

Bill of Materials (BOM)

Item No: model: TSH-F140-01A v01 specifications: 140W PD a main board							Document No:	TSH-140BOM-001
compile:			examine:	ratify:		date:	2022.7.22	
Item	Tier	class	Part Number	Description	Component	quantity	unit	Ref Name
1	1	B	TSH-PD140-LLC3K-B	semi-manufactures	140W/PD PCBA/Rohs	1	PCS	
2	1.1	B	TSH-PD140-LLC3K-D	DIP	DIP/140W/PD Large plate PCBA/Rohs	1	PCS	
3	1.1.1	Z	F. C1. 0005-4A-0101	fuse	fuse/P=5mm/8.4*4*5mm/T4A/250VAC/Rohs	1	PCS	F1
4	1.1.2	Z	C. B1. 0015-155K-0101	electric capacity	CAP- DIP /P=10mm/12*8.5*16mm/1.5uF/450V/10%/CBB/Rohs	2	PCS	C2, C1
5	1.1.3	Z	C. X2. 1206-684K-1201	CAP- X	X2 /12*7.6*13.5mm/P=10mm/0.68uF/MPX/K-275Vac/10%/Rohs	1	PCS	CX1
6	1.1.4	Z	C. V1. 0511-476K-1001	CAP- DIP	CAP/Φ 5mm*11mm/P=2.5mm/47uF/50V/20%/LOWESR/Rohs/105℃	1	PCS	EC5
7	1.1.5	Z	C. D1. 1220-336M-1600	CAP- DIP	CAP/Φ 18mm*26mm/P=5mm/100uF/450V/20%/LKM/Rohs	1	PCS	CE1
8	1.1.6	Z	C. D1. 0620-687M-1701	CAP- DIP	CAP/Φ 6.3mm*14mm/P=2.5mm/220uF/35V/20%/LOWESR/Rohs/105℃	3	PCS	CE7、8, CE12
9	1.1.7	Z	C. D1. 1713-273J-1701	CAP- DIP	CAP/P=7.5mm/10*5*11mm/273/630V/MPP82/Rohs	1	PCS	CL1
10	1.1.8	Z	L. C1. 1685-1501-B401	L-DIP	L /LF-1.5M-1685A /立式/Rohs Φ0.75mm ≥1.5mH	1	PCS	LF1
11	1.1.9	Z	L. C1. 18107-2002-B401	L-DIP	L/LF-20M-18107A/立式/Rohs Φ0.75mm ≥15mH	1	PCS	LF2
12	1.1.10	Z	L. TQ2516-0130-0103	T-DIP	L /ATQ2516//F150N-01A-PFC3 130uH Φ0.1mm*30p	1	PCS	T1
13	1.1.11	Z	L. PQ2617-8500-0103	T-DIP	L/PQ2617/F150N-01A-LLC3/850uH/PC95/Rohs	1	PCS	T2
14	1.1.12	Z	L. C1. 6025-0100-0101	L-DIP	L /LL-120U-60125A/立式/Rohs	1	PCS	L1
15	1.1.13	Z	L. R15-0090-0105	T-DIP	T/ED1512/F150N-01A-LR3/Rohs 90UH	1	PCS	T3
16	1.1.14	Z	R. V1. 1108-561K-1001	VTC	VTC/D=11mm/P=7.5mm/10D561KJ/Rohs	1	PCS	RV1
17	1.1.15	Z	D. S1. 1506-0810-0101	DIODE	DIODE /D=25mm/P=7mm/KBJ1506L/Rohs	1	PCS	BD1
18	1.1.16	Z	A. C1. 0001-0008-0100	AC seat	AC seat /8 character AC	1	PCS	
19	1.1.17	Z	TSH-PD140-LLC3K-BB	DC	TSH-F140-01AB V1.0	1	PCS	
20	1.2	B	TSH-PD140-LLC3K-T	SMT	SMT/140W/PD PCBA/Rohs	1	PCS	
21	1.2.1	Z	J. B1. 140-8356-A104	PCBA	PCBA//F140-01AA V01/83mm*56mm*1.2mm-FR-4-2	1	PCS	
22	1.2.2	Z	R. S1. 0603-0047-1001	R - SMD	R - SMD /0603/4.7R/1%/SMD/Rohs	2	PCS	R11、R31
23	1.2.3	D	R. S1. 0603-0047-1005	R - SMD	R - SMD /0603/4.7R/5%/SMD/Rohs		PCS	R11、R31
24	1.2.4	Z	R. S1. 0603-0220-1001	R - SMD	R - SMD /0603/22R/1%/SMD/Rohs	2	PCS	R24, R111
25	1.2.5	D	R. S1. 0603-0220-1005	R - SMD	R - SMD /0603/22R/5%/SMD/Rohs		PCS	R24, R111
26	1.2.6	Z	R. S1. 0603-0101-1001	R - SMD	R - SMD /0603/100R/1%/SMD/Rohs	3	PCS	R12、R29、R30
27	1.2.7	D	R. S1. 0603-0101-1005	R - SMD	R - SMD /0603/100R/5%/SMD/Rohs		PCS	R12、R29、R30

28	1.2.8	Z	R. S1.0603-0511-1001	R - SMD	R - SMD /0603/510R/1%/SMD/Rohs	4	PCS	R9, R26, R14, R18,
29	1.2.9	D	R. S1.0603-0511-1005	R - SMD	R - SMD /0603/510R/5%/SMD/Rohs		PCS	R9, R26, R14, R18,
30	1.2.10	Z	R. S1.0603-1001-1001	R - SMD	R - SMD /0603/1K/1%/SMD/Rohs	2	PCS	R15, R19
31	1.2.11	D	R. S1.0603-1001-1005	R - SMD	R - SMD /0603/1K/5%/SMD/Rohs		PCS	R15, R19
32	1.2.12	Z	R. S1.0603-3301-1001	R - SMD	R - SMD /0603/3.3K/1%/SMD/Rohs	2	PCS	R32, R33
33	1.2.13	D	R. S1.0603-3301-1005	R - SMD	R - SMD /0603/3.3K/5%/SMD/Rohs		PCS	R32, R33
34	1.2.14	Z	R. S1.0603-4701-1001	R - SMD	R - SMD /0603/4.7K/1%/SMD/Rohs	1	PCS	R36
35	1.2.15	D	R. S1.0603-4701-1005	R - SMD	R - SMD /0603/4.7K/5%/SMD/Rohs		PCS	R36
36	1.2.16	Z	R. S1.0603-6801-1001	R - SMD	R - SMD /0603/6.8K/1%/SMD/Rohs	1	PCS	R35
37	1.2.17	Z	R. S1.0603-2002-1001	R - SMD	R - SMD /0603/20K/1%/SMD/Rohs	1	PCS	R23
38	1.2.18	D	R. S1.0603-2002-1005	R - SMD	R - SMD /0603/20K/5%/SMD/Rohs		PCS	R23
39	1.2.19	Z	R. S1.0603-5102-1001	R - SMD	R - SMD /0603/51K/1%/SMD/Rohs	1	PCS	R34
40	1.2.20	D	R. S1.0603-5102-1005	R - SMD	R - SMD /0603/51K/5%/SMD/Rohs		PCS	R34
41	1.2.21	Z	R. S1.0603-3002-1001	R - SMD	R - SMD /0603/30K/1%/SMD/Rohs	1	PCS	R16
42	1.2.22	D	R. S1.0603-3002-1005	R - SMD	R - SMD /0603/30K/5%/SMD/Rohs		PCS	R16
43	1.2.23	Z	R. S1.0603-1003-1001	R - SMD	R - SMD /0603/100K/1%/SMD/Rohs	1	PCS	R8
44	1.2.24	D	R. S1.0603-1003-1005	R - SMD	R - SMD /0603/100K/5%/SMD/Rohs		PCS	R8
45	1.2.25	Z	R. S1.0603-1803-1001	R - SMD	R - SMD /0603/180K/1%/SMD/Rohs	1	PCS	R20
46	1.2.26	D	R. S1.0603-1803-1005	R - SMD	R - SMD /0603/180K/5%/SMD/Rohs		PCS	R20
47	1.2.27	Z	R. S1.0603-5104-1001	R - SMD	R - SMD /0603/5.1M/1%/SMD/Rohs	1	PCS	R3
48	1.2.28	D	R. S1.0603-5104-1005	R - SMD	R - SMD /0603/5.1M/5%/SMD/Rohs		PCS	R3
49	1.2.29	Z	R. S1.0805-0047-1001	R - SMD	R - SMD /0805/4.7R/1%/SMD/Rohs	1	PCS	R25
50	1.2.30	D	R. S1.0805-0047-1005	R - SMD	R - SMD /0805/4.7R/5%/SMD/Rohs		PCS	R25
51	1.2.31	Z	R. S1.0805-0220-1001	R - SMD	R - SMD /0805/22R/1%/SMD/Rohs	2	PCS	R27, R28
52	1.2.32	D	R. S1.0805-0220-1005	R - SMD	R - SMD /0805/22R/5%/SMD/Rohs		PCS	R27, R28
53	1.2.33	Z	R. S1.0805-7503-1001	R - SMD	R - SMD /0805/750K/1%/SMD/Rohs	1	PCS	R7
54	1.2.34	D	R. S1.0805-7503-1005	R - SMD	R - SMD /0805/750K/5%/SMD/Rohs		PCS	R7
55	1.2.35	Z	R. S1.0805-1504-1001	R - SMD	R - SMD /0805/1.5M/1%/SMD/Rohs	2	PCS	R21, R22
56	1.2.36	D	R. S1.0805-1504-1005	R - SMD	R - SMD /0805/1.5M/5%/SMD/Rohs		PCS	R21, R22
57	1.2.37	Z	R. S1.0805-7504-1001	R - SMD	R - SMD /0805/7.5M/1%/SMD/Rohs	4	PCS	R1, R2, R5, R6
58	1.2.38	D	R. S1.0805-7504-1005	R - SMD	R - SMD /0805/7.5M/5%/SMD/Rohs		PCS	R1, R2, R5, R6
59	1.2.39	Z	R. S2.2512-R050-1201	R - SMD	R - SMD /2512/50mR/2W/75PPM/1%/SMD/Rohs	1	PCS	RS1
60	1.2.40	Z	L. S1.3230-0040-3001	L- SMD	L-SMD /3230/40R/20A/1%/SMD/Rohs	2	PCS	LL1, LL2
61	1.2.41	Z	R. S1.0603-0060-3001	L- SMD	L- SMD /0603/60R/1%/SMD/Rohs	3	PCS	R10, R13, R17
62	1.2.42	Z	C. S1.0603.331K.0601	C- SMD	C- SMD /0603/330pF/50V/NPO/10%/SMD/Rohs	2	PCS	C3, C111
63	1.2.43	Z	C. S1.0603.102K.0601	C- SMD	C- SMD /0603/1nF/50V/NPO/10%/SMD/Rohs	3	PCS	C4, C5, C19
64	1.2.44	Z	C. S1.0603.222K.0601	C- SMD	C- SMD /0603/2.2nF/50V/NPO/10%/SMD/Rohs	3	PCS	C16, C17, C13
65	1.2.45	Z	C. S1.0603.472K.0601	C- SMD	C- SMD /0603/4.7nF/50V/NPO/10%/SMD/Rohs	2	PCS	C12, 24
66	1.2.46	Z	C. S1.0603.103K.0501	C- SMD	C- SMD /0603/10nF/50V/X7R/10%/SMD/Rohs	3	PCS	C9, C15, C23

67	1.2.47	Z	C. S1. 0603. 104K. 0501	C- SMD	C- SMD /0603/100nF/50V/X7R/10%/SMD/Rohs	1	PCS	C18
68	1.2.48	Z	C. S1. 0603. 224K. 0501	C- SMD	C- SMD /0603/220nF/50V/X7R/10%/SMD/Rohs	1	PCS	C10
69	1.2.49	Z	C. S1. 0603. 105K. 0501	C- SMD	C- SMD /0603/1uF/50V/X7R/10%/SMD/Rohs	1	PCS	C20
70	1.2.50	Z	C. S1. 0805. 102K. 0501	C- SMD	C- SMD /0805/1nF/200V/X7R/10%/SMD/Rohs	2	PCS	C21, C22
71	1.2.51	Z	C. S1. 1206-039J-0501	C- SMD	C- SMD /1206/39pF/1KV/NPO/5%/SMD/Rohs	1	PCS	C11
72	1.2.52	Z	C. S1. 1206-102J-0501	C- SMD	C- SMD /1206/1nF/1KV/NPO/5%/SMD/Rohs	2	PCS	C14, C0
73	1.2.53	Z	C. S1. 1206-103J-0501	C- SMD	C- SMD /1206/10nF/1KV/X7R/5%/SMD/Rohs	1	PCS	C01
74	1.2.54	Z	C. Y1. 0010-102M-1101	C- SMD	C- SMD /SMC/1nF/400V/Y1/20%/SMD/Rohs	1	PCS	CY2
75	1.2.55	Z	C. Y1. 0010-222M-1101	C- SMD	C- SMD /SMC/2. 2nF/400V/Y1/20%/SMD/Rohs	1	PCS	CY1
76	1.2.56	Z	D. S1. 0123-00F7-0101	D-SMD	D-SMD /SOD-123 塑封/F7/SMD/Rohs	1	PCS	D3
77	1.2.57	Z	D. S1. 0323-4148-0101	D-SMD	D-SMD /SOD-323 塑封/IN4148/SMD/Rohs	1	PCS	D4
78	1.2.58	Z	D. S1. 0214-SMAF-0101	D-SMD	D-SMD /SMAF/ES1J/SMD/Rohs	1	PCS	D2
79	1.2.59	Z	U. S1. 0016-2016-0101	IC-SMD	IC/SOP-16/TEA2016T/Rohs	1	PCS	U1
80	1.2.60	Z	D. S1. 0808-6506-0101	D-SMD	D-SMD /QFN8*8/G5S06506QT/Rohs	1	PCS	D1
81	1.2.61	Z	Q. S1. 0023-0431-0101	V-SMD	V /SOT-23/TL431/Rohs	1	PCS	U4
82	1.2.62	Z	Q. S1. 0023-2907-0101	D-SMD	D-SMD/SOT-23/MMBT2907/Rohs	2	PCS	Q2, Q4
83	1.2.63	Z	U. S1. 0023-3110-0101	IC-SMD	IC/SOT23-5/FAN3100C/Rohs	1	PCS	U10
84	1.2.64	Z	Q. S1. QFN-6515-0101	GaN-MOS	GaN /QFN8*8/tp65h150g41sg/Transphorm/Rohs	1	PCS	Q1
85	1.2.65	Z	Q. S1. QFN-6530-0101	GaN-MOS	GaN/QFN8*8/tp65h300g41sg/Transphorm/Rohs	2	PCS	Q3, Q5
86	1.2.66	Z	Q. S1. QFN-0606-0101	MOS	MOS/QFN5×6/SFS06R06GF/Rohs	2	PCS	Q6, Q7
87	1.2.67	D	Q. S1. QFN-2306-0101	MOS	MOS/QFN5×6/TPH2R306NH/Rohs	2	PCS	Q6, Q7
88	1.2.68	Z	U. S1. 0008-1995-0101	IC-SMD	IC/SO-8/TEA1995T/Rohs	1	PCS	U3
89	1.2.69	Z	U. S2. 0004-1018-0101	D-SMD	D/EL1018/SOIP-4//H≤3. 0mm/Rohs	1	PCS	U2

PD-small board						quantity	unit	Ref Name
Item	Tier	class	Part Number	Description	Component	quantity	unit	Ref Name
1	1	B	YMT-PD140-LLC2K-BB	semi-manufactures	140W/2 type-c /PCBA/Rohs	1	PCS	
2	1.1	B	YMT-PD140-LLC2K-DD	DIP	DIP/140W/ type-c /TYOE_C/PCBA/Rohs	1	PCS	
3	1.1.1	Z	L. C1. 4425-0206-B401	L-DIP	L/LL-20U-44125A/0.7mm, 22uH	2	PCS	L1, L2
4	1.1.3	Z	J. BI. 150-5622-C104	PCBA	PCBA//F140-2C V01 /50*21*1.0mm/FR-4-1oZ	1	PCS	
5	1.2	B	YMT-PD140-LLC3K-PDT	SMT	SMT/140W/2 □/PD /PCBA/Rohs	1	PCS	
6	1.2.1	Z	U. S1. 0016-6550-0101	IC-SMD	IC/QFN4X4-IP6550/Rohs	2	PCS	U1, U2
7	1.2.2	Z	U. S1. 0032-2738-0101	IC-SMD	IC/QFN4X8-IP2738/Rohs	1	PCS	U3
8	1.2.3	Z	Q. S1. DFN-3401-0101	MOS-SMD	PMOS/DFN3333/AON3401A /Rohs	2	PCS	Q5, Q10

9	1.2.4	Z	Q. S1. DFN-4050-0101	MOS-SMD	MOS/DFN3333/AD40N50/Rohs	4	PCS	Q1, Q2, Q6, Q8
10	1.2.5	Z	R. S2. 1206-R005-1201	R-SMD	R/1206/5mR/1W/75PPM/1%/SMD/Rohs	2	PCS	RS1, RS2,
11	1.2.6	Z	C. S1. 0402. 470K. 0601	C-SMD	CAP/0402/47pF/50V/NPO/10%/SMD/Rohs	2	PCS	C16, C32
12	1.2.7	Z	C. S1. 0402. 221K. 0601	C-SMD	CAP/0402/220pF/50V/NPO/10%/SMD/Rohs	2	PCS	C2, C14
13	1.2.8	Z	C. S1. 0402. 331K. 0601	C-SMD	CAP/0402/330pF/25V/NPO/10%/SMD/Rohs	4	PCS	C11, C12, C18, C19
14	1.2.9	Z	C. S1. 0402. 102K. 0501	C-SMD	CAP/0402/1000pF/50V/X7R/10%/SMD/Rohs	4	PCS	C4, C17,C8, C24
15	1.2.10	Z	C. S1. 0402. 332K. 0601	C-SMD	CAP/0402/3.3nF/50V/N7R/10%/SMD/Rohs	2	PCS	C30,C31
16	1.2.11	Z	C. S1. 0402. 104K. 0501	C-SMD	CAP/0402/100nF/50V/X7R/10%/SMD/Rohs	6	PCS	C1, C6, C13, C21,C22,C33
17	1.2.12	Z	C. S1. 0402. 105K. 0501	C-SMD	CAP/0402/1uF/25V/X7R/10%/SMD/Rohs	2	PCS	C27, C29
18	1.2.13	Z	C. S1. 0603. 105K. 0501	C-SMD	CAP/0603/1uF/50V/X7R/10%/SMD/Rohs	1	PCS	C25-1
19	1.2.14	Z	C. S1. 0603. 225K. 0501	C-SMD	CAP/0603/2.2uF/25V/X7R/10%/SMD/Rohs	5	PCS	C3, C10, C15, C25,C28
20	1.2.15	Z	C. S1. 0603. 106K. 0501	C-SMD	CAP/0603/10uF/16V/X7R/10%/SMD/Rohs	3	PCS	C5, C20,C27-1
21	1.2.16	Z	C. S1. 1206-106K-0501	C-SMD	CAP/1206/10uF/35V/X7R/10%/SMD/Rohs	4	PCS	C7, C9, C23, C26
22	1.2.17	Z	R. S1. 0402-0000-1001	R-SMD	R-SMD /0402/0R/1%/SMD/Rohs	4	PCS	R5, R8, R31, R37
23	1.2.18	Z	R. S1. 0402-0002-1001	R-SMD	R-SMD /0402/2R/1%/SMD/Rohs	10	PCS	R3, R4, R6, R7, R29, R30, R32, R43, R47, R51
24	1.2.19	Z	R. S1. 0402-0010-1001	R-SMD	R-SMD /0402/10R/1%/SMD/Rohs	8	PCS	R13, R14, R15, R16, R33, R34, R35, R36
25	1.2.20	Z	R. S1. 0402-0201-1001	R-SMD	R-SMD /0402/200R/1%/SMD/Rohs	2	PCS	R10, R25
26	1.2.21	Z	R. S1. 0402-1001-1001	R-SMD	R-SMD /0402/1K/1%/SMD/Rohs	4	PCS	R26, R44, R48, R49
27	1.2.22	Z	R. S1. 0402-1002-1001	R-SMD	R-SMD /0402/10K/1%/SMD/Rohs	5	PCS	R11, R19, R20, R28, R39
28	1.2.23	Z	R. S1. 0402-1602-1001	R-SMD	R-SMD /0402/16K/1%/SMD/Rohs	2	PCS	R1, R22
29	1.2.24	Z	R. S1. 0402-8002-1001	R-SMD	R-SMD /0402/80K/1%/SMD/Rohs	2	PCS	R2, R23
30	1.2.25	Z	R. S1. 0402-9002-1001	R-SMD	R-SMD /0402/90K/1%/SMD/Rohs	2	PCS	R12, R21
31	1.2.26	Z	R. S1. 0402-1003-1001	R-SMD	R-SMD /0402/100K/1%/SMD/Rohs	8	PCS	R9, R18, R24, R27, R40, R41, R42, R50
32	1.2.27	Z	R. S1. 0402-2003-1001	R-SMD	R-SMD /0402/200K/1%/SMD/Rohs	2	PCS	R45, R46
33	1.2.28	Z	Q. S1. 0023-7002-0101	MOS-SMD	MOS/SOT-23/2N7002/Rohs	6	PCS	Q3, Q4, Q7, Q9, Q11, Q12
34	1.2.29	Z	D. S1. 0323-0010-0101	DZ-SMD	DZ/SOD-323/10V/SMD/Rohs	2	PCS	ZD1, ZD2
35	1.2.30	Z	D. S1. 0323-0022-0101	DZ-SMD	DZ/SOD-323/22V/SMD/Rohs	1	PCS	ZD2-1
36	1.2.31	Z	Q. S1. 0023-7550-0101	D-SMD	D/SOT-23/HT7550/Rohs	1	PCS	U5
37	1.2.32	Z	D. J1. 532-0001-0101	D-SMD	D/'ESD05V32D-A/SOD-323/Rohs	8	PCS	TVS1, 2, 3, 4, 5, 6, 7, 8,
38	1.2.33	Z	C. C1. 152005M-1002	TYPE-C	TYPE-C /14PIN180 5A/10.5mm/20V5A/Rohs	2	PCS	J1, J2
39	1.2.34	Z	C. S1. 0608-107K-0701	C-DIP	100uF35V/20%/105°C/Φ6.3*8mm/	2	PCS	CE1, CE2