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 I/O Papilio DUO

To Supply on papilio Duo PCB

To Mains Supply

HIGH VOLTAGE AREA right hand side of dotted line with FPGA Papilio DUO

MAINS VOLTAGE AREA Left of dotted line with FPGA Papilio DUO

Papilio DUO (initially battery powered)

63KV SMPS +

1KV SMPS +

- o/p filament cathode bar connection

- o/p to wehnelt ring connection