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A3P1000-PQG208

X1-B — A3PX
VCCPLF 27, VCC1 16, VCC2 36, VCC3 71, VCC4 88, VCC5 142, VCC6 171, VCC7 187
VCCIB3_1 18, VCCIB3_2 40, VCCIB2_1 62, VCCIB2_2 72, VCCIB2_3 89, VCCIB1_1 123, VCCIB1_2 140, VCCIB0_1 170, VCCIB0_2 186, VCCIB0_3 200
VMV3 50, VMV2_1 53, VMV2_2 104, VMV1 154, VMV0_1 157, VMV0_2 208
VCOMPLF 25
GNDQ1 51, GNDQ2 100, GNDQ3 107, GNDQ4 155, GNDQ5 207
GND1 1, GND2 17, GND3 29, GND4 41, GND5 52, GND6 65, GND7 81, GND8 97, GND9 105, GND10 122, GND11 130, GND12 141, GND13 156, GND14 162, GND15 178, GND16 195

10V 47uF C10 — L4 BLM21P221SN — +1_5V
CF12 .1uF — +3_3V

10V C12 C10UF, 10V C11 C10UF
CF35 .1uF, CF34 .1uF, CF33 .1uF, CF32 .1uF, CF31 .1uF, CF30 .1uF, CF29 .1uF, CF28 .1uF, CF27 .1uF, CF26 .1uF, CF25 .1uF, CF24 .1uF, CF23 .1uF, CF22 .1uF, CF21 .1uF, CF20 .1uF — +3_3V

X1-A — A3PX

IO038 2	GAA2/IO225PDB3	GAA0/IO00RSB0	206 IO039
IO037 3	IO225NDB3	GAA1/IO01RSB0	205 IO040
IO036 4	GAB2/IO224PDB3	GAB0/IO02RSB0	204 IO041
IO035 5	IO224NDB3	GAB1/IO03RSB0	203 IO042
IO034 6	GAC2/IO223PDB3	GAC0/IO04RSB0	202 IO043
IO033 7	IO223NDB3	GAC1/IO05RSB0	201 IO044
IO032 8	IO222PDB3	IO09RSB0	199 IO045
IO031 9	IO222NDB3	IO10RSB0	198 IO046
IO030 10	IO220PDB3	IO11RSB0	197 IO047
IO029 11	IO220NDB3	IO12RSB0	196 IO048
IO028 12	IO218PDB3	IO13RSB0	194 IO049
IO027 13	IO218NDB3	IO14RSB0	193 IO050
IO026 14	IO216PDB3	IO15RSB0	192 IO051
IO025 15	IO216NDB3	IO16RSB0	191 IO052
IO024 19	IO212PDB3	IO18RSB0	190 IO053
IO023 20	IO212NDB3	IO20RSB0	189 IO054
IO022 21	GFC1/IO209PDB3	IO22RSB0	188 IO055
IO021 22	GFC0/IO209NDB3	IO25RSB0	185 IO056
IO020 23	GFB1/IO208PDB3	IO27RSB0	184 IO057
IO019 24	GFB0/IO208NDB3	IO29RSB0	183 IO058
IO018 26	GFA0/IO207NPB3	IO31RSB0	182 IO059
IO017 28	GFA1/IO207PPB3	IO33RSB0	181 IO060
IO016 30	GFA2/IO206PDB3	IO35RSB0	180 IO061
IO015 31	IO206NDB3	IO38RSB0	179 IO062
IO014 32	GFB2/IO205PDB3	IO40RSB0	177 IO063
IO013 33	IO205NDB3	IO42RSB0	176 IO064
IO012 34	GFC2/IO204PDB3	IO45RSB0	175 IO065
IO011 35	IO204NDB3	IO48RSB0	174 IO066
IO010 37	IO199PDB3	IO51RSB0	173 IO067
IO009 38	IO199NDB3	IO54RSB0	172 IO068
IO008 39	IO197PSB3	IO57RSB0	169 IO069
IO007 42	IO191PDB3	IO60RSB0	168 IO070
IO006 43	IO191NDB3	IO63RSB0	167 IO071
IO005 44	GEC1/IO190PDB3	IO67RSB0	166 IO072
IO004 45	GEC0/IO190NDB3	IO70RSB0	165 IO073
IO003 46	GEB1/IO189PDB3	GBC0/IO72RSB0	164 IO074
IO002 47	GEB0/IO189NDB3	GBC1/IO73RSB0	163 IO075
IO001 48	GEA1/IO188PDB3	GBB0/IO74RSB0	161 IO076
IO000 49	GEA0/IO188NDB3	GBB1/IO75RSB0	160 IO077
BCBUS7 54	GEA2/IO187RSB2	GBA0/IO76RSB0	159 IO078
BCBUS6 55	GEB2/IO186RSB2	GBA1/IO77RSB0	158 IO079
BCBUS5 56	GEC2/IO185RSB2	GBA2/IO78PDB1	153 IO080
BCBUS4 57	IO184RSB2	IO78NDB1	152 IO081
BCBUS3 58	IO183RSB2	GBB2/IO79PDB1	151 IO082
BCBUS2 59	IO182RSB2	IO79NDB1	150 IO083
BCBUS1 60	IO181RSB2	GBC2/IO80PDB1	149 IO084
BCBUS0 61	IO180RSB2	IO80NDB1	148 IO085
BDBUS7 63	IO178RSB2	IO82PDB1	147 IO086
BDBUS6 64	IO176RSB2	IO82NDB1	146 IO087
BDBUS5 66	IO174RSB2	IO84PDB1	145 IO088
BDBUS4 67	IO172RSB2	IO84NDB1	144 IO089
BDBUS3 68	IO170RSB2	IO86PSB1	143 IO090
BDBUS2 69	IO168RSB2	IO88PDB1	139 IO091
BDBUS1 70	IO166RSB2	IO88NDB1	138 IO092
BDBUS0 73	IO162RSB2	GCC1/IO91PDB1	137 IO093
ACBUS7 74	IO160RSB2	GCC0/IO91NDB1	136 IO094
ACBUS6 75	IO158RSB2	GCB1/IO92PDB1	135 IO095
ACBUS5 76	IO156RSB2	GCB0/IO92NDB1	134 IO096
ACBUS4 77	IO154RSB2	GCA0/IO93NDB1	133 IO097
ACBUS3 78	IO152RSB2	GCA1/IO93PDB1	132 IO098
ACBUS2 79	IO150RSB2	GCA2/IO94PSB1	131 IO099
ACBUS1 80	IO148RSB2	GCB2/IO95PSB1	129 IO100
ACBUS0 82	IO143RSB2	GCC2/IO96PDB1	128 IO101
ADBUS7 83	IO141RSB2	IO96NDB1	127 IO102
ADBUS6 84	IO139RSB2	IO99PDB1	125 IO103
ADBUS5 85	IO137RSB2	IO99NDB1	124 IO104
ADBUS4 86	IO135RSB2	IO104PSB1	121 IO105
ADBUS3 87	IO133RSB2	IO106PDB1	120 IO106
ADBUS2 90	IO128RSB2	IO106NDB1	119 IO107
ADBUS1 91	IO126RSB2	IO109PDB1	118 IO108
ADBUS0 92	IO124RSB2	IO109NDB1	117 IO109
PWREN 93	IO122RSB2	GDC1/IO111PDB1	116 IO110
SUSPEND 94	IO120RSB2	GDC0/IO111NDB1	115 IO111
IO116 95	IO118RSB2	GDB1/IO112PDB1	114 IO112
IO117 96	GDC2/IO116RSB2	GDB0/IO112NDB1	113 IO113
MCLK 98	GDB2/IO115RSB2	GDA1/IO113PDB1	112 IO114
RES 99	GDA2/IO114RSB2	GDA0/IO113NDB1	111 IO115

IO[000:117]

+5V — C4 C10UF 10V, CF1 .1uF — X4 BA033FP (VIN 1, GND 2, OUT 3) — 10V C10UF C5 — +3_3V
.1uF CF2

150 R3 — A — RED LED LD1 — POWER ON

R1 4.7K
RES — X2 RESET (6) — IN1 3, IN2 4, ENA 5
+1_5V — OUT1 8, OUT2 9, FB 7 — GND1 1, GND2 10, GND3 11, GND4 17, GND5 20
47uF 10V C6 — TPS75215

L1 LINEFLT — C3 22uF 10V

Y1 — USB-B
DM, DP — VBUS 1, D- 2, D+ 3, ID 4, GND 5, CHS1 6, CHS2 7, CHS3 8, CHS4 9

+3_3V — R6 SIL4Y 10K — X5 M93C46-WMN6
EECS — CS 1, CLK 2, DIN 3, DOUT 4, VCC 8, GND 5
EECLK
EEDATA — R5 2.2K

C1 27pF, C2 27pF
USB_XIN, USB_XOUT — 12MHz Q1

+1_8V
+3_3V — L2 BLM21P221SN — CF3 .1uF, C7 47uF 10V — L3 BLM21P221SN — CF4 .1uF, C8 47uF 10V

X3 — FT232H
ADBUS0–7 ↔ ACBUS0–7 ↔ BDBUS0–7 ↔ BCBUS0–7
PWREN, SUSPEND
VCCIO3 56, VCCIO2 42, VCCIO1 31, VCCIO0 20
VCORE2 64, VCORE1 37, VCORE0 12
VPLL 9, VPHY 4
GND7 51, GND6 47, GND5 35, GND4 25, GND3 15, GND2 11, GND1 5, AGND 1, 10
VREGIN 50, VREGOUT 49 — +1_8V
DM 7, DP 8 — DM, DP
REF 6 — 12K R4
RESET 14 — R2 1K
EECS 63, EECLK 62, EEDATA 61 — EECS, EECLK, EEDATA
OSCI 2 — USB_XIN
OSCO 3 — USB_XOUT
TEST 13 — 1K R8
MCLK — X6 OSCIL (OUT 3, VCC 4, ENA 1, GND 2) — R7 1K

+3_3V — C10UF C9 10V

Y5 — HEADER2X32
IO058 1, IO056 3, IO054 5, IO052 7, IO050 9, IO048 11, IO046 13, IO044 15, IO042 17, IO040 19, IO038 21, IO036 23, IO034 25, IO032 27, IO030 29, IO028 31, IO026 33, IO024 35, IO022 37, IO020 39, IO018 41, IO016 43, IO014 45, IO012 47, IO010 49, IO008 51, IO006 53, IO004 55, IO002 57, IO000 59, 61, 63
IO059 2, IO057 4, IO055 6, IO053 8, IO051 10, IO049 12, IO047 14, IO045 16, IO043 18, IO041 20, IO039 22, IO037 24, IO035 26, IO033 28, IO031 30, IO029 32, IO027 34, IO025 36, IO023 38, IO021 40, IO019 42, IO017 44, IO015 46, IO013 48, IO011 50, IO009 52, IO007 54, IO005 56, IO003 58, IO001 60, 62, 64

Y4 — HEADER2X32
IO061 1, IO063 3, IO065 5, IO067 7, IO069 9, IO071 11, IO073 13, IO075 15, IO077 17, IO079 19, IO081 21, IO083 23, IO085 25, IO087 27, IO089 29, IO091 31, IO093 33, IO095 35, IO097 37, IO099 39, IO101 41, IO103 43, IO105 45, IO107 47, IO109 49, IO111 51, IO113 53, IO115 55, IO117 57, MCLK 59, 61, 63
IO060 2, IO062 4, IO064 6, IO066 8, IO068 10, IO070 12, IO072 14, IO074 16, IO076 18, IO078 20, IO080 22, IO082 24, IO084 26, IO086 28, IO088 30, IO090 32, IO092 34, IO094 36, IO096 38, IO098 40, IO100 42, IO102 44, IO104 46, IO106 48, IO108 50, IO110 52, IO112 54, IO114 56, IO116 58, RES 60, 62, 64

X1-C — A3PX
TCK 101, TDI 102, TMS 103, VPUMP 106, TDO 108, TRST 109, VJTAG 110
1K R9, 1K R10, 1K R11, 1K R12
+3_3V

Y2 — HEADER2X5
TCK 1, TDO 3, TMS 5, VPUMP 7, TRST 8, TDI 9, 2, 4, 6, 10

Y3 — HEADER2X5
ADBUS0 1, ADBUS2 3, ADBUS3 5, ADBUS4 7, ADBUS1 9, 2, 4, 6, 8, 10

+1_5V — C14 C10UF 10V, C13 C10UF 10V, CF19 .1uF, CF18 .1uF, CF17 .1uF, CF16 .1uF, CF15 .1uF, CF14 .1uF, CF13 .1uF

+1_8V — CF11 .1uF, CF10 .1uF, CF9 .1uF, CF8 .1uF, CF7 .1uF, CF6 .1uF, CF5 .1uF

FILE	GATEX.SCH	REVIS.	DATA	SIGLA
DATA	SIGLA			
09012701		N. CODICE 520.600.02		