

Bill of Materials

TB-S5D5

PCB Project

TB-S5D5

Version:

1.2

Variant:

MP



Report Date: 4/17/2020 9:22 AM
Print Date: 17-Apr-20 9:23:43 AM

#	Designator	Quantity	Fitted	Description	Manufacturer	Mfg Part Number
1	A_Logo1	1	Fitted	Combination disclaimer and Serious Integrated Design splash	N/A	(none)
2	C1, C5, C6, C7, C8, C9, C11, C17, C18, C21, C23, C24, C25, C26, C27, C29, C50, C51, C52, C53, C54	21	Fitted	Ceramic Chip Capacitor 0603 0.1uF 50V	Samsung	CL10B104KB8NNNC
3	C2, C3, C22	3	Fitted	Ceramic Chip Capacitor 0402 1uF 16V	Samsung	CL05A105KO5NNNC
4	C4, C19, C20, C28	4	Fitted	Ceramic Chip Capacitor 0603 4.7uF 6.3V	Samsung	CL10A475KQ8NNNL
5	C12	1	Fitted	Ceramic Chip Capacitor 0402 0.01uF 50V	Samsung	CL05B103KB5NNNC
6	C13, C14	2	Fitted	Ceramic Chip Capacitor 0201 10pF 25V	Samsung	CL03C100DA3GNNC
7	C15, C16	2	Fitted	Ceramic Chip Capacitor 0402 12pF 50V	Samsung	CL05C120JB5NNNC
8	C30	0	Not Fitted	Ceramic Chip Capacitor 0603 0.1uF 50V	Samsung	CL10B104KB8NNNC
9	C31, C32	2	Fitted	Ceramic Chip Capacitor 0402 47pF 50V NP0/C0G	Murata	GRM1555C1H470JA01D
10	C33	0	Not Fitted	Ceramic Chip Capacitor 0603 18pF 50V	Samsung	CL10C180JB8NNNC
11	D1	1	Fitted	OnSemi Schottky Power Rectifier 40V 1A	OnSemi	MBR140SFT1G
12	FL1	1	Fitted	Common Mode Filter Inductor, 200 ohm CM @ 100MHz	Murata	DLP11SN201HL2L
13	J1, J2, J3, J4	4	Fitted	Header 0.1" pitch 40pos 2x20, T<->B Inverted	Sullins	PRPC020DAAN-RC
14	J5	1	Fitted	Samtec Female Header 0.1" pitch PMOD 2x6 Right Angle	Samtec	SSW-106-02-F-D-RA
15	J6	1	Fitted	Samtec Female Header 0.1" pitch 6pos 1x6 Right Angle	Samtec	SSW-106-02-FM-S-RA
16	J8	1	Fitted	FCI Header 0.1" pitch 4pos 2x2	FCI	67997-404HLF
17	J9, J11	2	Fitted	USB Micro 2.0 Female 5 Pin Right Angle	FCI	10118192-0001LF
18	J10	1	Fitted	10 Position Shrouded Header 1.27mm Pitch	CNC Tech	3220-10-0100-00
19	J12	0	Not Fitted	Tag Connect TC-2030 PCB Pads 6 Pos 2x3		
20	LED1	1	Fitted	Lite-On LED Red Clear 0603	Lite-On	LTST-C191KRKT
21	LED2	1	Fitted	Dialight Bicolor LED Red/Green 1210	Dialight	598-8610-207F
22	POT1	0	Not Fitted	Bourns Single Turn Trimmer 10K0	Bourns	3352T-1-103LF
23	R1, R5	2	Fitted	Chip Resistor Thick Film 0402 470R 0.5% 1/16W	Panasonic	ERA-2AED471X
24	R2, R9	2	Fitted	Chip Resistor Thick Film 0402 1K50 0.5% 1/16W	Panasonic	ERA-2AED152X
25	R3	1	Fitted	Chip Resistor Thick Film 0402 47K0 1% 1/10W	Panasonic	ERJ-2RKF4702X
26	R4	1	Fitted	Chip Resistor Thick Film 0603 560R0 1% 1/10W	Panasonic	ERJ-3EKF5600V
27	R6, R7, R8	3	Fitted	Chip Resistor Thick Film 0603 10K2 1% 1/10W	NIC	NRC06F1022TRF
28	R10	1	Fitted	Chip Resistor Thick Film 0402 4K70 0.5% 1/16W	Panasonic	ERA-2AED472X
29	R11, R12	2	Fitted	Chip Resistor Thick Film 0402 150R 1% 1/10W	Panasonic	ERJ-2RKF1500X
30	R51, R52	2	Fitted	Chip Resistor Thick Film 0603 27 5% 1/10W	Stackpole	RMC0603JT27R0
31	RA1, RA2	2	Fitted	Chip Resistor Array 0804 30K0 5% 1/16W 4 x 0402	Panasonic	EXB-28V303JX
32	S1, S2	2	Fitted	Push Button Switch 6 x 6mm 4.3mm High	C&K	PTS645SM43SMTR92 LFS
33	U1	1	Fitted	Renesas S5D5 ARM Cortex M4 120MHz MCU LQFP144	Renesas	R7FS5D57C3A01CFB#AA0
34	U2	1	Fitted	Renesas S124 32-Bit 32MHz Cortex M0+ MCU LQFP64	Renesas	R7FS124773A01CFM#AA0
35	U3	1	Fitted	LDO Regulator 3.3V 600mA	Diodes	AP7215-33YG-13
36	X1	1	Fitted	Crystal 12MHz 10pF	Abracon	ABM8G-12.000MHZ-B4Y-T
37	X2	1	Fitted	Crystal 32.769KHz 12.5pF SMT	Abracon	ABS07-32.768KHZ-T
Total Quantity:		73		Notes		