⊕`, 10-layers PCB in Regular Thickness: 1.6MM Finished Outer Copper: 10Z Inner Copper: 10Z Inner layer Residual copper ratio: 70% Thickness Thickness after Material Layer (mm) lamination(mm) Outer Base L1-CU 0.0175 Copper 0.50Z (Plating to 10Z) 3313 RC58% PP 0.1030 0.0925 DK:4.45 L2-CU Inner Copper 10Z 0.0350 Core CORE 0.1300 DK:4.6 (Core with Cu) Microcontroller L3-CU Inner Copper 10Z 0.0350 7628 RC46% PP 0.1960 0.1750 DK:4.74 L4-CU Inner Copper 10Z 0.0350 File: microcontroller.kicad_sch Ethernet PHY RF Chain 3V3 Power Core 0.1300 CORE DK:4.6 (Core with Cu) L5-CU Inner Copper 10Z 0.0350 File: ethernet_phy.kicad_sch File: rf_chain.kicad_sch File: power.kicad_sch 7628 RC46% PP 0.1960 0.1750 DK:4.74 L6-CU Inner Copper 10Z 0.0350 0.2 Core CORE 0.1300 DK:4.6 (Core with Cu) L7-CU Inner Copper 10Z 0.0350 7628 RC46% PP 0.1960 0.1750 DK:4.74 L8-CU Inner Copper 10Z 0.0350 Core CORE 0.1300 DK:4.6 (Core with Cu) L9-CU Inner Copper 10Z 0.0350 3313 RC58% PP 0.1030 0.0925 DK:4.45 Outer Base 0.0175 L10-CU 0.0175 Copper 0.50Z (Plating to 10Z) *Thickness after lamination: 1.55mm, tolerance: ±10% Thomas Montano * Finished PCB Thickness: 1.65mm, tolerance: ±10% Sheet: / File: Radio Project.kicad_sch *Inner layer Residual copper ratio > 60%, it is suitable to choose a lamination structure with 70% inner layer Residual copper ratio. Title: RF Puck Size: A4 Date: 2025-06-22 Rev: 1 KiCad E.D.A. 9.0.2 ld: 1/5







