

TPS54824 2s REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		TPS54824 2s	Any	Printed Circuit Board	
C3, C4	2	22uF	GRM32ER61E226KE15L	MuRata	CAP, CERM, 22 μ F, 25 V, +/- 10%, X5R, 1210	1210
C5, C6, C8	3	0.1uF	GRM155R61E104KA87D	MuRata	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X5R, 0402	0402
C7	1	220uF	UBT1E221MPD1TD	Nichicon	CAP, AL, 220 μ F, 25 V, +/- 20%, 0.1 ohm, TH	Cap, 10x12.5mm
C9, C10	2	100uF	GRM32ER60J107ME20L	MuRata	CAP, CERM, 100 μ F, 6.3 V, +/- 20%, X5R, 1210	1210
C16	1	8200pF	GRM155R71E822KA01D	MuRata	CAP, CERM, 8200 pF, 25 V, +/- 10%, X7R, 0402	0402
C17	1	27pF	GJM1555C1H270JB01	MuRata	CAP, CERM, 27 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C18	1	2200pF	GRM155R71E222KA01D	MuRata	CAP, CERM, 2200 pF, 25 V, +/- 10%, X7R, 0402	0402
C19	1	100pF	885012005061	Würth Elektronik	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
FID1, FID2, FID3, FID4, FID5, FID6	6		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
J1, J2	2		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
J3, J4	2		HTSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 100mil, 2x1, TH
L1	1	1uH	CMLE063T-1R0MS	Cyntec	Inductor, 1 μ H, 14.4 A, 0.0064 ohm, SMD	6.95x2.8x6.6mm
R1	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R2	1	86.6k	CRCW040286K6FKED	Vishay-Dale	RES, 86.6 k, 1%, 0.063 W, 0402	0402
R4	1	10.0	CRCW040210R0FKED	Vishay-Dale	RES, 10.0, 1%, 0.063 W, 0402	0402
R5	1	9.53k	CRCW04029K53FKED	Vishay-Dale	RES, 9.53 k, 1%, 0.063 W, 0402	0402
R6	1	6.04k	CRCW04026K04FKED	Vishay-Dale	RES, 6.04 k, 1%, 0.063 W, 0402	0402
R7	1	69.8k	CRCW040269K8FKED	Vishay-Dale	RES, 69.8 k, 1%, 0.063 W, 0402	0402
R8	1	12.1k	CRCW040212K1FKED	Vishay-Dale	RES, 12.1 k, 1%, 0.063 W, 0402	0402
R9	1	30.9k	CRCW040230K9FKED	Vishay-Dale	RES, 30.9 k, 1%, 0.063 W, 0402	0402
SH-J1, SH-J2, SH- J3, SH-J4	4	1x2	SNT-100-BK-G	Samtec	Shunt, 100mil, Gold plated, Black	Shunt
TP1, TP4	2		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2, TP5, TP7, TP8, TP9, TP11	6		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP3	1		5009	Keystone	Test Point, Compact, Yellow, TH	Yellow Compact Testpoint
TP6	1		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
TP10	1		5013	Keystone	Test Point, Multipurpose, Orange, TH	Orange Multipurpose Testpoint
U1	1		TPS54824RNVVR	Texas Instruments	4.5-V to 17-V Input, 8-A Synchronous Step-Down Voltage Regulator, RNV0018B (VQFN-HR-18)	RNV0018B