

TPS570 BOM

IC	Specification	Decal Name	Consumption	Unit
BT2	3V/5.5mA/6.8*2.1/ML621-TZ1(MS621FE)	MS621F	1	[PCS]
FB3, B3, B4, FB8, FB9, FB15	GZ1608D601TF (MGGB1608M601HT-LF)	L0603	6	[PCS]
C2, C14, C27	226/16V/+/-10%/X5R	C1206	3	[PCS]
C3, C7, C13, C16, C20, C24, C29, C30, C34, C41, C47, C49, C51, C52, C55, C60, C63, C66, C67, C69, C71, C72, C73, C74, C75, C77, C79, C80, C83, C84, C85, C86, C87, C92, C95, C97, C98, C99, C100, C101, C104, C106, C109, C110, C112, C115, C123, C124, C126, C128, C129, C131, C135, C152, C154, C156, C159, C160, C161, C163, C164, C165, C166, C167, C169, C170, C173, C174, C175, C176, C177, C249	104/25V/+/-10%/X5R	C0402	72	[PCS]
C4, C12, C15, C28, C35, C36, C38, C39, C40, C42, C43, C45, C46, C48, C54, C56, C59, C61, C70, C94, C178	105/25V/+/-10%/X5R	C0603	21	[PCS]
C5, C53	220U/16V/+/-20%/6.3*7.7	CA SMD6 3X5.4	2	[PCS]
C6, C9, C17, C18, C19, C21	226/10V/+/-20%/X5R	C0805	6	[PCS]
C8, C10, C32	104/50V/+/-10%/X7R	C0603	3	[PCS]
C23, C26, C44, C168	225/16V/+/-10%/X5R	C0603	4	[PCS]
C25, C58	106/16V/+/-10%/X5R	C0805	2	[PCS]
C31	106/50V/+/-10%/X5R	C1206	1	[PCS]
C33, C50, C62, C65, C68, C108, C111, C118, C121, C122, C125, C130, C179	106/10V/+/-10%/X5R	C0805	13	[PCS]
C76, C78, C82, C88, C140, C142, C155, C158, C171	475/25V/+/-10%/X5R	C0805	9	[PCS]
C89, C90, C91, C148, C180, C181	33P/50V/+/-5%/NPO	C0402	6	[PCS]
C93	102/2KV/+/-10%/X7R	C1206	1	[PCS]
C114, C116, C153, C157	12P/50V/+/-5%/NPO	C0402	4	[PCS]
C139, C141, C143	103/50V/+/-10%/X7R	C0402	3	[PCS]
C151, C162	15P/50V/+/-5%/NPO	C0402	2	[PCS]
D1, D2, D9, D10	B360B	SMB	4	[PCS]
D3, D11	BAT54C	SOT23	2	[PCS]
D4, D5	S3B	DO-214AA	2	[PCS]
D12, D17	WSB5819W-2/TR/B5819WS	SOD323	2	[PCS]
D13, D15, D18	HBAT54SN3	SOT23	3	[PCS]
D14	TZS4694/ZMM8V2/0.5W/8.2V	LL-34	1	[PCS]
D16	18V/1/2W	LL-34	1	[PCS]
ED9, ED10, ED11, ED12, ED13, ED14, ED15, ED16, ED17, ED18, ED19, ED20, ED23, ED24, ED27, ED28	ESD0402E002M05/ESD0402M05V	E0402	16	[PCS]
ED1, ED2, ED3, ED4, ED5, ED6, ED7, ED8, ED25, ED26	ESD05V92D-C	0402	10	[PCS]
ED21, ED22	SC0402ML080M/UNO402M05M	E0402	2	[PCS]
FB12, FB13	120R/2A/MGLB1608M121T2R0-LF	L0603	2	[PCS]
FB19	OR/500mA/MGGB1608M000HT-LF	L0603	1	[PCS]
F1	25F-030H/L1/3A/FSMD300R	FSMD1812	1	[PCS]
JP1	5S/B/Four feet flashboard	MICRO-USB-5PIN	1	[PCS]
J1	DC-044A/2.5mm	DC-044A	1	[PCS]
J2	3P/CH5B/2.54		1	[PCS]
J3, J4	MUP-C742/Gold Plating 3U	MUP-C742	2	[PCS]
J5, J13	FPC/0.5/30P/Gold Plating		2	[PCS]
J6	FPC/0.5/12P/Gold Plating	FPC12-0.5	1	[PCS]
J7	9P/MUP-M614	TF-CARD	1	[PCS]
J10, J11	Sink plate/straight edge/single layer	USB-4-CB	2	[PCS]
J12	2P/1.25/Upright	LED-1.25	1	[PCS]
J16	FPC/0.5/32P/Gold Plating above 2U		1	[PCS]
J17, J18, J20	U-FL-R-SMT(10)-3P	20279-001E-01	3	[PCS]
J19	12P/2.0/H6.35/5 Foot hole sealing/2,3,4,5 empty feet	CON12-2.0MM-A	1	[PCS]
LED1	blue	LED0603	1	[PCS]
LED10	red/19-22/R6GHC-C02/2T	LED0603D	1	[PCS]
L1, L2	MPIT6028-4R7M-LF(4.7uH/3A)	L SMD7X4	2	[PCS]
L3	6.8uH/1.6A/SWPA4030S6R8MT	IND-4X4	1	[PCS]
L4, L5	10uH/1A/SWPA3015S100MT/Sunlord	IND-3X3	2	[PCS]
Q2, Q3, Q4, Q6, Q8, Q9, Q11, Q15, Q18, Q19, Q20, Q22, Q25, Q33	9014=J6	SOT23	14	[PCS]
Q5, Q7, Q10, Q14, Q21	SI2307CDS	SOT23	5	[PCS]
Q23	H2N7002/2N7002	SOT23	1	[PCS]
Q1, Q24	9015	SOT23	2	[PCS]
R7, R17, R39	32K4/1%	R0402	3	[PCS]
R8, R24	40K2/1%	R0402	2	[PCS]

R10	10K/1%	R0402	1	[PCS]
R11, R18, R20, R49, R52, R65, R76, R77, R81, R82, R86, R87, R89, R128, R149, R160, R161, R168, R188, R236, R335	4K7/5%	R0402	21	[PCS]
R12, R15, R16, R22, R25, R28, R56, R57, R60, R125, R131, R140, R150, R162, R163, R167, R173, R174, R176, R190, R191, R192, R193, R199, R245	10K/5%	R0402	25	[PCS]
R13, R14, R19, R21, R26, R66, R70, R78, R79, R80, R84, R100, R103, R124, R164, R165, R169, R170, R171, R194, R264	47K/5%	R0402	21	[PCS]
R23	24K9/1%	R0402	1	[PCS]
R30	7K68/1%	R0402	1	[PCS]
R31, R32, R102, R155	2K/5%	R0402	4	[PCS]
R33, R34	200K/1%	R0402	2	[PCS]
R35, R263	100K/1%	R0402	2	[PCS]
R36	0R11/1%	R1206	1	[PCS]
R37	510R/5%	R0402	1	[PCS]
R47	0R/5%	R0603	1	[PCS]
R53	1R5/1%	R0805	1	[PCS]
R63, R166, R189	100K/5%	R0402	3	[PCS]
R64	68K/1%	R0402	1	[PCS]
R67, R196	30K/1%	R0402	2	[PCS]
R68, R71	470R/5%	R0603	2	[PCS]
R73	47K/1%	R0402	1	[PCS]
R74	1K/1%	R0402	1	[PCS]
R83	0R/5%	R0402	1	[PCS]
R85, R92, R94	12K/1%	R0402	3	[PCS]
R90, R91	22R/5%	R0402	2	[PCS]
R95, R172, R235	1M/5%	R0402	3	[PCS]
R96, R97, R98, R99	75R/5%	R0402	4	[PCS]
R101, R135, R142	1M/5%	R0603	3	[PCS]
R126	3K4/1%	R0402	1	[PCS]
R136	2K7/1%	R0402	1	[PCS]
R151, R152, R153, R154	49R9/1%	R0402	4	[PCS]
R175	22K/5%	R0402	1	[PCS]
R177, R179, R181, R182	1R2/5%	R0603	4	[PCS]
R178	180R/5%	R0402	1	[PCS]
R180	2K2/1%	R0402	1	[PCS]
R183, R187, R483	1K/5%	R0402	3	[PCS]
R197, R198	62K/5%	R0402	2	[PCS]
R326, R336	1K/5%	R0603	2	[PCS]
SH1, SH2, SH3, SH5, SH6	1.50*W1.40*H1.40 (0.8) /113 cable		5	[PCS]
SW_PWR1, S1, S2	ST-1233/3.3*4.5mm	KEY-3X5-180	3	[PCS]
U1, U2	MP1471AGJ-Z	SOT23-6	2	[PCS]
U3, U11	ME6211C33M5G-3.3V-500mA	SOT-23-5	2	[PCS]
U4	EUP8209-84DIR1	S08-6MM	1	[PCS]
U5, U6	SGM3752	SOT26	2	[PCS]
U7	AX88772CLF	QFP64	1	[PCS]
U8	93C66	SOIC-8AAA	1	[PCS]
L6, L7	TXF353229NF-201	L 3.5X3.2X2.9	2	[PCS]
U10	RJ45SMT-8P8C03381101		1	[PCS]
U12	SY6280AAC	SOT-23-5	1	[PCS]
U13	FE1.1S	SSOP28-D0.64-6X10	1	[PCS]
U14	SGM7227YMS10G/TR	MSOP-10	1	[PCS]
U15	GSL1680F/QFN40 (5*5)	GSL1680	1	[PCS]
U16	SI4425/P	S08	1	[PCS]
U18	STM32F103C8T6	LQFP48 N	1	[PCS]
U19	DRV8833PWP	HTSSOP16	1	[PCS]
U20	TCS8642/PT5305NMSH	MSOP8	1	[PCS]
U21	CW2015CSAD	TDFN8	1	[PCS]
U100	SIM5800E/ (W B1/B8, GSM900/1800) /P/N: S2-107F7-Z1Z51		1	[PCS]
X1	25MHz/10PPM/20pF/0~70 °C	CRY-D3225	1	[PCS]
Y1	12MHz/10PPM/Square/12pF/0~70 °C	CRY-D3225	1	[PCS]
Y2	8MHz/20PPM/15pF	CRY-CO5032	1	[PCS]
ZD1	SMBJ13A	SMB	1	[PCS]
Z1	5V1/1/2W	LL-34	1	[PCS]