



# Intel<sup>®</sup> PXA27x Processor Reference Platform

## Parts List

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*Revision 1.4*



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# Intel<sup>®</sup> PXA27x Processor Reference Platform

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The Intel<sup>®</sup> PXA27x Processor Reference Platform constitutes a cellular phone design based on the Intel<sup>®</sup> PXA27x processor family. This platform provides all of the system components necessary for full-featured, handheld operating systems.

The 1.4 revision of the Intel<sup>®</sup> PXA27x Processor Reference Platform supports serial numbers:

- IZZOAR4320000 and higher

The serial number is located on the Printed Circuit Board Assembly (PBA) sticker on the board and can be viewed when the Back Cover and the battery of the cell phone is removed.

This table contains the platform parts for the Intel<sup>®</sup> PXA27x Processor Reference Platform.

**Table 1. Platform Parts List (Sheet 1 of 9)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
69	Capacitor 0.1 $\mu$ F +80%/-20% 16 V	C1,C2,C3,C4,C5,C6, C7,C8,C9,C10,C11, C12,C13,C14,C15, C16,C17,C18,C19, C20,C21,C22,C23, C24,C25,C26,C27, C28,C33,C35,C36, C37,C39,C40,C43, C44,C47,C48,C54, C55,C56,C62,C63, C64,C65,C73,C74, C75,C77,C78,C79, C102,C108,C109, C119,C120,C125, C126,C127,C128, C140,C151,C152, C157,C170,C175, C176,C189,C192	Panasonic, AVX CAP_NP_SMDCAP- 0.1UF,+80%/-20%
14	Capacitor 2.2 $\mu$ F +/-10% X5R 6.3 V	C76,C90,C92,C93, C95,C96,C97,C98, C99,C100,C103, C104,C129,C130	Panasonic CAP_NP_SMDCAP-2.2UF,+/- 10%
27	Capacitor 1.0 $\mu$ F +80%/-20% Y5V 6.3 V	C53,C68,C71,C72, C80,C81,C82,C83, C84,C85,C87,C88, C89,C91,C101,C106, C107,C117,C118, C160,C161,C163, C166,C167,C171, C191,C193	Kemet Electronics CAP_NP_SMDCAP- 1.0UF,+80%/-20%
1	Capacitor 6.8 $\mu$ F 6.3 V Ceramic X5R 0805, +/-10%	C105	Kemet Electronics CAP_NP_SMDCAP-6.8UF,10%

**Table 1. Platform Parts List (Sheet 2 of 9)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
2	Capacitor 330nF +80%/-20% Y5V 16V	C110,C112	Kemet Electronics CAP_NP_SMDCAP-330NF,+80%/-20%
3	Capacitor Ceramic NP	C111,C113,C169	Murata CAP_NP_SMDCAP-47UF,20%
3	Tantalum Capacitor 10 $\mu$ F 10% 10 V	C57,C114,C187	AVX CAP_SMDCAP-10UF,10%
8	Capacitor 1.0nF +80%/-20% Y5V 16 V	C41,C42,C45,C46,C49,C50,C115,C154	Panasonic, AVX CAP_NP_SMDCAP-1.0NF,+80%/-20%
1	Tantalum Capacitor 100 $\mu$ F 20% 10 V	C116	Panasonic, AVX CAP_SMDCAP-100UF,20%
4	Capacitor 10nF +80%/-20% Y5V 16 V	C121,C122,C123,C124	Panasonic, AVX CAP_NP_SMDCAP-10NF,+80%/-20%
2	Capacitor 39pF 5% Ceramic NPO	C131,C173	Kemet Electronics CAP_NP_SMDCAP-39PF,5%
13	Capacitor 100 pF 50 V Ceramic NPO 0402 5%	C31,C132,C134,C135,C136,C137,C138,C155,C159,C164,C177,C178,C186	Murata CAP_NP_SMDCAP-100PF,5%
1	Capacitor Ceramic NPO 6.8 pF 50 V 5% 0402	C133	Samsung CAP_NP_SMDCAP-6.8PF,5%
1	Capacitor 33 pF +80%/-20% Y5V 16 V	C139	Kemet Electronics CAP_NP_SMDCAP-33PF,+80%/-20%
5	Capacitor 27pF 50 V Ceramic NPO 0402 5%	C141,C143,C180,C183,C184	Murata CAP_NP_SMDCAP-27PF,5%
5	Capacitor 33 pF 50 V Ceramic NPO 0402 5%	C142,C147,C148,C182,C185	Murata CAP_NP_SMDCAP-33PF,5%
4	Capacitor, 22 pF, 50 V, 5%, 0402	C32,C94,C145,C146	Panasonic, AVX CAP_NP_SMDCAP-22PF,5%
1	Capacitor 56 pF +80%/-20% Y5V 16 V	C150	Venkel CAP_NP_SMDCAP-56PF,+80%/-20%
2	Tantalum Capacitor 33 $\mu$ F 20% 6.3 V	C153,C179	AVX CAP_SMDCAP-33UF,20%
1	Capacitor 1.2 nF 50 V Ceramic X7R 0402 10%	C156	Panasonic, AVX CAP_NP_SMDCAP-1.2NF,10%
3	Capacitor 10 pF 5% Ceramic NPO	C51,C52,C158	Panasonic, AVX CAP_NP_SMDCAP-10PF,5%
2	Capacitor 47pF 50 V Ceramic NPO 0402 5%	C162,C181	Murata CAP_NP_SMDCAP-47PF,5%



**Table 1. Platform Parts List (Sheet 3 of 9)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
2	Capacitor 47nF 50 V Ceramic X7R 0402 10%	C172,C174	Murata CAP_NP_SMDCAP-47NF,10%
3	Capacitor 4.7µF +80%/-20% Y5V 6.3 V	C66,C67,C188	Panasonic CAP_NP_SMDCAP-4.7UF,+80%/-20%
1	Capacitor Ceramic NPO 5.6 pF 50 V 5% 0402	C190	Samsung CAP_NP_SMDCAP-5.6PF,5%
1	Capacitor, X7R, 0.01µF, 100 V	C29	Kemet Electronics CAP_NP_SMDCAP-0.01UF,10%
2	Capacitor 0.47µF +80%/-20% Y5V 10 V	C30,C34	Murata CAP_NP_SMDCAP-0.47UF,+80%/-20%
1	Capacitor Ceramic NP 4.7µF 25 V X5R 0805	C38	Panasonic CAP_NP_SMDCAP-4.7UF,20%
2	Tantalum Capacitor 220 µF 20% 6.3 V	C69,C70	Panasonic, AVX CAP_SMDCAP-220UF,20%
6	Schottky Diode 1.0A	D1,D2,D5,D6,D7,D8	Toshiba CUS02_3-2B1A-3-2B1A
1	Schottky Barrier Rectifier, SMD	D3	ON Semiconductor MBRM120LT3_POWERMITE-MBRM120LT3
1	Diode, Fast Switching, Surface Mounted	D4	Diodes Incorporated BAV19WS_7_SOD-BASE
1	Connector, Secure Digital	J1	Omron SDIO_CONNECTOR_SDIO_CONNECTOR-XB2A-1112-3KT
1	Connector, USB, AB-Type, Surface Mounted, Mini	J11	Kycon KMAB_SMT_5S_S_30TR_CONN_SMT-BASE
2	Speaker Connector Spring	J12,J13	Sonionkirk 1303_0355_DS_1303_0355-1303_0355
2	Connector 21 p FPC Surface Mounted Bottom Contact	J8,J14	JAE IL_FHJ_21S_HF_IL_FHJ_21S-IL_FHJ_21S
1	Connector, 27 p LowPro, STR, Surface Mounted	J2	JST 27FHX_RSM1_G_S_TB_CONN_SMT-BASE
1	24 pin 0.5 mm FPC Connector	J3	Molex 52437_2491_524372491-524372491
1	Power Connector	J4	CUI Stack PJ_023_PJ_023-PJ_023_THMT

**Table 1. Platform Parts List (Sheet 4 of 9)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
1	Connector, Modular, 4 P, Surface Mounted	J5	Bourn 70AAM_CONN_SMT-BASE
1	Jack, Audio, 3.5 mm,	J6	CUI Inc CNCT_456_SJ_43515TS_CON N_TH-CNCT_456_SJ-43515TS
1	SIM Holder	J7	JAE SF7W006S1A-SF7W006S1A
1	220uH +/-10%	L1	Murata INDUCTOR- LQH4C221K04,220UH
2	Ceramic Chip Inductor	L9,L10	TOKO INDUCTOR-LL1005- FH1N2S,1.2NH
2	Ceramic Chip Inductor	L11,L13	TOKO INDUCTOR-LL1005- FH3N3S,3.3NH
1	Ceramic Chip Inductor	L14	TOKO INDUCTOR-LL1005- FH4N7S,4.7NH
1	Ceramic Chip Inductor	L16	TOKO INDUCTOR-LL1005- FH10NJ,10NH
2	Ceramic Chip Inductor	L17,L18	TOKO INDUCTOR-LL1005- FH2N2S,2.2NH
6	Ceramic Chip Inductor	L7,L19,L20,L21,L22, L23	TOKO INDUCTOR-LL1005- FH22NJ,22NH
4	Inductor	L2,L3,L4,L5	Sumida INDUCTOR-CDRH3D16- 100NC,10.0UH
1	Ceramic Chip Inductor	L6	TOKO INDUCTOR-LL1005- FH8N2J,8.2NH
1	Ceramic Chip Inductor	L8	TOKO INDUCTOR-LL1005- FH27NJ,27NH
12	Resistor 10 K $\Omega$ 1% 1/16W	R1,R3,R11,R14,R21, R42,R43,R57,R60, R87,R110,R117	Panasonic RES_SMDRES-10K,1%
2	Resistor 4.7 K $\Omega$ 5%	R10,R54	Yageo RES_SMDRES-4.7K,5%
18	0 $\Omega$ jumper 1% 1/16W	R7,R22,R23,R36, R41,R59,R62,R80, R82,R85,R89,R91, R95,R100,R109, R113,R118,R119	Panasonic RES_SMDRES-0,1%



**Table 1. Platform Parts List (Sheet 5 of 9)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
4	Resistor 309 $\Omega$ 1% 1/16W	R4,R8,R79,R101	Yageo RES_SMDRES-309,1%
4	Resistor 3.9 $\Omega$	R76,R77,R86,R103	Samsung RES_SMDRES-3.9R,5%
3	Resistor .15 $\Omega$	R45,R105,R106	Panasonic RES_SMDRES-.15,1%
5	Resistor 47 K $\Omega$ 5% 1/16W	R48,R49,R51,R52, R108	Yageo RES_SMDRES-47K,5%
10	Resistor 10 $\Omega$ 1% 1/16W	R13,R27,R37,R38, R74,R84,R88,R114, R115,R116	Panasonic RES_SMDRES-10,1%
9	Resistor 100 K $\Omega$ 1% 1/16W	R12,R25,R30,R31, R35,R39,R40,R44, R93	Panasonic RES_SMDRES-100K,1%
1	25.5 K $\Omega$ Resistor	R15	Yageo RES_SMDRES-25.5K,1%
2	21 K $\Omega$ Resistor	R16,R33	Yageo RES_SMDRES-21K,1%
1	15.8 K $\Omega$ Resistor	R17	Yageo RES_SMDRES-15.8K,1%
1	11.8 $\Omega$ 1% Resistor	R18	Panasonic RES_SMDRES-11.8,1%
2	1 $\Omega$ Resistor	R19,R20	Yageo RES_SMDRES-1,1%
3	1.0 M $\Omega$ 1% 1/16W Resistor	R24,R55,R56	Yageo RES_SMDRES-1.0M,1%
1	500 $\Omega$ 1% 1/16W Resistor	R26	Yageo RES_SMDRES-500,1%
2	2.2 K $\Omega$ 1% 1/16W Resistor	R28,R29	Yageo RES_SMDRES-2.2K,1%
2	22.1 $\Omega$ 1% 1/16W Resistor	R32,R53	Panasonic RES_SMDRES-22,1%
1	232 K $\Omega$ Resistor	R34	Yageo RES_SMDRES-232K,1%
1	.56 $\Omega$ Resistor	R46	Panasonic RES_SMDRES-.56,1%
1	68.1 K $\Omega$ Resistor	R47	Yageo RES_SMDRES-68.1K,1%
2	15 K $\Omega$ 1% Resistor	R5,R81	Yageo RES_SMDRES-15K,1%
1	22.1 K $\Omega$ Resistor	R50	Yageo RES_SMDRES-22.1K,1%

**Table 1. Platform Parts List (Sheet 6 of 9)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
1	1.0 K $\Omega$ 1% 1/16W Resistor	R58	Yageo RES_SMDRES-1.0K,1%
1	39 K $\Omega$ 1% Resistor	R6	Yageo RES_SMDRES-39K,1%
1	1.2 K $\Omega$ Resistor	R83	Samsung RES_SMDRES-1.2K,5%
1	100 $\Omega$ 1% 1/16W Resistor	R9	Yageo RES_SMDRES-100,1%
1	6.2 R $\Omega$ Resistor	R90	Yageo RES_SMDRES-6.2R,5%
1	10 K $\Omega$ 4-Resistor Pack	RN1	Vishay RES_PACK-CRA04S,5%,10K
4	47K $\Omega$ 4-Resistor Pack	RN2,RN3,RN4,RN5	Vishay RES_PACK-CRA04S,5%,47K
2	Side Push Type Surface Mount Light Touch Switch	SW3,SW4	Panasonic EVQ_PUC02K_4P7MMX3P5M M-EVQ_PUC02K
1	IrDA Transceiver, 115.2 Infrared, Surface Mounted	U1	Agilent HSDL_3002_007_IRDA_SMT-BASE
1	160 Vpp EL Driver	U10	Micrel MIC4826BMM_MSOP-8-MSOP-8
1	Power Manager Integrated Circuit	U11	Dialogic Semiconductors DA9030 ARAVA_TFBGA-BASE
1	Dual P-Channel 1.8V Mosfet	U12	Vishey Siliconix SI7911DN_1206-8CHIPFET-SI7911DN
3	Transistor, N-Channel MOS	U13,U24,U25	Philips Semiconductor BSH103_SOT-BASE
1	2-Input AND Gate	U14	Fairchild Semiconductor NC7SZ08L6_MPAK-6-MICROPAK
1	Quad Band Power AMP	U15	Micro Devices RF3144_LCC12-BASE
1	GPRS/EDGE_RECEIVER	U16	Micro Devices RF2722_QFN32-BASE
1	PXA271	U17	Intel BULVERDE_FS_CSP-BASE
4	Translator, single bit, Uni-directional	U9,U18,U19,U49	Fairchild Semiconductor FXLP34_MICROPAK-BASE



**Table 1. Platform Parts List (Sheet 7 of 9)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
1	Step-Up DC/DC Converter	U2	Linear Tech LT1930_SOT23_5-SOT23_5
2	Triple Buffer	U20,U50	Fairchild Semiconductor NC7NP34_K8K,SMT-NC7NP34
1	Communication Processor Power	U21	Intel GARSON_COMM_GARSON-BASE
1	Low-Voltage Level Translators	U22	Maxim MAX3373EEBL_T_3X3 UCSP-MAX3373EEBL-T
1	RF Synthesizer	U23	Micro Devices RF6003_QFN48P-BASE
1	Antenna Switch Module	U26	EPCOS A010F-A010F
1	Medium Access Controller (MAC)	U27	Philips Semiconductor SA2443_TFBGA96-SA2443
2	2.45 GHz Band Pass Filter	U28,U31	Murata LFB212G45SG8A166_UNKNO WXXX-LFB212G45SG8A166
1	Single Inverter	U29	Fairchild Semiconductor NC7SP04_MAC06A-NC7SP04
1	Radio	U3	Philips Semiconductor BGW100_FIXED_HVQFN68-BASE
1	SAW_FILTER 1842M	U30	EPCOS RF_SAW_FILTER_QCS5C-B7820
4	TVS ESD Protection	U32,U34,U35,U38	AVX MG064L18X500_4ELEMENT_0 603-MG0641L18X500
1	SAW_FILTER 1842M	U33	EPCOS RF_SAW_FILTER_QCS5C-B9001
1	Diode Array	U36	Semtech SR05_4MMX4MM-SR05
1	SAW_FILTER 1842M	U37	EPCOS RF_SAW_FILTER_QCS5C-B7825
1	SAW_FILTER 1842M	U39	EPCOS RF_SAW_FILTER_QCS5C-B7821
1	Module, Radio, Bluetooth*	U4	Philips Semiconductor BGB201_LGA-BASE

**Table 1. Platform Parts List (Sheet 8 of 9)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
1	Low Noise Regulator Switched Capacitor Voltage Inverter	U40	National LM2787_TPA08CCA-LM2787TP
1	Yellow LED with Ambient Light Sensor	U41	OPTO SEMI SFH7225_SMT MULTI TOPLED-SFH7225
1	Dual N-FET 20 V Mosfet	U43	Vishay Siliconix SI5904DC_1206-8CHIPFET-SI5904DC
1	Oscillator, Temp Comp Crystal, 26.000MHz 3.0 V	U44	NDK CSX_SMT-NT4025BA_26MHZ
1	2.9 V 500mA LDO	U45	Micrel MIC5219_29BM5_SOT-23-5-SOT-23-5
1	Antenna Switch Connector	U46	Hirose MS_147_06_ANT_CONNECTOR_CONN-MS-147_06,CON30043
1	Codec, AC97 Audio +Touch w/ PCM	U5	Wolfson WM9713_QFN-BASE
1	Electret Condenser Microphone	U6	Best Sound Electronic BGO_15P27_C1033_OBG-15P-BGO_15PA27_C1033
2	Low Power Hall Effect Switch, Surface Mounted	U7,U8	Infineon Technologies TLE4913_SC59-BASE
1	Thin Ceramic Type Crystal	Y1	Epson Q13FC135XXXXX00_0P9MM_SMD-Fc-135 32.768KA-A3
1	44 MHz Crystal, Ceramic Package	Y4	TEW TAS_3225A_TAS_5-TAS_3225A
2	Capacitor 470pF 50 V Ceramic X7R 0402 10% <sup>a</sup>	C144,C168	Murata CAP_NP_SMDCAP-470PF,10%
2	Capacitor 100pF 50 V Ceramic NPO 0402 5% <sup>a</sup>	C149,C165	Murata CAP_NP_SMDCAP-100PF,5%
4	Capacitor 0.1 $\mu$ F +80%/-20% 16 V <sup>a</sup>	C58,C59,C60,C61	Panasonic, AVX CAP_NP_SMDCAP-0.1UF,+80%/-20%
1	Capacitor Ceramic NPO 5.6 pF 50 V 5% 0402 <sup>a</sup>	C86	Samsung CAP_NP_SMDCAP-5.6PF,5%
2	10p Gold Pads <sup>a</sup>	J9,J10	PCB SEL10001LTLSTR_PADS_PADS_SMT-BA
1	GSM Antenna Pad <sup>a</sup>	J15	Auden GSM_ANT_PAD_PAD-BASE



**Table 1. Platform Parts List (Sheet 9 of 9)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
2	Ceramic Chip Inductor <sup>a</sup>	L12,L15	TOKO INDUCTOR-LL1005-FH18NJ,18NH
2	Resistor 220 1% 1/16W <sup>a</sup>	R102,R104	Yageo RES_SMDRES-220,1%
22	0 Ω jumper 1% 1/16 W <sup>a</sup>	R2,R61,R63,R65, R66,R67,R68,R69, R70,R71,R72,R73, R75,R78,R94,R96, R97,R98,R99,R107, R111,R112	Panasonic RES_SMDRES-0,1%
1	Resistor 100 K 1% 1/16 W <sup>a</sup>	R64	Panasonic RES_SMDRES-100K,1%
1	Resistor 47K 5% 1/16 W <sup>a</sup>	R92	Yageo RES_SMDRES-47K,5%
26	Test Pad <sup>a</sup>	TP1,TP2,TP3,TP4, TP5,TP6,TP7,TP8, TP9,TP10,TP11, TP12,TP13,TP14, TP15,TP16,TP17, TP18,TP19,TP20, TP21,TP22,TP23, TP24,TP25,TP26	PCB TESTPAD_TPAD-TESTPAD

a. This part is not installed. On the schematics, it is marked DNI for Do Not Populate.

This table contains the parts for the Intel<sup>®</sup> PXA27x Processor Reference Platform Keypad Flex.

**Table 2. Intel<sup>®</sup> PXA27x Processor Reference Platform Keypad Flex Parts List (Sheet 1 of 2)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
1	Digimouse	SW1	Sonionkirk 41200_1055341_41200-1055341-41200-1055341
1	LED, White	U1	Citizen Electronics Co CL_590S_3_WD_D_SMT-CL-590S-3WD-D
1	Keypad Flex Tail <sup>a</sup>	J1	PCB KEYPAD_FLEX_TAIL_KP_TAIL-KP_TAB

**Table 2. Intel® PXA27x Processor Reference Platform Keypad Flex Parts List (Sheet 2 of 2)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
2	PCB Pab for EL Backlight <sup>a</sup>	J2,J3	PCB EL_PAD_EL_PAD-EL_PAD-EL_PAD
37	2 Contact Printed Circuit Board Switch <sup>a</sup>	SW2,SW3,SW4,SW5, SW6,SW7,SW8,SW9, SW10,SW11,SW12, SW13,SW14,SW15, SW16,SW17,SW18, SW25,SW26,SW27, SW28,SW29,SW30, SW31,SW38,SW39, SW40,SW41,SW42, SW43,SW44,SW51, SW52,SW53,SW54, SW55,SW56	PCB 2_SWITCH_2_SWITCH-2_SWITCH-2_SA
18	4 contact Printed Circuit Board Switch <sup>a</sup>	SW19,SW20,SW21, SW22,SW23,SW24, SW32,SW33,SW34, SW35,SW36,SW37, SW45,SW46,SW47, SW48,SW49,SW50	PCB 4_SWITCH_4_SWITCH-4_SWITCH_PCB

a. This part is not installed. On the schematics, it is marked DNI for Do Not Populate.

This table contains the parts for the Intel® PXA27x Processor Reference Platform Top Flex.

**Table 3. Intel® PXA27x Processor Reference Platform Top Flex Parts List**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name
4	White LED SMD SideLED	D1,D2,D3,D4	Osram LW_Y87C_T1U1_3C5D_LW_Y87C- LW_Y87C_S2T2_35
2	Backlight Connector .5mm FPC	J3,J4	JST 04FLH_RSM1_TB_04FLH-04FLH
1	Connector, 1.3mm, FPC, 31P, LowPro Surface Mounted	J5	JST 31FXL_RSM1_S_H_TB_CONN_SMT-BASE
2	0 Ω jumper 1% 1/16W	R1,R2	Panasonic RES_SMDRES-0,1%
1	Speaker, Comp mount, 15mmx6mm	U1	Matsushita Electronics Components Co Ltd 01H_1018L_SPK_SMD-BASE
1	LCD, STN Dot Matrix	U2	Data Modul Inc BT96040V_I2C_COG_MODULE-BASE
2	Capacitor 0.1 μF +80%/-20% 16 V <sup>a</sup>	C1,C2	Panasonic, AVX CAP_NP_SMDCAP-0.1UF,+80%/-20%
2	Top Flex Tail <sup>a</sup>	J1,J2	PCB TOP_FLEX_TAIL_TOP_FLEX-TOP_FLEA

a. This part is not installed. On the schematics, it is marked DNI for Do Not Populate.



This table contains the system components for the Intel® PXA27x Processor Reference Platform

**Table 4. System Components List**

Quantity	Description	Vendor Part Number
1	Intel® PXA27x Processor Reference Platform Design Mainboard	Intel
1	Intel® PXA27x Processor Reference Platform Keypad Flex	Intel
1	Intel® PXA27x Processor Reference Platform Fastap Membrane Keymat	Intel
1	Intel® PXA27x Processor Reference Platform Top Flex	Intel
1	Intel® PXA27x Processor Reference Platform Mechanical Enclosures	Intel
1	Intel® PXA27x Processor Reference Platform Debug Board	Intel
1	Mechanical Screws for Enclosure	
1	1.3 Mpixel Camera Module	OV9640, Revision 3 or higher Omnivision
1	Multiactor	MA-341NT NEC Tokin
1	Quad Band GSM Antenna	GCCP1 Auden
1	CG Silicon LCD Module (320x240)	LS022Q8DD06 Sharp
1	Battery	SNN5704A Motorola
1	Touchscreen	INU-01FT1-01 Gunze

This table contains the parts for the Intel® PXA27x Processor Reference Platform Debug Board.

**Table 5. Intel® PXA27x Processor Reference Platform Debug Board Parts List (Sheet 1 of 3)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name/Vendor Part Number
3	Switch, Slide, TH	SW2-SW4	EAO/SECME 090320102_SW_TH-090320102 90320102
1	Switch, FSMSM, PushB	SW1	Augat 14375664_SW_SMT-14375664 14375664
1	Transceiver, 16-Bit, Dual Sup, TRI	U2	Philips Semiconductor 74ALVC164245DGG_TSSOP-BASE 74ALVC164245DGG
1	Connector, USB, Type B, Surface Mounted	J8	Tyco 787780_1_CONN_SMT-BASE 797780-1

**Table 5. Intel® PXA27x Processor Reference Platform Debug Board Parts List (Sheet 2 of 3)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name/Vendor Part Number
10	Capacitor 0.1 $\mu$ F +80%/-20% 16 V	C1-C7,C9- C11	Panasonic, AVX CAP_NP_SMDCAP-0.1UF,+80%/-20% ECJ-0EF1C104Z
2	Capacitor 56 pF +80%/-20% Y5V 16 V	C12,C13	Venkel CAP_NP_SMDCAP-56PF,+80%/-20% CAP_NP_SMDCAP-56PF,+80%/-20%
1	Tantalum Capacitor 220 $\mu$ F 20% 6.3 V	C8	Panasonic, AVX CAP_SMDCAP-220UF,20% TPSC227M006R0250
2	20-Pin 100 mil JTAG ICE Header	J2,J3	CVILUX CH87_20_2V100_CH87_20-CH87_20 CH87-20-2-V100
1	Connector DSUB9, Plug, RA	J4	Kycon K20HTE9PN_CONN_SMT-K20HT-E9P-N K20HT-E9P-N
1	RS232 Transceiver Auto Shutdown	U1	Maxim MAX3244ECAI_SSOP-MAX3244ECAI MAX3244ECAI
2	Voltage Regulator	U3,U4	Micrel MIC5219BM5_SOT-23-5-MIC5219BM5 MIC5219BM5
7	0 $\Omega$ Jumper 1% 1/16 W	R1-R6,R13	Panasonic RES_SMDRES-0,1% ERJ-2GE0R00X
2	Resistor 10 K 1% 1/16 W	R7,R8	Panasonic RES_SMDRES-10K,1% ERJ-2RKF1002X
2	Resistor 130 K 1% 1/16 W	R9,R11	Panasonic RES_SMDRES-130K,1% ERJ-2RKF1303X
1	Resistor 174 K 1% 1/16 W	R10	Panasonic RES_SMDRES-174K,1% ERJ-2RKF1743X
2	Resistor 22 1% 1/16W	R14,R15	Panasonic RES_SMDRES-22,1% ERJ-2RKF22R0X
1	Resistor 59 K 1% 1/16 W	R12	Panasonic RES_SMDRES-59K,1% ERJ-2RKF5902X



**Table 5. Intel® PXA27x Processor Reference Platform Debug Board Parts List (Sheet 3 of 3)**

Quantity	Description	Reference Descriptor	Vendor Name/Vendor Part Name/Vendor Part Number
1	Connector, Secure Digital	J1	Omron SDIO_CONNECTOR_SDIO_CONNECTOR-XB2A-1112-3KT XB2A-1112-3KT
2	Connector, 10P, Low Profile, Surface Mounted	J5,J6	Samtec SEL11001LTLSTR_CONN_SMT-SEL-110-01-LTL-S-TR SEL-110-01-LTL-S-TR
1	Connector, 2P, Terminal Strip	J7	Samtec TSM10201SSV_CONN_TH-TSM-102-01-S-SV TSM-102-01-S-SV

