PCB planar transformer

178 x the circuit below

FPGA I/O Papilio DUO

SFP Optical Transceiver

Fibre Optic

To Supply on papilio Duo PCB

FPGA-B I/O Papilio DUO

To Supply on papilio Duo PCB

To Mains Supply

HIGH VOLTAGE OUTPUT

FPGA I/O Papilio DUO

VISHAY PCB DI-VIDER PCB

HIGH VOLTAGE AREA right hand side of dotted line with FPGA-B (second FPGA) Papilio DUO (initially battery powered)

MAINS VOLTAGE AREA Left of dotted line with FPGA Papilio DUO

SecondaryB PCB

SecondaryA PCB

To Supply on papilio Duo PCB