

Bill of Materials		MCP14T0517A/B EVB	
Part Number: EV76D05A Assy Number: 02-01415 PCB Number: 04-12472 Assy Revision: 1 Creation Date: 2/18/2025		 MICROCHIP	
Designator	Description	Manufacturer	Part Number
C1, C4, C7, C10, C13, C16	CAP CER 0.1uF 50V 10% X7R SMD 0603 AEC-Q200	D3 AVX Corporation	06035C104K4Z4A
C2, C11	CAP CER 4.7uF 25V 20% Y5V SMD 0805	TDK Corporation	C2012Y5V1E475Z
C3, C6, C9, C12, C15, C18	CAP CER 10uF 25V 10% X7R SMD 1206	Murata	GRM31CR71E106KA12L
C5, C14	CAP CER 1uF 50V 10% X7R SMD 0603	Taiyo Yuden	UMK107AB7105KA-T
C8, C17	CAP CER 1uF 25V 20% Y5V SMD 0805	KEMET	C0805C105Z3VACTU
C19	CAP CER 0.1uF 50V 10% X7R SMD 0805	KYOCERA AVX	KGM21NR71H104KT
D1, D2, D3, D4	DIODE SCKY 1N5819HW-7-F 450mV 1A 40V SMD SOD-123	Diodes Incorporated	1N5819HW-7-F
J1, J2, J3, J4, J6, J7, J8	CON HDR-2.54 Male 1x2 Gold 5.84MH TH VERT	FCI	68000-202HLF
J5	CON HDR-2.54 Male 1x3 Gold 6.10MH TH VERT	METZ CONNECT USA Inc.	PR20203VBNN
J9	CON HDR-2.54 Male 1x5 Gold 6MH TH R/A	Würth Elektronik	61300511021
R1	RES TF 10k 1% 1/8W SMD 0603	Stackpole Electronics Inc	RNCP0603FTD10K0
T1	TRANS SMPS 110uH 1:1:1 5000Vrms 750315240 SMD	Würth Elektronik	750315240
T2	TRANS SMPS 1:1.1 5V 1A 72uH SMD AEC-Q200	Würth	750315371
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13	CON TP TAB Silver Mini 3.8x2.03 SMD	Keystone Electronics	5019
Microchip Parts			
U1, U3	MCHP ANALOG LDO 5V MCP1727T-5002E/SN SOIC-8	Microchip	MCP1727T-5002E/SN
U2	MCHP ANALOG TRANSF DRIVER Push-Pull 150kHz MCP14T0517A 6L SOT-23	Microchip Technology	MCP14T0517A-E/CH
U4	MCHP ANALOG TRANSF DRIVER Push-Pull 450kHz MCP14T0517B 6L SOT-23	Microchip Technology	MCP14T0517B-E/CH
U5	MCHP MCU 8-BIT 32MHz 3.5kB 128B PIC12F1822T-E/SN SOIC-8	Microchip	PIC12F1822T-E/SN
Mechanical Parts			
JP1, JP2	MECH HW JUMPER 2.54mm 1x2	FCI	63429-202LF