PCB Connections Raspberry Pi Connector Demux and Buffer Circuits LED Connectors Raspberry Pi 3x3x3 LED Cube Buffer Demux TSW-103-07-T-S S1_EN Slice1EN Slice1Cathode1D S2_EN Slice1Cathode2D Slice2EN S3_EN Slice3EN Slice1Cathode3D 16 16 × Slice2Cathode1D Slice2Cathode2D CathodeA 18 18 × **→**CathodeB Slice2Cathode3D 20 22 24 24 24 × TSW-103-07-T-S Slice3Cathode1D 26 26 S3C2 S3_EN Slice3Cathode2D 28 28 × 30 Slice3Cathode3D 32 32 Anode1D **D**AnodeA A2 A3 AnodeB Anode2D S1_EN S2 EN 34 34 35 35 36 36 37 39 39 40 40 35 36 36 Anode3D TSW-103-07-T-S CA LEDCubeBufferDemux.sch 39 40 GND GND TSW-103-07-T-S Decoupling Capacitors place near +5V connector pins Bulk Capacitance placement not critical 0.1u GND PCB Designer: Donovan Squires System Designer: Alan Irwin License: CC-BY 4.0 Sheet: / File: KiCadDemo.sch Title: Raspberry Pi 3x3x3 LED Cube Shield, Main PCB Size: USLetter Date: Tuesday, March 17, 2015 Rev: -KiCad E.D.A. kicad (2015-01-16 BZR 5376)-product ld: 1/2

