

Job Name: **stac-v1.bmb**

Build Count: **1**

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Build Slides: **Parts Not Stuffed**

Date: 12/13/2023

Time: 23:52

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
1	1	R25	BW-532-263	L1 RES 0	Res 0 1/10W 0603 Panasonic ERJ-3GEY0R00V

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Build Sides: **SMT Hand Parts RED = Top**

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Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
2	1	J17	BW-536-719	R1 CON-USB C	Con USB-C 2.0 recp R/A SMT Amphenol 12402012E212A
3	7	J5, J6, J9, J11, J13, J15, J16	BW-867-891	D4 CON-RF SMA edge mnt	Con SMA female jack end launch 50 ohm 18GHz PCB long pin f/62mil board Cinch 1

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Build Slides: **Thru Hole Hand Parts RED = Top**

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Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
4	2	J19, J23	BW-038-636	A5 CON-100 TSW 2	Con 2 pin 100 mil pitch 1x2 TSW str male thru 0.230" post height Samtec TSW-102-
5	2	T12, T13	BW-067-710	V7 TEST-PT 1	Test point loop 63mil dia hole yellow Keystone 5009
6	1	J14	BW-137-712	E6 CON-100 SSW 12	Con 12 pin 100 mil pitch 2x6 SSW socket female thru 0.230" post height Samtec SS
7	3	J4, J8, J10	BW-220-198	F3 CON-100 TSW 12	Con 12 pin 100 mil pitch 2x6 TSW RA male thru 0.230" post height Samtec TSW-106-
8	1	J1	BW-350-204	H7 CON-2.5MM Nano Fit 6	Con 6 pin 2.5mm pitch 2x3 Nano Fit RA male thru shrouded Molex 1053141106
9	1	S3	BW-431-238	U7 SW SPDT	Switch slide SPDT ST thru Wurth 450301014042
10	1	J7	BW-491-171	K5 CON-100 TSW 4	Con 4 pin 100 mil pitch 1x4 TSW str male thru 0.230" post height Samtec TSW-104-
11	1	J12	BW-510-530	T5 CON-100 TSW 16	Con 16 pin 100 mil pitch 2x8 TSW str male thru Samtec TSW-108-07-L-D
12	3	J2, J3, J18	BW-517-054	K6 CON-100 TSW 3	Con 3 pin 100 mil pitch 1x3 TSW str male thru 0.230" post height Samtec TSW-103-
13	2	S1, S2	BW-522-992	H6 SW SPDT	Switch slide SPDT 3A 125V ST thru NKK CS12ANW03
14	1	T4	BW-602-053	E6 TEST-PT 1	Test point loop 63mil dia hole orange Keystone 5008
15	3	J20, J21, J22	BW-623-913	V2 CON-100 TSW 8	Con 8 pin 100 mil pitch 2x4 TSW str male thru 0.230" post height Samtec TSW-104-
16	1	T10	BW-966-768	M8 TEST-PT 1	Test point loop 63mil dia hole black Keystone 5006

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Build Slides: **SMT Machine Parts**

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Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description
17	1	R33	BW-005-683	P4 R1%-0603 2.2K	Res 2.2K 1% 1/10W 0603 Yageo RC0603FR-132K2L
18	1	U6	BW-023-157	D1 DIE-CUSTOM STAC-V1	IC custom STAC-V1 die 64 pins 0.5mm pitch QFN-64 w/EP BWRC
19	4	R27, R29, R31, R32	BW-038-468	C1 R1%-0603 10K	Res 10K 1% 1/10W 0603 Yageo RC0603FR-0710KL
20	1	D7	BW-087-782	B8 LED red	LED 631nm red 2V 5mA 0603 SMT Lite-On LTST-C193KRKT-5A
21	1	R7	BW-131-959	H6 R1%-0603 82.5K	Res 82.5K 1% 1/10W 0603 Panasonic ERJ-3EKF8252V
22	1	R15	BW-146-387	V7 R1%-0603 75	Res 75 1% 1/10W 0603 Stackpole RMCF0603FT75R0
23	1	U7	BW-157-496	M3 IC FT2232HL	IC FT2232HL USB to UART/FIFO LQFP-64 FTDI FT2232HL
24	6	C9, C10, C12, C13, C31, C33	BW-171-235	L2 CAPC-0603 4.7uF 35V	Cap ceramic 4.7uF 35V 10% X5R 0603 Murata GRM188R6YA75KE15D
25	1	C36	BW-183-150	H8 CAPC-0603 3.3uF 10V	Cap ceramic 3.3uF 10V 10% X5R 0603 Samsung CL10A335KP8NNNC
26	18	R23, R24, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49	BW-200-113	B6 R1%-0603 5.1K	Res 5.1K 1% 1/10W 0603 Panasonic ERJ-3EKF5101V
27	1	D4	BW-219-501	N8 LED red	LED 660nm red 1.7V 0603 SMT VCC 7017X1
28	20	C1, C3, C15, C16, C17, C18, C19, C20, C21, C22, C30, C35, C37, C38, C39, C40, C41, C42, C43, C53	BW-224-068	U8 CAPC-0603 10uF 25V	Cap ceramic 10uF 25V 20% X5R 0603 Murata GRM188R61E106MA73D
29	2	L1, L2	BW-227-124	K4 IND-1008 1uH 3.3A	Inductor 1uH 3.3A shielded 1008 pkg Murata DFE252012F-1R0M=P2
30	1	U10	BW-250-920	K2 IC IS25LP128-JBLE	IC IS25LP128-JBLE 128Mbit QSPI flash SOIC-8 ISSI IS25LP128-JBLE
31	1	R9	BW-257-784	R3 RVAR 5K	Res var trimmer pot 5K 1/4W 3-pin SMT Bourns 3214X-1-502E
32	1	R2	BW-303-795	N3 R1%-0603 100K	Res 100K 1% 1/10W 0603 Panasonic ERJ-3EKF1003V
33	3	R8, R11, R16	BW-354-763	T8 R1%-0603 301	Res 301 1% 1/10W 0603 Panasonic ERA-3AEB3010V
34	2	C11, C14	BW-367-353	R5 CAPC-0603 0.47uF 10V	Cap ceramic 0.47uF 10V 10% X7R 0603 Yageo CC0603KRX7R6BB474
35	1	R5	BW-421-162	C5 R5%-0603 2.7M	Res 2.7M 5% 1/10W 0603 Panasonic ERJ-3GEYJ275V
36	1	R6	BW-446-612	P8 R1%-0603 15K	Res 15K 1% 1/10W 0603 Panasonic
37	4	R14, R18, R19, R22	BW-457-217	R3 R1%-0603 330	Res 330 1% 1/10W 0603 Panasonic ERJ-U03F3300V
38	1	U2	BW-471-924	J7 Q-NMOS BUK9K12-60EX	MOSFET N-CH dual 60V 35A SOT-1205 Nexperia BUK9K12-60EX
39	1	X1	BW-479-949	J3 CRY-OSC 12MHz	Osc 12MHz with capacitors 3-pin Murata CSTNE12M0GH5L000R0
40	1	R4	BW-514-032	N6 R1%-0603 510K	Res 510K 1% 1/10W 0603 Panasonic ERJ-3EKF5103V
41	1	R30	BW-528-389	D5 R.5%-0603 12K	Res 12K 0.5% 1/10W 0603 Panasonic
42	1	R17	BW-532-263	L1 RES 0	Res 0 1/10W 0603 Panasonic ERJ-3GEY0R00V

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Build Slides: **SMT Machine Parts**

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43	1	R10	BW-560-201	K4 R1%-0603 215K	Res 215K 1% 1/10W 0603 Panasonic ERJ-3EKF2153V
44	3	S4, S6, S7	BW-591-967	A6 SW SPST-NO	Switch momentary SPST-NO tactile 2 pin J-lead low-profile 2.5mm SMT C K PTS636 S
45	2	R20, R21	BW-611-992	J8 R.05%-0603 10	Res 10 0.05% 1/10W 0603 Stackpole RNCF0603AKT10R0
46	1	R13	BW-628-791	R6 R1%-0603 33.2K	Res 33.2K 1% 1/10W 0603 Panasonic ERJ-3EKF3322V
47	1	F1	BW-633-217	M7 FUSE 1.5A	Fuse PTC reset 6V 1.5A 1206 Eaton PTSLR12066V150
48	19	C4, C23, C24, C25, C26, C27, C28, C29, C32, C34, C44, C45, C46, C47, C48, C49, C50, C51, C52	BW-663-053	D3 CAPC-0603 0.1uF 16V	Cap ceramic 0.1uF 16V 5% X7R 0603 Kemet C0603C104J4RACTU
49	1	U9	BW-674-698	U7 IC TS3A27518EPWR	IC TS3A27518EPWR 6-ch analog mux TSSOP-24 TI TS3A27518EPWR
50	2	E1, E2	BW-697-885	K7 TASIL-BI PGB1010603MR	Diode TVS 24VWM 150VC 0603 Littelfuse PGB1010603MR
51	1	R26	BW-725-833	W1 R1%-0603 4.7K	Res 4.7K 1% 1/10W 0603 Panasonic ERJ-3EKF4701V
52	2	U3, U5	BW-746-991	U8 IC LT3042	IC LT3042 adj LDO regulator 200mA MSOP-EP-10 Analog Devices LT3042IMSE#TRPBF
53	3	D1, D2, D8	BW-747-432	R5 LED green	LED 565nm green 2.2V 0603 surface-mount Lumex SML-LX0603GW-TR
54	1	R3	BW-760-287	M2 R1%-0603 200K	Res 200K 1% 1/10W 0603 Panasonic ERJ-3EKF2003V
55	2	R12, R28	BW-784-622	K1 R1%-0603 250	Res 250 0.1% 1/10W 0603 Yageo RT0603BRE07250RL
56	1	R1	BW-812-714	E3 R1%-0603 909	Res 909 1% 1/10W 0603 Panasonic ERJ-3EKF9090V
57	1	U11	BW-818-101	G4 IC APS6404L-3SQR-SN	IC APS6404L-3SQR-SN PseudoSRAM PSRAM 8Mx8bits SPI/QSPI SOP-8 AP Memory APS6404L-
58	1	U4	BW-843-693	H7 IC LTC4365CTS8#TRMPBF	IC LTC4365CTS8#TRMPBF Analog Devices LTC4365 Surge Supressor
59	1	U1	BW-849-997	D7 IC LT3083	IC LT3083 LDO regulator 3A DDPK-5L Analog Devices LT3083EQ#PBF
60	3	D3, D5, D6	BW-885-747	P4 LED blue	LED 470nm blue 2.65V 2mA 0603 SMT Kingbright APT1608LVBC/D
61	1	U8	BW-913-765	B2 IC 93LC56BT-I/OT	IC 93LC56BT-I/OT 2K I2C EEPROM SOT23-6 Microchip 93LC56BT-I/OT
62	1	S5	BW-977-175	N2 SW DIP-6	Switch DIP 6 position, 12 pin, SMT Wurth 418121270806
63	5	C2, C5, C6, C7, C8	BW-998-821	W1 CAPE-AL-GP 220uF 16V	Cap aluminum polymer 220uF 16V 20% SMD, 6.3mm dia. Panasonic 16SVPK220M