PARALLAX Inc.

Stratix 672 SmartPack
Rev B/C

RS-232

HOST
MAX3221
C1+, C1-, C2+, C2-, VCC, FORCEOFF, FORCEON, TX, RX, INVALID, V+, EN, GND, V-
0.1uF
VCCIO
TX
RX

PX Loader

red 220
green 220
SX20AC/SS
RA2, RA3, RTCC, MCLR, VSS, VSS, RB0, RB1, RB2, RB3
RA1, RA0, OSC1, OSC2, VDD, VDD, RB7, RB6, RB5, RB4
TX, RX, VCCIO, 2.9V, 1K, PX0, PX1, PX2, RES, FS
25MHz
FS, FC, FD, CFG
0.1uF
VCCIO
M25P80
S, Q, W, GND, VCC, H, C, D
FS, FD, FC, FD

JTAG

TCK, TDO, TMS, TDI
JTAG
VCCIO

LEDs

LED7 220 yellow
LED6 220
LED5 220
LED4 220
LED3 220
LED2 220
LED1 220
LED0 220

Clock

VCCIO
0.1uF
OE, VCC, VSS, CLK
OSC
CLKA, CLKB

Headers

VCCIO
W0–W31
E0–E31
STRATIX 672 SmartPack
ALTERA Stratix
EP1SxxF672
NCLKB, NCLKA
WCLKB, WCLKA
ECLKA, ECLKB
SCLKB, SCLKA
PARALLAX Inc.
VCCIO

Stratix

VCCIO, VCCINT
10K, 10K
F9 IO, F6 IO
TX, RX
LED7 AA7, LED6 AA8, LED5 AA9, LED4 AA10, LED3 AA17, LED2 AA18, LED1 AA19, LED0 AA20
PX2 G9, PX1 F10, PX0 F17
CLKA B12 CLK14p, CLKB AE12 CLK4p
NCLKA N3 CLK0p, NCLKB M1 CLK1p
ECLKA M26 CLK10p, ECLKB M24 CLK11p
SCLKA R26 CLK9p, SCLKB P24 CLK8p
WCLKA R3 CLK3p, WCLKB R1 CLK2p
VCCINT VCCG_PLLx
VPLL6 AD14 VCCA_PLL6, VPLL5 D14 VCCA_PLL5, VPLL4 N25 VCCA_PLL4, VPLL3 P22 VCCA_PLL3, VPLL2 P5 VCCA_PLL2, VPLL1 M3 VCCA_PLL1
GNDA_PLLx, GNDG_PLLx
VCCIO 1K
D15 TRST, E15 TMS, G15 TCK, G14 TDO, H15 TDI
1K
VCCIO 1K
H13 nSTATUS, H12 nCONFIG, AF17 DEV_CLRn, H11 CONF_DONE, G12 DCLK, F16 DATA0
CFG, RES, PX2, PX1, PX0
W13 MSEL2, Y13 MSEL1, Y12 MSEL0, Y14 nCE
W16 PORSEL, AA15 nIO_PULLUP, AE13 VCC_PLL6_OUTA, D13 VCC_PLL5_OUTA
TEMPDIODEx, VREFxBx, Y15 VCCSEL
VCCINT (x6) 0.1uF
VCCIO (x10) 0.1uF
EP1SxxF672

Power

VIN
2.1mm Barrel
47uF
VCCIO 220 red
LMS1585ACSX-3.3
VIN, VSS, VOUT
47uF
LMS1585ACSX-1.5
VIN, VSS, VOUT
47uF
VCCINT

Reset

Reset
RES

PLL Supply

VCCINT 10nH 2.2uF 0.1uF VPLL6
VCCINT 10nH 2.2uF 0.1uF VPLL5
VCCINT 10nH 2.2uF 0.1uF VPLL4
VCCINT 10nH 2.2uF 0.1uF VPLL3
VCCINT 10nH 2.2uF 0.1uF VPLL2
VCCINT 10nH 2.2uF 0.1uF VPLL1