLIU <sup>™</sup> : Evaluation board for PEF 22504
▼ EASY 22508	SP000202361	—	OctalLIU <sup>™</sup> : Evaluation board for PEF 22508
<b>E3/T3</b>			
▼ PEB 3445 E V2.1-G	SP000226333	PG-BGA-272-1	TE3-MUX: DS3 framer with M13 multiplexer, 0°C to 70°C, tray
▼ PEF 3445 E V2.1-G	SP000226334	PG-BGA-272-1	TE3-MUX: DS3 framer with M13 multiplexer, -40°C to 85°C, tray
▼ PEF 3460 E V1.2-G	SP000088005	PG-BGA-272-4	TE3-FALC <sup>®</sup> : Integrated DS3/E3 framer and T3/E3 line interface unit (LIU) for ATM, Frame Relay and PPP/IP, tray
PEF 3452 H V1.3	SP000007643	PG-MQFP-44-2	TE3-LIU <sup>™</sup> : Single channel line interface unit (LIU) for DS3, STS-1 and E3 applications, tray
▼ EASY 3445 V1.2	SP000007930	—	TE3-MUX: Evaluation board for PEB/PEF 3445 (TE3-MUX)
▼ EASY 3460	SP000007932	—	TE3-FALC <sup>®</sup> : Evaluation board for PEF 3460 (TE3-FALC <sup>®</sup> )
▼ EASY 3452 V1.2	SP000007947	—	TE3-LIU <sup>™</sup> : Evaluation board for PEF 3452 (TE3-LIU <sup>™</sup> )

SMD = Surface Mounted Device



# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Core Access</b>			
<b>HDLC Controller</b>			
PEB 20525 F V1.3	SP000007591	PG-TQFP-100-1	SEROCCO-H: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, 0°C to 85°C, tray
▼ PEF 20525 F V1.3	SP000225720	PG-TQFP-100-1	SEROCCO-H: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, -40°C to 85°C, tape & reel
PEF 20525 F V1.3	SP000007592	PG-TQFP-100-1	SEROCCO-H: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, -40°C to 85°C, tray
PEB 20532 F V1.3	SP000007512	PG-TQFP-100-1	SEROCCO-M: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, 0°C to 85°C, tray
PEF 20532 F V1.3	SP000007511	PG-TQFP-100-1	SEROCCO-M: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 12.5 Mbit/s, -40°C to 85°C, tray
PEB 20542 F V1.3	SP000007633	PG-TQFP-144-2	SEROCCO-D: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 16 Mbit/s. Integrated DMA controller with 4 independent DMA channels, 0°C to 85°C, tray
PEF 20542 F V1.3	SP000007634	PG-TQFP-144-2	SEROCCO-D: Two channel serial optimized communication controller for HDLC and PPP. Full duplex data rates on each channel up to 16 Mbit/s. Integrated DMA controller with 4 independent DMA channels, -40°C to 85°C, tray
▼ PEB 20256 E V2.2	SP000205442	PG-BGA-388-2	MUNICH256: Multichannel network interface controller for HDLC/PPP with 256 channels and on-chip data management unit, tray
EASY 20525 V1.1	SP000007914	—	SEROCCO-H: Evaluation board for PEB/PEF 20525
EASY 20532 V1.1	SP000007915	—	SEROCCO-M: Evaluation board for PEB/PEF 20532
EASY 20542 V1.1	SP000007916	—	SEROCCO-D: Evaluation board for PEB/PEF 20542
EASY 256 V1.1	SP000007944	—	MUNICH256: Evaluation board for PEB 20256
EASY 256 E 1T1 V1.1	SP000007945	—	MUNICH256: Reference design for PEB 20256 and PEF 22554 (MUNICH256/QuadFALC®)

## Interworking Products ATM to Time Slot

PXB 4219 E V3.4-G	SP000223294	PG-BGA-256-1	IWE8® CMAP: Interworking element between 8 E1/T1 lines and ATM, tray
▼ PXB 4220 E V3.4-G	SP000017873	PG-BGA-256-1	IWE8®: Interworking element between 8 E1/T1 lines and ATM, tray
▼ PXB 4221 E V3.4-G	SP000017875	PG-BGA-256-1	
▼ PXF 4222 E V1.3-G	SP000017876	PG-BGA-388-2	IWORX®-P: Next generation interworking controller between ATM and PDH, tray
▼ PXF 4225 E V1.3-G	SP000017877	PG-BGA-388-2	IWORX®: Interworking controller between ATM and PDH, tray
EASY 4220	on request	—	IWE8®: Reference design for PXF 4220
EASY 4222	on request	—	IWORX®-P: Reference design for PXF 4222
EASY 4225	on request	—	IWORX®: Reference design for PXF 4225

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Voice Access</b>			
<b>VoIP</b>			
▼ PEB 3331 HT V2.1	SP000232901	PG-TQFP-100-1	VINETIC®-1CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (with patent indemnification fees for vocoders), 0°C to 85°C, tray
▼ PEB 3331 HT V2.1	SP000083520	PG-TQFP-100-1	VINETIC®-1CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tray
▼ PEB 3331 F V2.1	SP000083521	PG-TQFP-64-1	VINETIC®-1CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tape & reel
▼ PEB 3332 F V2.1	SP000065273	PG-TQFP-64-1	VINETIC®-2CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tray
▼ PEB 3332 HT V2.1	SP000224283	PG-TQFP-100-1	VINETIC®-2CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tape & reel
▼ PEF 3332 HT V2.1	SP000229576	PG-TQFP-100-1	VINETIC®-2CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (with patent indemnification fees for vocoders), -40°C to 85°C, tray
▼ PEB 3332 F V2.1	SP000065272	PG-TQFP-64-1	VINETIC®-2CPE: Single channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tape & reel
▼ PEB 3342 HT V2.1	SP000201618	PG-TQFP-100-9	VINETIC®-2ATA: Dual channel codec and VoIP DSP, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tray
PEB 3324 E V1.4-G	SP000108018	PG-LBGA-176-3	VINETIC®-4VIP: Four channel codec and VoIP DSP, G.723, G.729, G.728, T.38 fax relay, LEC, AAL2 and RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tray
PEB 3324 HL V1.4	SP000008031	PG-LQFP-176-2	
▼ PEB 3324 HL V1.4 PE	SP000017214	PG-LQFP-176-2	VINETIC®-4VIP: Four channel codec and VoIP DSP, G.723, G.729, G.728, T.38 fax relay, LEC, AAL2 and RTP (with patent indemnification fees for vocoders), large packing unit 240 pcs, 0°C to 85°C, tray
▼ PEB 3324 HL V1.4 PE	SP000017208	PG-LQFP-176-2	VINETIC®-4VIP: Four channel codec and VoIP DSP, G.723, G.729, G.728, T.38 fax relay, LEC, AAL2 and RTP (with patent indemnification fees for vocoders), large packing unit 40 pcs, 0°C to 85°C, tray
▼ PEB 3340 HT V2.1	SP000201482	PG-TQFP-100-9	VINETIC®-CL: Two channel VoIP DSP with PCM interface, G.729, G.723.1, iLBC, LEC, T.38, RTP (without patent indemnification fees for vocoders), 0°C to 85°C, tray
▼ PEF 3314 HL V2.2	SP000018270	PG-LQFP-176-2	VINETIC®-4M: Four channel codec with VoIP DSP for G.728, AAL2 and RTP (without patent indemnification fees for vocoders), -40°C to 85°C, tray
▼ PEF 3314 EL V2.2-G	SP000053926	PG-LBGA-144-1	
▼ PEF 3314 E V2.2-G	SP000068753	PG-LBGA-176-2	
EASY 334	SP000007929	—	VINETIC®-4VIP: Evaluation board for PEB 3324. Evaluation board includes 1 x EASY 334 + 2 x SMART 4265 (SLIC-E)

## SLIC + Codec

▼ PEF 3394 HL V2.2	SP000231959	PG-LQFP-176-2	VINETIC®-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 240 pcs, -40°C to 85°C, tray
▼ PEF 3394 HL V2.2	SP000018278	PG-LQFP-176-2	VINETIC®-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 40 pcs, -40°C to 85°C, tray
▼ PEF 3394 EL V2.2-G	SP000212320	PG-LBGA-144-1	VINETIC®-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 160 pcs, -40°C to 85°C, tray
▼ PEF 3394 EL V2.2-G	SP000053927	PG-LBGA-144-1	VINETIC®-4C: Fully programmable 4-channel CODEC with voice processing DSP, enhanced feature set, large packing unit 960 pcs, -40°C to 85°C, tray

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Voice Access</b>			
<b>SLIC + Codec</b> (cont'd)			
▼ PEF 3304 EL V2.1-G	SP000223348	PG-LBGA-144-1	VINETIC®-4S: Fully programmable 4-channel CODEC with voice processing DSP, standard feature set, -40°C to 85°C, tape & reel
▼ PEF 3304 EL V2.1-G	SP000054559	PG-LBGA-144-1	VINETIC®-4S: Fully programmable 4-channel CODEC with voice processing DSP, standard feature set, -40°C to 85°C, tray
▼ PEF 3304 HL V2.1	SP000053496	PG-LQFP-176-2	
▼ PEF 3304 E V2.1-G	SP000053495	PG-LBGA-176-3	
▼ PEB 3165 F V1.1	SP000008162	PG-TQFP-64-1	SLICOFI®-1 (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tape & reel
▼ PEB 3164 F V1.1	SP000222941	PG-TQFP-64-1	SLICOFI®-1S (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tape & reel
▼ PEB 3164 F V1.1	SP000008146	PG-TQFP-64-1	SLICOFI®-1S (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tray
PEB 3265 F V1.5	SP000007818	PG-TQFP-64-1	SLICOFI®-2 (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tape & reel
PEB 3265 F V1.5	SP000007817	PG-TQFP-64-1	SLICOFI®-2 (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tray
PEB 3264 F V1.4	SP000007820	PG-TQFP-64-1	SLICOFI®-2S (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tape & reel
PEB 3264 F V1.4	SP000007819	PG-TQFP-64-1	SLICOFI®-2S (DuSLIC®): Single channel subscriber line interface codec filter, enhanced feature set, 0°C to 85°C, tray
▼ PEB 2466 H V2.2	SP000007516	PG-MQFP-64-1	SICOFI®-4μC (SICOFI® + FlexiSLIC™): Four channel codec filter with PCM and microcontroller interface, large packing unit 84 pcs, 0°C to 85°C, tray
PEB 2466 H V2.2	SP000007517	PG-MQFP-64-1	SICOFI®-4μC (SICOFI® + FlexiSLIC™): Four channel codec filter with PCM and microcontroller interface, 0°C to 85°C, tape & reel
PEF 2466 H V2.2	SP000007776	PG-MQFP-64-1	SICOFI®-4μC (SICOFI® + FlexiSLIC™): Four channel codec filter with PCM and microcontroller interface, -40°C to 85°C, tape & reel
▼ PEB 2466 H V2.2	SP000007515	PG-MQFP-64-1	SICOFI®-4μC (SICOFI® + FlexiSLIC™): Four channel codec filter with PCM and microcontroller interface, large packing unit 504 pcs, 0°C to 85°C, tray
PBL 38620/2 SOA	SP000017252	PG-DSO-24-8	PBL38620 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4μC + PBL 38620), -40°C to 85°C, tape & reel
PBL 38620/2 SHA	SP000007870	P-SSOP-24-1	
PBL 38620/2 SOT	SP000007890	PG-DSO-24-8	
PBL 38620/2 QNA	SP000017950	PG-LCC-28-3	
PBL 38621/2 SOA	SP000016951	P-DSO-24-8	PBL38621 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4μC + PBL 38621), -40°C to 85°C, tape & reel
PBL 38621/2 SHA	SP000007871	PG-SSOP-24-1	
PBL 38621/2 SOT	SP000007895	P-DSO-24-8	
PBL 38621/2 QNA	SP000017951	P-LCC-28-3	
PBL 38621/2 QNS	SP000007891	P-LCC-28-2	PBL38621 (SICOFI®+FlexiSLIC™): Subscriber line interface circuit (SICOFI-4μC + PBL 38621), -40°C to 85°C, pre-pack
PBL 38630/2 SOA	SP000017739	P-DSO-24-8	PBL38630 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4μC + PBL 38630), -40°C to 85°C, tape & reel
PBL 38630/2 SOT	SP000007899	P-DSO-24-8	
PBL 38630/2 QNA	SP000017952	P-LCC-28-3	
PBL 38630/2 QNT	SP000007897	P-LCC-28-3	
PBL 38630/2 SOS	SP000007898	P-DSO-24-8	PBL38630 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4μC + PBL 38630), -40°C to 85°C, pre-pack
PBL 38640/2 SOA	SP000016952	P-DSO-24-8	PBL38640 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4μC + PBL 38640), -40°C to 85°C, tape & reel
PBL 38640/2 SOT	SP000007903	P-DSO-24-8	
PBL 38640/2 QNT	SP000007901	P-LCC-28-3	
PBL 38640/2 QNA	SP000017953	P-LCC-28-3	
PBL 38650/2 QNT	SP000007905	P-LCC-28-3	PBL38650 (SICOFI® + FlexiSLIC™): Subscriber line interface circuit (SICOFI-4μC + PBL 38650), -40°C to 85°C, tape & reel
PBL 38650/2 QNA	SP000017954	P-LCC-28-3	
PBL 38650/2 QNS	SP000007904	P-LCC-28-3	
PBL 38650/2 QNS	SP000007904	P-LCC-28-3	

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Voice Access</b>			
<b>SLIC + Codec</b> (cont'd)			
▼ PEB 4265 T V2.1	SP000101234	PG-DSO-20-5	SLIC-E (DuSLIC®): Subscriber line interface circuit, enhanced feature set, -40°C to 85°C, tape & reel
▼ PEB 4265 V V2.1	SP000101233	PG-VQFN-48-4	
▼ PEB 4265-2 V T V2.1	SP000206901	PG-DSO-20-5	SLIC-E2 (DuSLIC®): Subscriber line interface circuit, enhanced feature set, -40°C to 85°C, tape & reel
▼ PEB 4265-2 V V2.1	SP000102911	PG-VQFN-48-4	
PEF 4268 F V1.2	SP000211403	PG-TQFP-48-1	SLIC-DC (DuSLIC®): Subscriber line interface circuit, with integrated DC/DC converter, -40°C to 85°C, tape & reel
PEF 4268 F V1.2	SP000063679	PG-TQFP-48-1	SLIC-DC (DuSLIC®): Subscriber line interface circuit, with integrated DC/DC converter, -40°C to 85°C, tray
PEF 4268 T V1.2	SP000063678	PG-DSO-24-8	SLIC-DC (DuSLIC®): Subscriber line interface circuit, with integrated DC/DC converter, -40°C to 85°C, tape & reel
PEB 4266 V V1.2	SP000007763	PG-VQFN-48-4	SLIC-P (DuSLIC®): Subscriber line interface circuit, enhanced power management, 0°C to 85°C, tape & reel
PEB 4266 T V1.2	SP000007528	PG-DSO-20-5	
▼ PEF 4264 V V2.1	SP000231488	PG-VQFN-48-4	SLIC-S (DuSLIC®): Subscriber line interface circuit, standard feature set, -40°C to 85°C, tape & reel
▼ PEF 4264 T V2.1	SP000231489	PG-DSO-20-5	
▼ PEF 4264-2 V V2.1	SP000231405	PG-VQFN-48-4	SLIC-S2 (DuSLIC®): Subscriber line interface circuit, enhanced feature set, -40°C to 85°C, tape & reel
▼ PEB 4264-2 T V2.1	SP000231490	PG-DSO-20-5	
▼ PEF 4365 T V2.1	SP000099015	PG-DSO-36-15	TSLIC-E (DuSLIC®): Twin subscriber line interface circuit, enhanced feature set, -40°C to 85°C, tape & reel
PEB 4364 T V1.2	SP000007727	P-DSO-36-15	TSLIC-S (DuSLIC®): Twin subscriber line interface circuit, standard feature set, 0°C to 85°C, tube
PEB 4364 T V1.2	SP000007728	P-DSO-36-15	TSLIC-S (DuSLIC®): Twin subscriber line interface circuit, standard feature set, 0°C to 85°C, tape & reel
▼ PEB 4262 V V1.1	SP000008052	PG-VQFN-48-4	SLIC-LCP (DuSLIC®): Subscriber line interface circuit, for US market, 0°C to 85°C, tape & reel
▼ PEB 3268 F V1.1	SP000089806	PG-TQFP-100-9	DuSLIC®-SP: Dual channel subscriber line interface circuit in a single package, 0°C to 85°C, tray
EASY 3265	SP000008002	—	DuSLIC®. Tool package for DuSLIC® family. Tool package includes: 1 x SMART 3265 + 1 x SMART 4265 + 1 x SMART 2000
SMART 3265	SP000007987	—	DuSLIC®. Evaluation board for DuSLIC® family. Evaluation board includes: 1 x SMART 3265 + 1 x SMART 4265
EASY 2466	SP000055577	—	SICOFI® + FlexiSLIC™: Tool package for SICOFI® + FlexiSLIC™ family: Tool package includes: 1 x SMART 2466 + 2 x SMART 386x + 1 x SMART 2000
▼ SMART 4262	SP000008102	—	SLIC-LCP (DuSLIC®): Evaluation board for PEB 4262
SMART 4265 P-VQFN-48	SP000007989	—	SLIC-E/SLIC-P/SLIC-S (DuSLIC®): Evaluation board for PEF 4265 or PEF 4266 or PEF 4264. PEF 4265 soldered on board
SMART 4265 P-DSO-20	SP000007988	—	
SMART 4268	SP000008156	—	SLIC-DC (DuSLIC®): Evaluation board for PEF 4268
SMART 4365 P-DSO-36	SP000007990	—	TSLIC-E/TSLIC-S (DuSLIC®): Evaluation board for PEB 4365 and PEB 4364. PEF 4365 soldered on board
▼ EASY 3268	SP000204383	—	DuSLIC®-SP: Tool package for PEB 3268. Tool package includes: 1 x SMART 3268 + 1 x SMART 2000
▼ SMART 3268	SP000204343	—	DuSLIC®-SP: Evaluation board for PEB 3268. Evaluation board includes: 1 x SMART 3268

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Voice Access</b>			
<b>ISDN S/T and U<sub>pn</sub> Transceiver</b>			
PEB 3081 F V1.4	SP000007636	PG-TQFP-48-1	SBCX-X: Full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tape & reel
PEB 3081 H V1.4	SP000007583	PG-MQFP-44-1	
PEB 3081 F V1.4	SP000007637	PG-TQFP-48-1	SBCX-X: Full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tray
▼ PEB 3081 H V1.4	SP000007584	PG-MQFP-44-1	
PEB 3086 F V1.4	SP000007571	PG-TQFP-64-1	ISAC <sup>®</sup> -SX: Full duplex 2B + D S/T interface transceiver according to ITU-T I.430 with one D-channel HDLC controller and one B-channel HDLC controller with reduced functionality, tray
PEB 3086 H V1.4	SP000007567	PG-MQFP-44-1	
PEB 3086 F V1.4	SP000007572	PG-TQFP-64-1	ISAC <sup>®</sup> -SX: Full duplex 2B + D S/T interface transceiver according to ITU-T I.430 with one D-channel HDLC controller and one B-channel HDLC controller with reduced functionality, tape & reel
PEB 3086 H V1.4	SP000007569	PG-MQFP-44-1	
PSB 3186 F V1.4	SP000007585	PG-TQFP-64-1	ISAC <sup>®</sup> -SX-TE: ISDN subscriber access controller for terminals, full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tray
PSB 3186 H V1.4	SP000007610	PG-MQFP-44-1	
▼ PSB 3186 F V1.4	SP000007586	PG-TQFP-64-1	ISAC <sup>®</sup> -SX-TE: ISDN subscriber access controller for terminals, full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tape & reel
PSB 21150 F V1.4	SP000007575	PG-TQFP-64-1	IPAC-X: ISDN PC adapter circuit extended, full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tray
PSB 21150 H V1.4	SP000007578	PG-MQFP-64-1	
▼ PSB 21150 F V1.4	SP000007577	PG-TQFP-64-1	IPAC-X: ISDN PC adapter circuit extended, full duplex 2B + D S/T interface transceiver according to ITU-T I.430, tape & reel
PSF 21150 F V1.4	SP000007576	PG-TQFP-64-1	IPAC-X: ISDN PC adapter circuit extended, full duplex 2B + D S/T interface transceiver according to ITU-T I.430, -40°C to 85°C, tray
PEB 20590 H V2.2	SP000007249	PG-MQFP-80-1	VIP: Versatile ISDN port. Eight ISDN interfaces with up to four S/T and four U <sub>pn</sub> or eight U <sub>pn</sub> interfaces, large packing unit 504 pcs, tray (only available with DELIC-LC/-PB)
PEB 20590 H V2.2	SP000007251	PG-MQFP-80-1	VIP: Versatile ISDN port. Eight ISDN interfaces with up to four S/T and four U <sub>pn</sub> or eight U <sub>pn</sub> interfaces, large packing unit 84 pcs, tray (only available with DELIC-LC/-PB)
PEB 20591 H V2.2	SP000007600	PG-MQFP-80-1	VIP-8: Versatile ISDN port. Eight ISDN interfaces with up to eight S/T or eight U <sub>pn</sub> interfaces, tray (only available with DELIC-LC/-PB)
▼ PEB 20591 H V2.2	SP000240128	PG-MQFP-80-1	VIP-8: Versatile ISDN port. Eight ISDN interfaces with up to eight S/T or eight U <sub>pn</sub> interfaces, tape & reel (only available with DELIC-LC/-PB)
SMART 3081	on request	—	SBCX-X: Evaluation board for the PEB 3081. Additional tool: SMART 2000
SMART 3086	SP000007986	—	ISAC <sup>®</sup> -SX, ISAC <sup>®</sup> -SX TE: Evaluation board for the PEB 3086 and PSB 3186. Additional tool: SMART 2000
SMART 21150	SP000007975	—	IPAC-X: Evaluation board for the PSB 21150. Additional tool: SMART 2000
SMART 2057	SP000007973	—	VIP: Evaluation board for PEB 20570 / PEB/PEF 20571 and PEB 20590 (evaluation board includes: DELIC-PB + VIP). Additional tool: SMART 2000
SMART 2000 MAINBOARD	SP000007972	—	SMART 2000: Mainboard

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Voice Access</b>			
<b>ISDN PBX Controller</b>			
PEB 20570 F V3.1	SP000007243	PG-TQFP-100-1	DELIC-LC: Line card controller, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 90 pcs, tray
▼ PEB 20570 F V1.3	SP000007242	PG-TQFP-100-1	DELIC-LC: Line card controller, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 540 pcs, tray
PEB 20571 F V3.1	SP000007541	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 1400 pcs, tape & reel
PEB 20571 F V3.1	SP000007540	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 90 pcs, tray
▼ PEB 20571 F V3.1	SP000007539	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), large packing unit 540 pcs, tray
PEF 20571 F V3.1	SP000008000	PG-TQFP-100-1	DELIC-PB: PBX controller with integrated DSP, supporting up to three VIP/VIP-8 (24 ISDN channels), -40°C to 85°C, tray
SMART 2057	SP000007973	—	DELIC-PB/-LC: Evaluation board for PEB 20570/ PEB/PEF 20571 and PEB 20590 (evaluation board includes: DELIC-PB + VIP). Additional tool: SMART 2000
SMART 2000 MAINBOARD	SP000007972	—	SMART 2000: Mainboard

## ISDN Echo Cancellation Circuit

PEF 24902 H V2.1	SP000007489	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, -40°C to 85°C, large packing unit 504 pcs, (only available as chipset IEC4-T/Q), tray
PEF 24902 H V2.1	SP000007490	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, -40°C to 85°C, large packing unit 84 pcs, (only available as chipset IEC4-T/Q), tray
PEF 24902 H V2.1	SP000007491	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, -40°C to 85°C, (only available as chipset IEC4-T/Q), tape & reel
▼ PEB 24902 H V2.1	SP000007347	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, 0°C to 85°C, large packing unit 504 pcs, (only available as chipset IEC4-T/Q), tray
PEB 24902 H V2.1	SP000007348	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, 0°C to 85°C, large packing unit 84 pcs, (only available as chipset IEC4-T/Q), tray
PEB 24902 H V2.1	SP000007349	PG-MQFP-64-1	AFE: 4-channel ISDN echocancellation circuit for 4B3T / 2B1Q line code, 0°C to 85°C, (only available as chipset IEC4-T/Q), tape & reel
PEF 24901 H V2.2	SP000007535	PG-MQFP-64-1	DFE-T: 4-channel ISDN echocancellation circuit for 4B3T line code, -40°C to 85°C, (only available as chipset IEC4-T), tray
▼ PEF 24901 H V2.2	SP000007536	PG-MQFP-64-1	DFE-T: 4-channel ISDN echocancellation circuit for 4B3T line code, -40°C to 85°C, (only available as chipset IEC4-T), tape & reel
PEF 24911 H V2.2	SP000008078	PG-MQFP-64-1	DFE-Q: 4-channel ISDN echocancellation circuit for 2B1Q line code, -40°C to 85°C, (only available as chipset IEC4-Q), tray
▼ PEF 24911 H V2.2	SP000008079	PG-MQFP-64-1	DFE-Q: 4-channel ISDN echocancellation circuit for 2B1Q line code, -40°C to 85°C, (only available as chipset IEC4-Q), tape & reel
▼ SMART 24901	on request	—	IEC4-T (PEB/PEF 24902 + 24901): Evaluation board for IEC4-T, Europe version, 4B3T line coding (evaluation board includes: Quad AFE + DFE-T + ELIC + IHPC). Additional tool: SMART 2000
▼ SMART 24911	on request	—	IEC4-Q (PEB/PEF 24902 + 24911): Evaluation board for IEC4-Q chipset, USA/Japan version, 2B1Q line coding (evaluation board includes: Quad AFE + DFE-Q + ELIC + IHPC). Additional tool: SMART 2000
SMART 2000 MAINBOARD	SP000007972	—	SMART 2000: Mainboard

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Voice Access</b>			
<b>ISDN/SHDSL Power Controller</b>			
▼ PEF 2026 T-S V1.1	SP000007176	PG-DSO-20-6	IHPC: Single ISDN /SHDSL high voltage power controller, -40°C to 85°C, tube
▼ PEF 2026 T-S V1.1	SP000007178	PG-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, -40°C to 85°C, tape & reel
PEF 2026 T-P V1.1	SP000007174	P-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, -40°C to 85°C, tube
▼ PEB 2026 T-S V1.1	SP000007175	PG-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, 0°C to 85°C, tube
PEB 2026 T-S V1.1	SP000007177	P-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, 0°C to 85°C, tape & reel
PEB 2026 T-P V1.1	SP000007173	P-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, 0°C to 85°C, tape & reel
▼ PEB 2026 T-P V1.1	SP000007172	P-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, 0°C to 85°C, large packing unit 155 pcs, tube
▼ PEB 2026 T-P V1.1	SP000007171	P-DSO-20-6	IHPC: Single ISDN/SHDSL high voltage power controller, 0°C to 85°C, large packing unit 1240 pcs, tube
▼ PEF 2426 H V1.1 GD	SP000007499	PG-MQFP-44-1	QIHPC: Quad ISDN/SHDSL high voltage power controller, tape & reel
▼ PEF 2426 H V1.1 D	SP000007497	PG-MQFP-44-1	QIHPC: Quad ISDN/SHDSL high voltage power controller, tray
▼ SMART 2426 USA/JPN	on request	—	QIHPC: Evaluation board for PEF 2426, USA/Japan version, 2B1Q line coding (evaluation board includes: Quad AFE + DFE-T + ELIC + IHPC). Additional tool: SMART 2000
▼ SMART 2426 EURO	on request	—	QIHPC: Evaluation board for PEF 2426, Europe version, 4B3T line coding (evaluation board includes: Quad AFE + DFE-Q + ELIC + IHPC). Additional tool: SMART 2000
SMART 2000 MAINBOARD	SP000007972	—	SMART 2000: Mainboard

## PCM Interface Controller

▼ PEF 2054 N V2.1	SP000075438	PG-LCC-44-1	EPIC <sup>®</sup> -S: Extended PCM interface controller (16 ISDN or 32 analog subscribers), tape & reel
PEF 2054 N V2.1	SP000007790	P-LCC-44-1	
▼ PEF 2054 N V2.1	SP000057916	PG-LCC-44-1	EPIC <sup>®</sup> -S: Extended PCM interface controller (16 ISDN or 32 analog subscribers), tube
▼ PEF 2055 N V2.1	SP000075706	PG-LCC-44-1	EPIC <sup>®</sup> -1: Extended PCM interface controller (32 ISDN or 64 analog subscribers), tube
PEF 2055 N V2.1	SP000007791	P-LCC-44-1	
▼ PEF 2055 N V2.1	SP000075707	PG-LCC-44-1	EPIC <sup>®</sup> -1: Extended PCM interface controller (32 ISDN or 64 analog subscribers), tape & reel
PEF 20550 H V2.1	SP000007795	PG-MQFP-80-1	ELIC <sup>®</sup> : Extended line card interface controller (32 ISDN or 64 analog subscribers), tape & reel
PEF 20550 H V2.1	SP000007794	P-MQFP-80-1	ELIC <sup>®</sup> : Extended line card interface controller (32 ISDN or 64 analog subscribers), large packing unit 84 pcs, tray
▼ PEF 20550 H V2.1	SP000007793	PG-MQFP-80-1	ELIC <sup>®</sup> : Extended line card interface controller (32 ISDN or 64 analog subscribers), large packing unit 504 pcs, tray
▼ SMART 24901	on request	—	ELIC <sup>®</sup> : Evaluation board for PEF 20550, Europe version, 4B3T line coding (evaluation board includes: Quad AFE + DFE-T + ELIC + IHPC). Additional tool: SMART 2000
▼ SMART 24911	on request	—	ELIC <sup>®</sup> : Evaluation board for PEF 20550, USA/Japan version, 2B1Q line coding (evaluation board includes: Quad AFE + DFE-Q + ELIC + IHPC). Additional tool: SMART 2000

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Voice Access</b>			
<b>ISDN Network Termination Controller (NT1, iNT)</b>			
PEF 80902 H V1.1	SP000007563	PG-MQFP-44-2	T-SMINT <sup>®</sup> -O: 4B3T second generation modular ISDN NT (ordinary), tape & reel
PEF 80902 H V1.1	SP000007562	PG-MQFP-44-2	T-SMINT <sup>®</sup> -O: 4B3T second generation modular ISDN NT (ordinary), tray
PEF 82902 F V1.1	SP000007565	PG-TQFP-64-1	T-SMINT <sup>®</sup> -I: 4B3T second generation modular ISDN NT (intelligent), tray
▼ PEF 82902 F V1.1	SP000007566	PG-TQFP-64-1	T-SMINT <sup>®</sup> -I: 4B3T second generation modular ISDN NT (intelligent), tape & reel
▼ PEF 81902 F V1.1	SP000007564	PG-TQFP-64-1	T-SMINT <sup>®</sup> -IX: 4B3T second generation modular ISDN NT (intelligent extended), tray
PEF 80912 H V1.4	SP000007554	PG-MQFP-44-2	Q-SMINT <sup>®</sup> -O: 2B1Q second generation modular ISDN NT (ordinary), large packing unit 96 pcs, tray
▼ PEF 80912 H V1.4	SP000007553	PG-MQFP-44-2	Q-SMINT <sup>®</sup> -O: 2B1Q second generation modular ISDN NT (ordinary), large packing unit 576 pcs, tray
▼ PEF 80912 H V1.4	SP000007555	PG-MQFP-44-2	Q-SMINT <sup>®</sup> -O: 2B1Q second generation modular ISDN NT (ordinary), tape & reel
PEF 82912 F V1.4	SP000007558	PG-TQFP-64-1	Q-SMINT <sup>®</sup> -I: 2B1Q second generation modular ISDN NT (intelligent), tray
▼ PEF 82912 F V1.4	SP000007559	PG-TQFP-64-1	Q-SMINT <sup>®</sup> -I: 2B1Q second generation modular ISDN NT (intelligent), tape & reel
SIP 80912	SP000007970	—	Q-SMINT <sup>®</sup> -O: Evaluation board for PEF 80912
▼ SIP 82912	on request	—	Q-SMINT <sup>®</sup> -I: Evaluation board for PEF 82912

## 16-Bit Microcontroller for ISDN

SAF C161U-LF V1.3	SP000007502	PG-TQFP-100-1	C161U: 16-bit microcontroller with USB, tray
SAF C165H-LF V1.3	SP000007668	P-TQFP-144-2	C165U: 16-bit microcontroller with HDLC and IOM <sup>®</sup> -2, large packing unit 60 pcs, tray
▼ SAF C165H-LF V1.3	SP000007667	PG-TQFP-144-2	C165U: 16-bit microcontroller with HDLC and IOM <sup>®</sup> -2, large packing unit 360 pcs, tray
▼ SAF C165H-LF V1.3	SP000007669	PG-TQFP-144-2	C165H: 16-bit microcontroller with HDLC and IOM <sup>®</sup> -2, tape & reel
SAF C165UTAH-LF V1.3	SP000007475	PG-TQFP-144-2	UTAH: 16-bit microcontroller with USB, HDLC and IOM <sup>®</sup> -2, large packing unit 60 pcs, tray
▼ SAF C165UTAH-LF V1.3	SP000007474	PG-TQFP-144-2	UTAH: 16-bit microcontroller with USB, HDLC and IOM <sup>®</sup> -2, large packing unit 360 pcs, tray
SAF C165UTAH-LF V1.3	SP000007476	PG-TQFP-144-2	UTAH: 16-bit microcontroller with USB, HDLC and IOM <sup>®</sup> -2, tape & reel
EASY C161U	SP000007940	—	C161U: Evaluation board for SAF-C161U
EASY UTAH	SP000007941	—	UTAH: Evaluation board for SAF-C165UTAH/SAF-C165H

## VoIP Terminals

▼ PSB 21553 E V1.4-G	SP000017644	PG-LBGA-324-3	INCA <sup>®</sup> -IPs: Single-chip IP-phone solution with integrated 3-port ethernet switch, tape & reel
▼ PSB 21553 E V1.4-G	SP000056178	PG-LBGA-324-3	INCA <sup>®</sup> -IPs: Single-chip IP-phone solution with integrated 3-port ethernet switch, tray
▼ PSB 21521 E V1.4-G	SP000007840	PG-LBGA-324-3	INCA <sup>®</sup> -IPc: Single-chip IP-phone solution with single 10/100BaseT ethernet port, tape & reel
▼ PSB 21521 E V1.4-G	SP000226522	PG-LBGA-324-3	INCA <sup>®</sup> -IPc: Single-chip IP-phone solution with single 10/100BaseT ethernet port, tray
▼ EASY 21553	SP000007917	—	INCA <sup>®</sup> -IP: Evaluation board for PSB 21553

SMD = Surface Mounted Device



# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Voice Access</b>			
<b>ISDN Terminals</b>			
PSB 21382 H V1.3	SP000007373	PG-MQFP-64-1	SCOUT™-S: Siemens codec with S/T transceiver, tray
PSB 21383 H V1.3	SP000007532	PG-MQFP-44-1	SCOUT™-SX: Siemens codec with S/T transceiver featuring speakerphone functionality, tape & reel
▼ PSB 21383 H V1.3	SP000007531	PG-MQFP-44-1	SCOUT™-SX: Siemens codec with S/T transceiver featuring speakerphone functionality, large packing unit 96 pcs, tray
▼ PSB 21383 H V1.3	SP000007530	PG-MQFP-44-1	SCOUT™-SX: Siemens codec with S/T transceiver featuring speakerphone functionality, large packing unit 576 pcs, tray
PSB 21384 H V1.3	SP000007374	PG-MQFP-64-1	SCOUT™-SX: Siemens codec with S/T transceiver featuring speakerphone functionality, tray
▼ PSB 21384 H V1.3	SP000007375	PG-MQFP-64-1	SCOUT™-SX: Siemens codec with S/T transceiver featuring speakerphone functionality, tape & reel
PSB 21373 H V1.1	SP000007602	PG-MQFP-44-1	SCOUT™-DX: Siemens codec with 2-wire data transceiver featuring speakerphone function, tape & reel
PSB 21391 H V1.3	SP000007376	PG-MQFP-44-1	SCOUT™-P: Siemens codec with U <sub>pn</sub> transceiver, tray
▼ PSB 21391 H V1.3	SP000007377	PG-MQFP-44-1	SCOUT™-P: Siemens codec with U <sub>pn</sub> transceiver, tape & reel
PSB 21393 H V1.3	SP000007533	PG-MQFP-44-1	SCOUT™-PX: Siemens codec with U <sub>pn</sub> transceiver featuring speakerphone functionality, tray
PSB 21393 H V1.3	SP000007534	PG-MQFP-44-1	SCOUT™-PX: Siemens codec with U <sub>pn</sub> transceiver featuring speakerphone functionality, tape & reel
▼ PSB 21493 H V1.7	SP000007996	P-MQFP-144-1	INCA®-P: Infineon codec with U <sub>pn</sub> transceiver and embedded microcontroller featuring acoustic echo cancellation, tape & reel
▼ PSB 21493 H V1.7	SP000103945	P-MQFP-144-1	INCA®-P: Infineon codec with U <sub>pn</sub> transceiver and embedded microcontroller featuring acoustic echo cancellation, tray
PSB 21483 F V1.7	SP000007699	PG-TQFP-144-1	INCA®-S: Infineon codec with S/T transceiver and embedded microcontroller featuring acoustic echo cancellation, tray
▼ PSB 21473 F V1.3	SP000007701	PG-TQFP-144-1	INCA®-D: Infineon codec with DASL transceiver and embedded microcontroller featuring acoustic echo cancellation, tape & reel
▼ PSB 21473 F V1.3	SP000007700	PG-TQFP-144-1	INCA®-D: Infineon codec with DASL transceiver and embedded microcontroller featuring acoustic echo cancellation, tray
SMART 21384	SP000007976	—	SCOUT™-S/-SX: Evaluation board for PSB 21382/84. Additional tool: SMART 2000
▼ SMART 21383	on request	—	SCOUT™-SX: Evaluation board for PSB 21383. Additional tool: SMART 2000
SMART 21393 EURO	SP000007977	—	SCOUT™-P/-PX: Evaluation board for PSB 21391/93 Europe version. Additional tool: SMART 2000
▼ SMART 21393 USA	on request	—	SCOUT™-P/-PX: Evaluation board for PSB 21391/93 USA version. Additional tool: SMART 2000
SIPB 21493	SP000007967	—	INCA-P®: Evaluation board for 21493
▼ SIPB 21483	on request	—	INCA®-S: Evaluation board for PSB 21483
▼ SIPB 21486	on request	—	INCA®-P; INCA®-S: Acoustic box (20 Ohm) for PSB 21493 and PSB 21483
SMART 2000 MAINBOARD	SP000007972	—	SMART 2000: Mainboard

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Broadband CPE</b>			
<b>Network Processor</b>			
ADM 5120 X AB T2-G	SP000078983	PG-BGA-324-1	Network Processor: System-on-chip home gateway controller, USB 1.1, PCI, 5TP+GMII, tray
ADM 5120 PX AB T2	SP000081012	PG-FQFP-208-9	Network Processor: System-on-chip home gateway controller, USB 1.1, 5TP+MII, tray
EASY 5120-RT	SP000017922	—	Network Processor: Evaluation board for ADM5120 (X) (Wireless VoIP router reference package)
EASY 5120-WVOIP RT	SP000017943	—	Network Processor: Evaluation board for ADM5120 (X) (2-channel ATA VoIP router reference package)

## Wireless System On-Chip (SoC)

▼ ADM 8668 FX A12-G	SP000208946	PG-BGA-352-1	Wildpass: Wireless network bridging system-on-chip, WLAN (WMAC+BBP), USB 2.0, 1TP+1MII
▼ ADM 8668 TX A12	SP000208947	PG-BGA-289-1	Wildpass: Wireless network bridging system-on-chip, WLAN (WMAC+BBP), USB 2.0, 1TP+1MII, PCI bridge, tray
▼ EASY 8668 F	SP000068129	—	Wildpass: Evaluation board for ADM 8668 F(X)

## Network Interface Card (NIC)

AN 983 BX BG TV1	SP000075554	PG-MQFP-128-2	NIC: PCI to fast ethernet NIC controller, tray
▼ AN 983 BX BG TV3	SP000103413	PG-MQFP-128-2	
AN 983 BLX BG TV1	SP000076446	PG-LQFP-128-1	
▼ AN 983X AH T 21	SP000078897	PG-MQFP-128-2	
▼ AN 983X AH T 22	SP000078898	PG-MQFP-128-2	
▼ AN 985 BX BG TV1	SP000076447	PG-LQFP-128-1	NIC: Cardbus to fast ethernet NIC controller, tray
ADM 8511 X CC T1	SP000076521	PG-LQFP-100-1	NIC: USB 1.1 to fast ethernet NIC controller, tray
ADM 8513 X AD T1	SP000077769	PG-LQFP-48-1	NIC: USB 1.1 to fast ethernet NIC controller, tray
▼ ADM 8515X AC T1	SP000064377	PG-LQFP-100-1	NIC: USB 2.0 to ethernet NIC controller, tray
▼ EASY 7001 NIC	SP000018110	—	NIC: Evaluation board for AN 983 B(X) (including ADM 7001)
▼ EASY 8511	SP000067472	—	NIC: Evaluation board for ADM 8511 (X)
EASY 8515	SP000017920	—	NIC: Evaluation board for ADM 8515 (X)

## Switch/Phy

ADM 6992 X AD T1	SP000076445	PG-MQFP-128-2	Ninja: Fiber-to-fast ethernet converter, tray
▼ ADM 6992 SX AB T1	SP000223283	PG-TQFP-64-4	
▼ ADM 6992 CX AB T1	SP000076431	PG-TQFP-64-4	Ninja: Two port fiber-to-fast ethernet converter bridge, tray
▼ ADM 6992 FX AB T1	SP000077768	PG-MQFP-128-2	Ninja: Fiber-to-fast ethernet converter with OAM engine for TS-1000 protocol conversion, tray
▼ ADM 6992 KX AB T1	SP000076432	PG-TQFP-64-4	Ninja: Fiber-to-fast ethernet converter with integrated three port L2 switch, tray
▼ EASY 6992 C	SP000017946	—	Ninja: Evaluation board for ADM 6992 C(X)
EASY 6992 F	SP000017947	—	Ninja: Evaluation board for ADM 6992 F(X)
EASY 6992 K	SP000017944	—	Ninja: Evaluation board for ADM 6992 K(X)
▼ ADM 6993 X AD T1	SP000076438	PG-MQFP-128-2	Ninja: Fiber-to-fast ethernet converter with integrated three port L2 switch, tray
▼ ADM 6993 FX AD T1	SP000016437	PG-MQFP-128-2	Ninja: Fiber-to-fast-ethernet converter with integrated three port L2 switch, OAM engine for TS-1000 protocol conversion, tray
▼ EASY 6993 F	SP000017919	—	Ninja: Evaluation board for ADM 6993 F(X)
▼ ADM 6995 LCX AD T1	SP000219864	PG-MQFP-128-2	Samurai: Five port L2 ethernet switch controller, 5TP, MDC/MDIO, tray
▼ ADM 6996 FCX AD T1	SP000219863	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 4TP+2MII, MDC/MDIO, tray
▼ ADM 6996 FCX AD R1	SP000229744	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 4TP+2MII, MDC/MDIO, tape & reel
▼ ADM 6996 IX AD T1	SP000219861	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 5TP+1MII, extra function on IGMP, QOS, tray

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wired Communication Broadband CPE</b>			
<b>Switch/Phy</b> (cont'd)			
▼ ADM 6996 LCX AD R1	SP000228446	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 5TP+1MII, tape & reel
▼ ADM 6996 LCX AD T1	SP000219862	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 5TP+1MII, MDC/MDIO, tray
▼ ADM 6996 MX AD T1	SP000210310	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 4TP+2MII, MDC/MDIO, extra function on IGMP, QOS, tray
▼ ADM 6996 HX AD T1	SP000220561	PG-MQFP-128-2	Samurai: Six port L2 ethernet switch controller, 4TP+1MII+1HDLC, MDC/MDIO, extra function on IGMP, QOS, tray
EASY 6996 FC	SP000062347	—	Samurai: Evaluation board for ADM 6996 FC(X)
▼ EASY 6996 I	SP000062345	—	Samurai: Evaluation board for ADM 6996 I(X)
EASY 6996 I CPU	SP000084733	—	Samurai: Evaluation board for ADM 6996 I(X) with CPU
EASY 6996 LC	SP000062346	—	Samurai: Evaluation board for ADM 6996 LC(X)
EASY 6996 M	SP000062344	—	Samurai: Evaluation board for ADM 6996 M(X)
▼ EASY 6996 M CPU	SP000084732	—	Samurai: Evaluation board for ADM 6996 M(X) with CPU
ADM 6999 X A2 T1	SP000076443	PG-MQFP-128-2	Switch: Nine-port L2 ethernet switch controller, 8TP+1MII, tray
▼ ADM 6999 GX A2 T1	SP000076440	PG-MQFP-128-2	Switch: Nine-port L2 switch controller, 8TP+1GMII, tray
▼ ADM 6999 UX A2 T1	SP000076439	PG-MQFP-128-2	Switch: Nine-port L2 ethernet switch controller, 8TP+1.6GMII, tray
EASY 6999	SP000018106	—	Switch: Evaluation board for ADM 6999 (X)
EASY 6999 U	SP000018108	—	Switch: Evaluation board for ADM 6999 U(X)
▼ EASY 6999 G	SP000018107	—	Switch: Evaluation board for ADM 6999 G(X)
ADM 7001 X AC T1	SP000076255	PG-LQFP-48-1	Phy: One-port 10/100Mbit/s phy, tray
▼ ADM 7001 X AC R1	SP000083260	PG-LQFP-48-1	Phy: One-port 10/100Mbit/s phy, tape & reel
EASY 7001 MII	SP000018109	—	Phy: Evaluation board for ADM 7001 (X)

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wireless Communication</b>			
<b>WLAN</b>			
▼ ADM 8262 X AC T1	SP000208914	PG-LQFP-128-1	Wildcard G: Wireless Lan 802.11a/b/g MAC + BBP single chip controller with PCI, mini-PCI and Cardbus interface, tray
▼ ADM 8266 A21	SP000098969	PG-LQFP-128-1	Wildcard USB: 802.11a/b/g MAC + BBP single chip WiFi Controller with USB interface, tray
▼ ADM 8266M A21	SP000098970	PG-LQFP-128-1	
▼ PEF 8820 V	SP000054913	PG-VQFN-48-1	Lucky Warp: 802.11 a/b/g RF transceiver, tape & reel
EASY 8262 MINI PCI	SP000018113	—	Wildcard G: Evaluation board for ADM 8262
EASY 8262 CARDBUS	SP000018111	—	
▼ EASY 8266 USB	SP000054643	—	Wildcard USB: Evaluation board for ADM 8266 (Dongle)
▼ EASY 8266 COMBO	on request	—	Wildcard G: Evaluation board for ADM 8266 (memory stick combo)
<b>Bluetooth®</b>			
◆▼ PMB 8761 G V3.29	SP000095537	PG-VQFN-48-1	BlueMoon Single Cellular: Bluetooth® 1.2 HCI single chip, tape & reel
◆▼ PMB 8753 J V2.07	SP000226865	PG-WFSGA-65	BlueMoon Single Cellular: CF-Card for PMB 8761 (BlueMoon Single Cellular), tape & reel
◆▼ PMB 8753 A V2.07	SP000226864	PG-WFSGA-65	
◆▼ PBA 31307/1R2A	SP000009862	L-MLGA-72	Single Stone Module: Bluetooth® 1.2 HCI based module, tape & reel
◆▼ PBA 31308	SP000209746	P-MODUL-1	Uni Stone Module: Bluetooth® 2.0 HCI based module with Enhanced Data Rate (EDR), tape & reel
◆▼ BlueMoon Single Cellular Kit	on request	—	BlueMoon Single Cellular: Evaluation board for PMB 8761 Evaluation kit includes: 2 x mainboard and 2 x card
◆▼ BlueMoon Single Cellular CF-Card	on request	—	BlueMoon Single Cellular: CF-Card for PMB 8761
◆▼ BlueMoon Uni Cellular Kit	on request	—	BlueMoon Uni Cellular: Evaluation board for PMB 8761 Evaluation kit includes: 2 x mainboard and 2 x card
◆▼ BlueMoon Uni Cellular CF-Card	on request	—	BlueMoon Uni Cellular: CF-Card for PMB 8761
◆▼ BlueMoon Singlestone Cellular Kit	on request	—	Singlestone Module: Evaluation board for PBA 31307 Evaluation kit includes: 2 x mainboard and 2 x card
◆▼ BlueMoon Singlestone Cellular CF-Card	on request	—	Singlestone Module: CF-Card for PBA 31307
◆▼ BlueMoon Unistone Cellular Kit	on request	—	Unistone Module: Evaluation board for PBA 31308 Evaluation kit includes: 2 x mainboard and 2 x card
◆▼ BlueMoon Unistone Cellular CF-Card	on request	—	Unistone Module: CF-Card for PBA 31308
<b>Digital Cordless Telephony (DECT)</b>			
PMB 6818 R V1.1	SP000008828	PG-TSSOP-10-1	Dect: Power amplifier, tape & reel
PMB 6819 R V1.1	SP000008753	PG-TSSOP-10-1	Dect: 2 V power amplifier, tape & reel
▼ PMB 6610 R V2.1W	SP000055958	PG-TSSOP-38-1	Dect: Low-IF transceiver for DECT, tape & reel
PMB 6610 R V2.1A	SP000106609	P-TSSOP-38-1	
▼ PMB 7610 R V1.1	SP000008752	PG-TSSOP-38-1	Dect: Transceiver with improved density, tape & reel
▼ PMB 6723 F V1.4 FL	SP000008714	PG-TQFP-100-1	Dect: Handset controller with handsfree capability, tape & reel
▼ PMB 6723 F V1.423	SP000217504	PG-TQFP-100-1	
▼ PMB 7722 F V1.4 FL	SP000008975	PG-TQFP-100-1	Dect: Handset controller with walkie-talkie function, large packing unit 1400 pcs, tape & reel
▼ PMB 7722 F V1.4 FL	SP000008974	PG-TQFP-100-1	Dect: Handset controller with walkie-talkie function, large packing unit 1000 pcs, tape & reel
▼ PMB 5737 F V3.552 PCC	SP000008709	P-TQFP-144-1	Dect: Basestation controller with SMS functionality, tape & reel
▼ PMB 5737 F V3.5	SP000008707	P-TQFP-144-1	
▼ PMB 6725 XF V1.5 FL	SP000008732	PG-TQFP-100-1	Dect: Basestation controller with external ROM/RAM interface, tape & reel
▼ PMB 6725 XF V1.565	SP000008725	PG-TQFP-100-1	
PMB 6725 XF V1.592	SP000008731	P-TQFP-100-1	
▼ PMB 7725 XF V1.3 FL	SP000008907	PG-TQFP-100-1	Dect: Basestation controller with SMS functionality, tape & reel
▼ PMB 7725 H V1.3115	SP000089006	P-MQFP-64-1	

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wireless Communication</b>			
<b>2.4-GHz WDCT</b>			
▼ PMB 4823 R V1.1	SP000008698	PG-TSSOP-10-1	Dect: WDCT power amplifier, tape & reel
▼ PMB 6823 R V1.1	SP000008815	PG-TSSOP-10-1	Dect: WDCT 2 V power amplifier, tape & reel
PMB 6618 R V2.1	SP000009044	PG-TSSOP-38-1	Dect: Low-IF transceiver for 2.4-GHz WDCT, tape & reel
▼ PMB 6724 F V1.4 FL	SP000008716	P-TQFP-100-1	Dect: WDCT Handset Controller, tape & reel
▼ PMB 7724 F V1.406	SP000079572	PG-TQFP-100-1	Dect: WDCT Handset Controller with walkie-talkie function, tape & reel
▼ PMB 7724 H V1.406	SP000016802	PG-MQFP-64-1	
▼ PMB 5736 U	SP000065010	P-TQFP-144-1	Dect: WDCT Basestation Controller with integrated answering machine, tape & reel
▼ PMB 6726 XF V1.5 FL	SP000008875	P-TQFP-100-1	Dect: WDCT Basestation Controller with external ROM-/RAM interface, tape & reel
▼ PMB 6726 XF V1.543	SP000008877	P-TQFP-100-1	
▼ PMB 7726 H V1.304	SP000008953	P-MQFP-64-1	Dect: WDCT Basestation Controller with increased memory size, tape & reel

## RF Power GOLDMOS®

◆▼ PTF 040551E	SP000082501	H-30265-2-1	High power RF LDMOSFET, 55 W, 450-MHz to 500-MHz bandwidth, tray
◆▼ PTF 041501E V1.0	SP000064068	H-30260-2-1	High power RF LDMOSFET, 150 W, 450-MHz to 500-MHz bandwidth, tray
◆▼ PTF 080101M	SP000082763	PG-TSSOP-10-1	High power RF LDMOSFET, 10 W, 860-MHz to 960-MHz bandwidth, tape & reel
◆ PTF 080101S V1.0	SP000018181	H-32259-2-1	High power RF LDMOSFET, 10 W, 860-MHz to 960-MHz bandwidth, tray
◆ PTF 080901E V1.0	SP000009921	H-30248-2-1	High power RF LDMOSFET, 90 W, 860-MHz to 960-MHz bandwidth, tray
◆ PTF 080901F V1.0	SP000009922	H-31248-2-1	
◆ PTF 081301E V1.0	SP000017347	H-30248-2-1	High power RF LDMOSFET, 130 W, 860-MHz to 960-MHz bandwidth, tray
◆ PTF 082001E V1.0	SP000017756	H-30260-2-1	High power RF LDMOSFET, 200 W, 860-MHz to 960-MHz bandwidth, tray
◆▼ PTF 140451E V1.0	SP000102183	H-30265-2-1	High power RF LDMOSFET, 45 W, 1450-MHz to 1500-MHz bandwidth, tray
◆▼ PTF 141501E V1.0	SP000095458	H-30260-2-1	High power RF LDMOSFET, 150 W, 1450-MHz to 1500-MHz bandwidth, tray
◆▼ PTF 180101M V1.0	SP000076951	PG-TSSOP-10-1	High power RF LDMOSFET, 10 W, 1800-MHz to 1900-MHz bandwidth, tape & reel
◆ PTF 180101S V1.0	SP000009989	H-32259-2-1	
◆▼ PTF 180301E V1.0	SP000017754	H-30265-2-1	High power RF LDMOSFET, 30 W, 1800-MHz to 2000-MHz bandwidth, tray
◆ PTF 180901E V1.0	SP000009918	H-30248-2-1	High power RF LDMOSFET, 90 W, 1800-MHz to 2000-MHz bandwidth, tray
◆ PTF 180901F V1.0	SP000009917	H-31248-2-1	
◆ PTF 181301E V1.0	SP000017571	H-30260-2-1	High power RF LDMOSFET, 130 W, 1800-MHz to 2000-MHz bandwidth, tray
◆ PTF 191601E V1.0	SP000018182	H-30260-2-1	High power RF LDMOSFET, 160 W, 1800-MHz to 2000-MHz bandwidth, tray
◆▼ PTF 210101M V1.0	SP000076952	PG-TSSOP-10-1	High power RF LDMOSFET, 20 W, 2100-MHz to 2170-MHz bandwidth, tape & reel
◆ PTF 210301E V1.0	SP000009913	H-30265-2-1	High power RF LDMOSFET, 30 W, 2110-MHz to 2170-MHz bandwidth, tray

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wireless Communication</b>			
<b>RF Power GOLDMOS®</b> (cont'd)			
◆ PTF 211301E V1.0	SP000017750	H-30260-2-1	High power RF LDMOSFET, 130 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTF 240101S V1.0	SP000082764	H-32259-2-1	High power RF LDMOSFET, 10 W, 2400-MHz to 2500-MHz bandwidth, tray
◆▼ PTFA 043002E V1.0	SP000082722	H-30275-4-1	High power RF LDMOSFET, 300 W, 470-MHz to 860-MHz bandwidth, tray
◆▼ PTFA 191001E V1.0	SP000056796	H-30248-2-1	High power RF LDMOSFET, 100 W, 1930-MHz to 1990-MHz bandwidth, tray
◆▼ PTFA 210451E V1.0	SP000082505	H-30265-2-1	High power RF LDMOSFET, 45 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 210601E V1.0	SP000102489	H-30265-2-1	High power RF LDMOSFET, 60 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 211001E V1.0	SP000064069	H-30248-2-1	High power RF LDMOSFET, 100 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 211801E V1.0	SP000065496	H-30260-2-1	High power RF LDMOSFET, 180 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 211801F V1.0	SP000075700	H-31260-2-1	
◆▼ PTFA 212002E V1.0	SP000074111	H-30275-2-1	High power RF LDMOSFET, 220 W, 2110-MHz to 2170-MHz bandwidth, tray
◆▼ PTFA 240451E V1.0	SP000063673	H-30265-2-1	High power RF LDMOSFET, 45 W, 2400-MHz to 2500-MHz bandwidth, tray
◆▼ PTFA 241301E V1.0	SP000082766	H-30260-2-1	High power RF LDMOSFET, 130 W, 2400-MHz to 2500-MHz bandwidth, tray
◆▼ PTFA 260451E V1.0	SP000063672	H-30265-2-1	High power RF LDMOSFET, 45 W, 2620-MHz to 2680-MHz bandwidth, tray
◆▼ PTFA 261301E	SP000086852	H-30260-2-1	High power RF LDMOSFET, 130 W, 2620-MHz to 2680-MHz bandwidth, tray

## Tuner ICs

TUA 6020	SP000012798	PG-TSSOP-28-1	Tuner: 2-band TV tuner mixer-oscillator-PLL with balanced IF-amplifier, for analog and stationary TV reception, tape & reel
TUA 6024-2	SP000012767	PG-TSSOP-28-1	
KTS 6027-2	SP000013185	PG-TSSOP-28-1	Tuner: 2-band TV tuner mixer-oscillator-PLL with unbalanced IF-amplifier, for analog TV reception, tape & reel
KTS 6029-2	SP000013186	PG-TSSOP-28-1	
▼ TUA 1030 DRYPACK	SP000013616	PG-TSSOP-24-1	Tuner: WDCT Basestation Controller, for analog TV reception, tape & reel
TUA 6030	SP000012954	PG-TSSOP-38-1	Tuner: 3-band RF Tuner for PAL/NTSC, DVB-C, ATSC and DOCSIS with MOPLL (mixer, oscillator and digitally programmable PLL), for analog and stationary TV reception, tape & reel
TUA 6034 T	SP000013610	PG-TSSOP-38-1	Taifun: Full 3-band RF tuner for PAL/NTSC, DVB-T, DVB-C, ISDB-T, ATSC and OPEN CABLE standard with MOPLL (mixer, oscillator and digitally programmable PLL), for stationary and portable TV reception, tape & reel
TUA 6034 V	SP000017969	PG-VQFN-48-1	
TUA 6036 T	SP000014627	PG-TSSOP-38-1	Taifun: Full 3-band RF tuner for PAL/NTSC, DVB-T, DVB-C, ISDB-T, ATSC and OPEN CABLE standard with MOPLL (mixer, oscillator and digitally programmable PLL), for stationary TV reception, tape & reel
TDA 6190 T GEG DRYPACK	SP000012811	PG-DSO-16-1	Tuner: Digital TV mixer for QAM or QFDM modulated signals, for stationary TV reception, tape & reel
TDA 6190 T GEG	SP000012810	PG-DSO-16-1	
TDA 6192 T DRYPACK	SP000013410	PG-TSSOP-16-1	Tuner: Direct IF sampling amplifier, for stationary and portable TV reception, tape & reel
TDA 6192 T	SP000013411	PG-TSSOP-16-1	
TDA 6192 V	SP000017968	PG-VQFN-20-3	
▼ TUA 6041	SP000018085	PG-VQFN-48-1	Lighting: Digitally aligned, full 3-band, low power RF tuner IC, with integrated IF AGC, for portable TV reception, tape & reel
▼ TUA 6045	SP000018086	PG-VQFN-48-1	Taifun 3: Full 3-band, low power RF tuner IC with integrated AGC amplifier, for portable TV reception, tape & reel

SMD = Surface Mounted Device

# Communication

Type	Ordering Code	Package	Description
<b>Wireless Communication</b>			
<b>Tuner ICs</b>			
(cont'd)			
▼ KTS 6027-2 Evaboard	on request	—	Tuner: Evaluation board for KTS 6027-2
▼ KTS 6027-2 Ref Tuner	on request	—	Tuner: Reference tuner board with KTS 6027-2
▼ TDA 6190 T Evaboard	on request	—	Taifun: Evaluation board for TDA 6190 T
▼ TDA 6192 T Evaboard	on request	—	Taifun: Evaluation board for TDA 6192 T
▼ TUA 6020 Evaboard	on request	—	Tuner: Evaluation board for TUA 6020
▼ TUA 6024-2 Evaboard	on request	—	Tuner: Evaluation board for TUA 6024-2
▼ TUA 6030 Evaboard	on request	—	Tuner: Evaluation board for TUA 6030
▼ TUA 6034 + TDA 6190 T Low IF Half NIM	on request	—	Taifun: Low IF half NIM with TUA 6034 + TDA 6190 T
▼ TUA 60342 V Mini Half NIM	on request	—	Taifun: Mini half NIM board with TUA 6034 V
▼ TUA 6034 ATSC Reference NIM LGE Demod	on request	—	Taifun: Reference NIM board (ATSC) with LGE Demodulator with TUA 6034
▼ TUA 6034 ATSC Reference Tuner	on request	—	Taifun: Reference tuner board with TUA 6034
▼ TUA 6034 DVB-T Reference NIM Micronas Demod	on request	—	Taifun: Reference NIM (DVB-T) with Micronas Demodulator with TUA 6034
▼ TUA 6034 DVB-T Reference Tuner	on request	—	Taifun: Reference tuner board with TUA 6034
▼ TUA 6034 Evaboard	on request	—	Taifun: Evaluation board for TUA 6034
▼ TUA 6034 T+TDA 6192 T HALF NIM	on request	—	Taifun: Half NIM board with TUA 6034 T + TDA 6192 T
▼ TUA 6034 T ATSC Evaboard	on request	—	Taifun: Evaluation board (ISDB-T) for TUA 6045
▼ TUA 6034 T DVB Reference NIM Cad Data DVB-T with PNP PN2020	on request	—	Taifun: Reference NIM board (DVB-T) with TUA 6045
▼ TUA 6034 T ISDB-T Evaboard	on request	—	Taifun: Evaluation board (ISDB-T) for TUA 6034
▼ TUA 6034 T ISDB -T Reference Tuner	on request	—	Taifun: Reference tuner board (ISBD-T) with TUA 6034
▼ TUA 6034 V Evaboard	on request	—	Taifun: Evaluation board for TUA 6034 V
▼ TUA 6036 T Evaboard	on request	—	Tuner: Evaluation board for TUA 6036 T
▼ TUA6041 Evaboard	on request	—	Lighting: Evaluation board for TUA 6041
▼ TUA6041 Ref Tuner UHF	on request	—	Lighting: Reference tuner board (UHF) for TUA 6041
▼ TUA6045 Evaboard DVB-T	on request	—	Taifun 3: Evaluation board (DVB-T) for TUA 6045
▼ TUA6045 Evaboard ISDB-T	on request	—	Taifun 3: Evaluation board (ISDB-T) for TUA 6045
▼ TUA6045 Evaboard ATSC	on request	—	Taifun 3: Evaluation board (ATSC) for TUA 6045
▼ TUA6045 Evaboard T-DMB	on request	—	Taifun 3: Evaluation board (T-DMB) for TUA 6045
▼ TUA6045 Ref Tuner T-DMB/DAB (BAND III)	on request	—	Taifun 3: Reference tuner board (T-DMB/DAB Band III) with TUA 6045

SMD = Surface Mounted Device

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<b>A</b>			EASY 20542 V1.1	SP000007916	9
ADM 5120 PX AB T2	SP000081012	18	EASY 21553	SP000007917	16
ADM 5120 X AB T2-G	SP000078983	18	EASY 22504	on request	8
ADM 6992 CX AB T1	SP000076431	18	EASY 22508	SP000202361	8
ADM 6992 FX AB T1	SP000077768	18	EASY 22552	SP000202849	8
ADM 6992 KX AB T1	SP000076432	18	EASY 22554 V3.1	SP000007919	8
ADM 6992 SX AB T1	SP000223283	18	EASY 22558	SP000053860	8
ADM 6992 X AD T1	SP000076445	18	EASY 2256 E V2.2	SP000106013	8
ADM 6993 FX AD T1	SP000016437	18	EASY 24624 MII	SP000008100	6
ADM 6993 X AD T1	SP000076438	18	EASY 24624 TDM	SP000007925	6
ADM 6995 LCX AD T1	SP000219864	18	EASY 24628 MII	SP000089850	6
ADM 6996 FCX AD R1	SP000229744	18	EASY 24628 UTOPIA	SP000244336	6
ADM 6996 FCX AD T1	SP000219863	18	EASY 2466	SP000055577	12
ADM 6996 HX AD T1	SP000220561	19	EASY 256 E 1T1 V1.1	SP000007945	9
ADM 6996 IX AD T1	SP000219861	18	EASY 256 V1.1	SP000007944	9
ADM 6996 LCX AD R1	SP000228446	19	EASY 3265	SP000008002	12
ADM 6996 LCX AD T1	SP000219862	19	EASY 3268	SP000204383	12
ADM 6996 MX AD T1	SP000210310	19	EASY 334	SP000007929	10
ADM 6999 GX A2 T1	SP000076440	19	EASY 3445 V1.2	SP000007930	8
ADM 6999 UX A2 T1	SP000076439	19	EASY 3452 V1.2	SP000007947	8
ADM 6999 X A2 T1	SP000076443	19	EASY 3460	SP000007932	8
ADM 7001 X AC R1	SP000083260	19	EASY 4220	on request	9
ADM 7001 X AC T1	SP000076255	19	EASY 4222	on request	9
ADM 8262 X AC T1	SP000208914	20	EASY 4225	on request	9
ADM 8266 A21	SP000098969	20	EASY 5120-RT	SP000017922	18
ADM 8266M A21	SP000098970	20	EASY 5120-WVOIP RT	SP000017943	18
ADM 8511 X CC T1	SP000076521	18	EASY 6992 C	SP000017946	18
ADM 8513 X AD T1	SP000077769	18	EASY 6992 F	SP000017947	18
ADM 8515X AC T1	SP000064377	18	EASY 6992 K	SP000017944	18
ADM 8668 FX A12-G	SP000208946	18	EASY 6993 F	SP000017919	18
ADM 8668 TX A12	SP000208947	18	EASY 6996 FC	SP000062347	19
AN 983 BLX BG TV1	SP000076446	18	EASY 6996 I	SP000062345	19
AN 983 BX BG TV1	SP000075554	18	EASY 6996 I CPU	SP000084733	19
AN 983 BX BG TV3	SP000103413	18	EASY 6996 LC	SP000062346	19
AN 983X AH T 21	SP000078897	18	EASY 6996 M	SP000062344	19
AN 983X AH T 22	SP000078898	18	EASY 6996 M CPU	SP000084732	19
AN 985 BX BG TV1	SP000076447	18	EASY 6999	SP000018106	19
<b>B</b>			EASY 6999 G	SP000018107	19
BlueMoon Single Cellular CF-Card	on request	20	EASY 6999 U	SP000018108	19
BlueMoon Single Cellular Kit	on request	20	EASY 7001 MII	SP000018109	19
BlueMoon Singlestone Cellular CF-Card	on request	20	EASY 7001 NIC	SP000018110	18
BlueMoon Singlestone Cellular Kit	on request	20	EASY 8262 CARDBUS	SP000018111	20
BlueMoon Uni Cellular CF-Card	on request	20	EASY 8262 MINI PCI	SP000018113	20
BlueMoon Uni Cellular Kit	on request	20	EASY 8266 COMBO	on request	20
BlueMoon Unistone Cellular CF-Card	on request	20	EASY 8266 USB	SP000054643	20
BlueMoon Unistone Cellular Kit	on request	20	EASY 83000 CPE	SP000215341	7
<b>E</b>			EASY 83000 HOSTLESS	SP000104531	7
EASY 20525 V1.1	SP000007914	9	EASY 8511	SP000067472	18
EASY 20532 V1.1	SP000007915	9	EASY 8515	SP000017920	18
			EASY 8668 F	SP000068129	18
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KTS 6027-2 Ref Tuner	on request	23	PEB 3081 H V1.4	SP000007584	13
KTS 6029-2	SP000013186	22	PEB 3086 F V1.4	SP000007571	13
<b>P</b>			PEB 3086 F V1.4	SP000007572	13
PBA 31307/1R2A	SP000009862	20	PEB 3086 H V1.4	SP000007567	13
PBA 31308	SP000209746	20	PEB 3086 H V1.4	SP000007569	13
PBL 38620/2 QNA	SP000017950	11	PEB 3164 F V1.1	SP000222941	11
PBL 38620/2 SHA	SP000007870	11	PEB 3164 F V1.1	SP000008146	11
PBL 38620/2 SOA	SP000017252	11	PEB 3165 F V1.1	SP000008162	11
PBL 38620/2 SOT	SP000007890	11	PEB 3264 F V1.4	SP000007820	11
PBL 38621/2 QNA	SP000017951	11	PEB 3264 F V1.4	SP000007819	11
PBL 38621/2 QNS	SP000007891	11	PEB 3265 F V1.5	SP000007818	11
PBL 38621/2 SHA	SP000007871	11	PEB 3265 F V1.5	SP000007817	11
PBL 38621/2 SOA	SP000016951	11	PEB 3268 F V1.1	SP000089806	12
PBL 38621/2 SOT	SP000007895	11	PEB 3324 E V1.4-G	SP000108018	10
PBL 38630/2 QNA	SP000017952	11	PEB 3324 HL V1.4	SP000008031	10
PBL 38630/2 QNT	SP000007897	11	PEB 3324 HL V1.4 PE	SP000017214	10
PBL 38630/2 SOA	SP000017739	11	PEB 3324 HL V1.4 PE	SP000017208	10
PBL 38630/2 SOS	SP000007898	11	PEB 3331 F V2.1	SP000083521	10
PBL 38630/2 SOT	SP000007899	11	PEB 3331 HT V2.1	SP000232901	10
PBL 38640/2 QNA	SP000017953	11	PEB 3331 HT V2.1	SP000083520	10
PBL 38640/2 QNT	SP000007901	11	PEB 3332 F V2.1	SP000065273	10
PBL 38640/2 SOA	SP000016952	11	PEB 3332 F V2.1	SP000065272	10
PBL 38640/2 SOT	SP000007903	11	PEB 3332 HT V2.1	SP000224283	10
PBL 38650/2 QNA	SP000017954	11	PEB 3340 HT V2.1	SP000201482	10
PBL 38650/2 QNS	SP000007904	11	PEB 3342 HT V2.1	SP000201618	10
PBL 38650/2 QNT	SP000007905	11	PEB 3445 E V2.1-G	SP000226333	8
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PEB 2026 T-P V1.1	SP000007171	15	PEB 4265 V V2.1	SP000101233	12
PEB 2026 T-S V1.1	SP000007175	15	PEB 4265-2 V T V2.1	SP000206901	12
PEB 2026 T-S V1.1	SP000007177	15	PEB 4265-2 V V2.1	SP000102911	12
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PEB 20542 F V1.3	SP000007633	9	PEB 4364 T V1.2	SP000007727	12
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PEB 20570 F V3.1	SP000007243	14	PEB 83000 E V1.3-G	SP000201760	7
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PEB 2466 H V2.2	SP000007516	11	PEF 2054 N V2.1	SP000007790	15
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PEF 22508 E V1.1-G	SP000029953	8	PEF 82912 F V1.4	SP000007559	16
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PEF 22557 E V1.1-G	SP000055478	8	PMB 5737 F V3.552 PCC	SP000008709	20
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PEF 22627 E V1.1-G	SP000218168	6	PMB 6723 F V1.4 FL	SP000008714	20
PEF 22628 E V1.1-G	SP000213077	6	PMB 6723 F V1.423	SP000217504	20
PEF 2426 H V1.1 D	SP000007497	15	PMB 6724 F V1.4 FL	SP000008716	21
PEF 2426 H V1.1 GD	SP000007499	15	PMB 6725 XF V1.5 FL	SP000008732	20
PEF 24624 E V2.1-G	SP000208961	6	PMB 6725 XF V1.565	SP000008725	20
PEF 24624 E V2.1-G	SP000223350	6	PMB 6725 XF V1.592	SP000008731	20
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PEF 24902 H V2.1	SP000007489	14	PMB 7722 F V1.4 FL	SP000008974	20
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PEF 3304 EL V2.1-G	SP000054559	11	PMB 8753 J V2.07	SP000226865	20
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PEF 3394 EL V2.2-G	SP000212320	10	PSB 21382 H V1.3	SP000007373	17
PEF 3394 EL V2.2-G	SP000053927	10	PSB 21383 H V1.3	SP000007532	17
PEF 3394 HL V2.2	SP000231959	10	PSB 21383 H V1.3	SP000007531	17
PEF 3394 HL V2.2	SP000018278	10	PSB 21383 H V1.3	SP000007530	17
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PEF 3452 H V1.3	SP000007643	8	PSB 21384 H V1.3	SP000007375	17
PEF 3460 E V1.2-G	SP000088005	8	PSB 21391 H V1.3	SP000007376	17
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PEF 4264-2 V V2.1	SP000231405	12	PSB 21393 H V1.3	SP000007534	17
PEF 4268 F V1.2	SP000211403	12	PSB 21473 F V1.3	SP000007701	17
PEF 4268 F V1.2	SP000063679	12	PSB 21473 F V1.3	SP000007700	17
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PEF 4365 T V2.1	SP000099015	12	PSB 21493 H V1.7	SP000007996	17
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PSB 50505 E V1.3-G	SP000068029	7	SMART 2000 MAINBOARD	SP000007972	13
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PTF 240101S V1.0	SP000082764	22	SMART 4265 P-VQFN-48	SP000007989	12
PTFA 043002E V1.0	SP000082722	22	SMART 4268	SP000008156	12
PTFA 191001E V1.0	SP000056796	22	SMART 4365 P-DSO-36	SP000007990	12
PTFA 210451E V1.0	SP000082505	22			
PTFA 210601E V1.0	SP000102489	22			
PTFA 211001E V1.0	SP000064069	22			
PTFA 211801E V1.0	SP000065496	22			
PTFA 211801F V1.0	SP000075700	22			
PTFA 212002E V1.0	SP000074111	22			
PTFA 240451E V1.0	SP000063673	22			
PTFA 241301E V1.0	SP000082766	22			
PTFA 260451E V1.0	SP000063672	22			
PTFA 261301E	SP000086852	22			
PXB 4219 E V3.4-G	SP000223294	9			
PXB 4220 E V3.4-G	SP000017873	9			
PXB 4221 E V3.4-G	SP000017875	9			
PXF 4222 E V1.3-G	SP000017876	9			
PXF 4225 E V1.3-G	SP000017877	9			
<b>S</b>					
SAF C161U-LF V1.3	SP000007502	16			
SAF C165H-LF V1.3	SP000007668	16			
SAF C165H-LF V1.3	SP000007667	16			
SAF C165H-LF V1.3	SP000007669	16			
SAF C165UTAH-LF V1.3	SP000007475	16			
SAF C165UTAH-LF V1.3	SP000007474	16			
SAF C165UTAH-LF V1.3	SP000007476	16			
SIP 80912	SP000007970	16			
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			TDA 6190 T Evaboard	on request	23
			TDA 6190 T GEG	SP000012810	22
			TDA 6190 T GEG DRYPACK	SP000012811	22
			TDA 6192 T	SP000013411	22
			TDA 6192 T DRYPACK	SP000013410	22
			TDA 6192 T Evaboard	on request	23
			TDA 6192 V	SP000017968	22
			TUA 1030 DRYPACK	SP000013616	22
			TUA 6020	SP000012798	22
			TUA 6020 Evaboard	on request	23
			TUA 6024-2	SP000012767	22
			TUA 6024-2 Evaboard	on request	23
			TUA 6030	SP000012954	22
			TUA 6030 Evaboard	on request	23
			TUA 6034 + TDA 6190 T Low IF Half NIM	on request	23
			TUA 6034 ATSC Reference NIM	on request	23
			LGE Demod		
			TUA 6034 ATSC Reference Tuner	on request	23
			TUA 6034 DVB-T Reference NIM	on request	23
			Micronas Demod		
			TUA 6034 DVB-T Reference Tuner	on request	23
			TUA 6034 Evaboard	on request	23

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TUA 6034 T	SP000013610	22			
TUA 6034 T ATSC Evaboard	on request	23			
TUA 6034 T DVB Reference NIM	on request	23			
Cad Data DVB-T with PNP PN2020					
TUA 6034 T ISDB -T Reference Tuner	on request	23			
TUA 6034 T ISDB-T Evaboard	on request	23			
TUA 6034 T+TDA 6192 T HALF NIM	on request	23			
TUA 6034 V	SP000017969	22			
TUA 6034 V Evaboard	on request	23			
TUA 60342 V Mini Half NIM	on request	23			
TUA 6036 T	SP000014627	22			
TUA 6036 T Evaboard	on request	23			
TUA 6041	SP000018085	22			
TUA 6045	SP000018086	22			
TUA6041 Evaboard	on request	23			
TUA6041 Ref Tuner UHF	on request	23			
TUA6045 Evaboard ATSC	on request	23			
TUA6045 Evaboard DVB-T	on request	23			
TUA6045 Evaboard ISDB-T	on request	23			
TUA6045 Evaboard T-DMB	on request	23			
TUA6045 Ref Tuner T-DMB/DAB (BAND III)	on request	23			

