

Project : T20100/0.0 VECTRON Mobile Printer HW90195
 Device : T20110/0.0
 PCB : HW90195
 Version : V1.2
 E-Nummer: E23341
 PCB Date: 03.03.2000

Bill of Materials

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item	qty	references	vendor part number	description	package	internal
1	3	U29-U31	AMC508734-002_S	F2F-Decoder	S020L	E04150
2	(1)	(U7)	AM29F040_90JC_PLCCSS_S	FLASH-EPROM Sockel mit Fuehrun	PLCC32SS	E01163_5
* 2a	1	U7a	AM29F040-90JC	Flash, 512k x 8, 90ns	PLCC32	E01270
3	6	D7-D12	BAV99_S	BAV99 2x Si-Diode seriell ,S0	SOT23	E02511
4	1	LS1	BEEPER_D	Beeper h=8.5mm	BEEPER	E14002
5	1	D6	CL_150G_GRUEN_LL1270_S	LED LED SMD mit Lichtleiter 12	CL_150_LL1270	E02136
6	1	D5	CL_150R_ROT_LL1270_S	LED LED SMD mit Lichtleiter 12	CL_150_LL1270_S	E02134
7	1	U12	DS1233Z-15_S0_S	Reset-Baustein,SMD, 350msec Im	SOT223	E02512
8	(1)	(ST12)	FPC10WZ_R100_TC_JAE_MIRROR_S	Flexible Printed Circuits 0.3	FPC10W_52207MLX	E26416
9	1	ST3	FPC20WZ_R125_TC_MLX_D	Connector unspecified Folienve	FPC20WZ_5597MLX	E11434
10	(1)	(JP2)	FS1X8_L254_D	Flexstrip-Jumper Flexstrip Jum	FS1X8	E14953
11	5	Q6,Q7,Q12-Q14	IRLML2402_SOT_S	N-Channel FET N-Channel MOSFET	SOT23	E02562
12	8	Q1-Q5,Q9-Q11	IRLML6302_SOT_S	P-Channel FET P-Channel MOSFET	SOT23	E02566
13	1	ST7	JAE-ILZ9PLSMTY_S	Connector unspecified Abgewink	JAE_ILZ9PLSMTY	E26085
14	1	SW1	JTP1236_D	Taster Taster stehend (abgewin	JTP1236	E14406
15	2	U36,U37	LB1843V_SS0P_S	Kleinleistungs Schrittmotortre	SS0P20_3179A	E04313
16	1	D1	LL4148_SOD_S	Schaltdiode (Universaldiode)	SOD80	E02500
17	2	U13,U14	LM385M3-2.5_S	Voltage Reference voltage refe	SOT23	E04180
18	1	U15	LP2954IS_S	No PDB description available	T0263_3	E02547
19	1	U26	LT1121IST_3.3_S	Voltage Regulator Micropower L	SOT223	E04357
20	1	ST10	Loetfl_3X4_S	Lötfläche SMD 3 x 4mm	Loetfl_3X4	---19
21	1	D13	MBR0520L_SOD_S	Schottkydiode V (RRM) 20V	SOD123	E02516
22	(1)	(U33)	MC78FC30HT1_SOT_S	Voltage Regulator Micropower u	SOT89	E02610
23	2	ST5,ST6	MOLEX53047_3_D	Connector unspecified Raster 1	MOLEX53047_3	E11307
24	1	ST9	MOLEX53261_0990_S	Connector unspecified Raster 1	MOLEX53261_9	E26017
25	1	U8	M5M5408TP_70LL_S032TSOP2_S	Static RAM 4Mbit CMOS SRAM 8bi	S032TSOP2	E04095
26	3	JP1,JP3,JP4	PAD0	Jumper Pad open		--456
27	1	ST13	PL2X10SS_R2L90I20_MIRROR_S	Pfostenleiste SMD Pfostenleist	PL2X10SSR2_MIR	E26061
28	1	ST11	PL2X25S_FTSH_HW86010_MIR_S	Pfostenleiste SMD Pfostensteck	PL2X25SS_FTSH_8	E26059
29	1	U16	RH5VL25CA_T1_S	Voltage Detector Voltage Detec	SOT89	E04500
30	1	Q8	SI9433DY_S0_S	P-Channel FET Ist z.B im HW909	S08	E02514
31	1	D3	SS16_D0_S	Schottkydiode Surface mount sc	D0214	E02538
32	1	U23	TFDU4100_TR3_S	IRDA Infrarot Sender/Empfaenge	TFDU4100_S	E04464
33	1	U6	TIR1000_S	Infrared Data Association Stan	S08_320MIL	E04480
34	1	U19	TLC555I_S0_S	Timer Lin CMOS Timer	S08	E04034
35	1	U11	TMP95C265F_QFP_S	CPU low voltage/low power CMOS	QFP100P1414	E04377
36	152	TP1-TP37, TP39, TP40, TP44, TP45	TP_10_R_S	Messpunkt	SMP1	--567
*		TP49-TP73, TP75-TP109, TP116				
*		TP117-TP145, TP147-TP167				
37	26(3)	R10-R12, (R13), R14-R18, (R19),	0R_5%_0W1_0805_S	Resistor SMD 0 Ohm Widerstand	RS0805	E08579
*		R79,R80,R98-R104,R106,R112,				
*		R113,R120-R125, (R134)				

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item	qty	references	vendor part number	description	package	internal
38	2	R89, R90	0R5_1%_1W_2015_S	Resistor SMD	RS2015	E08585
39	2	R31, R32	1K5_5%_0W1_0805_S	Resistor SMD	RS0805	E08611
40	6	C11-C16	1NF_10%_50V_CV_X7R_0805_S	Keramik-Vielschichtk. SMD	CVS0805	E09504
41	1	D4	1N4001_MELF_S	Gleichrichterdiode	MELF	E02501
42	(1)	(R119)	1R_5%_0W063_0603_S	Resistor SMD 1R 5%	RS0603	E08691
43	4	CE9-CE11, CE14	1UF5_20%_16V_CE_TA_3216_S	Tantal-Elektrolytk. SMD SMD-Ta	CTS3216	E09573
44	3	R69-R71	2K70_1%_0W125_0805_S	Resistor SMD	RS0805	E08581
45	4	C78, C80-C82	2NF2_10%_50V_CV_X7R_0603_S	Keramik-Vielschichtk. SMD 50V/	CVS0603	E09585
46	1	F1	4AT_NANO2_S	Fuse traeger	NANO2FUSE	E27601
47	8	R1-R5, R33, R34, R97	6K8_5%_0W1_0805_S	Resistor SMD	RS0805	E08614
48	5	R75-R77, R117, R118	10K_5%_0W1_0805_S	Resistor SMD	RS0805	E08617
49	5	C23-C25, C91, C92	10NF_10%_50V_CV_X7R_0805_S	Keramik-Vielschichtk. SMD	CVS0805	E09517
50	6	CE1, CE20, CE21, CE23-CE25	10UF_20%_16V_CE_TA_3528_S	Tantal-Elektrolytk. SMD	CTS3528	E09598
51	1	Y1	14MHZ7456_KX20_S	Quarz SMD QUARZ von GEYER Elec	KX20	E27320
52	2	R87, R88	15R_5%_0W1_0805_S	Resistor SMD	RS0805	E08698
53	1	R20	18K_1%_0W125_0805_S	Resistor SMD	RS0805	E08567
54	3	C66-C68	22NF_10%_50V_CV_X7R_0603_S	Keramik-Vielschichtk. SMD SMD-	CVS0603	E09566
55	2	C4, C5	22PF_10%_50V_CV_X7R_0805_S	Keramik-Vielschichtk. SMD	CVS0805	E09509
56	2	R95, R96	39K_1%_0603_S	Resistor SMD Chipwiderstand BF	RS0603	E08676
57	9	R7, R126-R133	47K_1%_0W1_0603_S	Resistor SMD	RS0603	E08627
58	3	C17-C19	47PF_10%_50V_CV_X7R_0805_S	Keramik-Vielschichtk. SMD	CVS0805	E09521
59	1	R29	47R_5%_0W1_0805_S	Resistor SMD	RS0805	E08583
60	3	L15-L17	60R100MHZ_S	Inductance Chip Ferrite 60 OHM	LS0805	E08339
61	34	R21-R28, R37-R48, R51, R58, R59	68K_5%_0W1_0805_S	Resistor SMD	RS0805	E08601
*		R60-R68, R109, R114				
62	7	R52-R57, R105	68R_5%_0W1_0805_S	Resistor SMD	RS0805	E08609
63	1	U4	74AHCT08_TSSOP_S	AND Quad 2-Input AND-Gate	TSSOP14	E04575
64	1	U21	74AHC1G02_DCK_S	NOR single NOR-Gate	DCK	E04574
65	1	U38	74AHC1G32_DCK_S	OR SINGLE 2-Input Positive OR-	DCK	E04567
66	1	U3	74AHC08_TSSOP_S	AND Quad 2-Input AND-Gate	TSSOP14	E04550
67	1	U9	74AHC14_TSSOP_S	Inverter Hex Schmitt Inverter	TSSOP14	E04566
68	2	U10, U22	74AHC32_TSSOP_S	OR Quad 2-Input OR-Gate	TSSOP14	E04551
69	1	U28	74AHC541_TSSOP_S	Buffer Octal Buffers/Drivers w	TSSOP20	E04560
70	1	U27	74AHC574_TSSOP_S	Flip-Flop Octal Edge-Triggered	TSSOP20	E04554
71	1	U24	74HCT125_S0_S	Buffer	S014	E04169
72	1	U25	74LVC125A_S0_S	Buffer Quadruple Buffer Gate w	S014	E04564
73	2	L13, L14	85R50MHZ_D	Inductance Chip Ferrite 85 OHM	LD35X65	E08341
74	17	C1, C2, C6, C7, C26-C28, C62, C63	100NF_10%_25V_X7R_CV_0805_S	Keramik-Vielschichtk. SMD 25V/	CVS0805	E09586
*		C69-C71, C73, C75, C88-C90				
75	1	C94	100PF_10%_50V_CV_X7R_0805_S	Keramik-Vielschichtk. SMD	CVS0805	E09525
76	1	R8	100R_1%_0W125_0805_S	Resistor SMD	RS0805	E08580
77	2	CE18, CE19	100UF_20%_10V_CE_TA_7243_S	Tantal-Elektrolytk. SMD BF7343	CTS7243	E09531

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item	qty	references	vendor part number	description	package	internal
78	1	R30	180K_5%_0W1_0805_S	Resistor SMD 180K 5% Widerstan	RS0805	E08582
79	4	C8-C10,C95	220PF_10%_50V_CV_X7R_0805_S	Keramik-Vielschichtk. SMD X7R	CVS0805	E09520
80	1	R6	270R0_1%_0W125_0805_S	Resistor SMD	RS0805	E08559
81	2	C3,C93	470PF_10%_50V_CV_X7R_0805_S	Keramik-Vielschichtk. SMD X7R	CVS0805	E09512
82	3	R72-R74	510R_5%_0W1_0805_S	Resistor SMD	RS0805	E08608
83	3	C83,C85,C86	680PF_10%_50V_CV_X7R_0805_S	Keramik-Vielschichtk.	CVS0805	E09539
84	2	R35,R36	680R_5%_0W1_0805_S	Resistor SMD	RS0805	E08612
85	10	L3-L12	800R200MHZ_0805_S	Inductance	LS0805	E08325
86	1	CE7	1000UF_20%_10V_CE_AL_13X14R_S	Aluminium-Elektrolytk. SMD Ser	CES_UG13X14	E09560

Total Parts Used: 416

Total Parts Cost: 0

do not place:

2	1	U7	AM29F040_90JC_PLCCSS_S	FLASH-EPROM Sockel mit Fuehrun	PLCC32SS	E01163_5
8	1	ST12	FPC10WZ_R100_TC_JAE_MIRROR_S	Flexible Printed Circuits 0.3	FPC10W_52207MLX	E26416
10	1	JP2	FS1X8_L254_D	Flexstrip-Jumper Flexstrip Jum	FS1X8	E14953
22	1	U33	MC78FC30HT1_SOT_S	Voltage Regulator Micropower u	SOT89	E02610
37	3	R13,R19,R134	0R_5%_0W1_0805_S	Resistor SMD 0 Ohm Widerstand	RS0805	E08579
42	1	R119	1R_5%_0W063_0603_S	Resistor SMD 1R 5%	RS0603	E08691

variation „DECT Modul HW86045“:

8	1	ST12	FPC10WZ_R100_TC_JAE_MIRROR_S	Flexible Printed Circuits 0.3	FPC10W_52207MLX	E26416
37	1	R134	0R_5%_0W1_0805_S	Resistor SMD 0 Ohm Widerstand	RS0805	E08579

Project : T20150/0.0 VECTRON Terminal HW90196
Device : ADP90196
PCB : ADP90196
Version : V1.0
E-Nummer: E23320
PCB Date: 29.12.1999

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item	qty	references	vendor part number	description	package	internal
1	3	ST1-ST3	BK_E30860_D	Beruehrkontakte Stiftkontakt	BK_E30860	E30860
2	2	JP1, JP2	FS1X8_L254_D	Flexstrip-Jumper Flexstrip	FS1X8	E14953
3	3	SW1-SW3	SPPW81_610_B2__TYPE_B2_A	Taster Taster stehend	SPPW81_B2	E27104

Total Parts Used: 8
Total Parts Cost: 0

Project : Terminal HW90196/ Printer HW90195
 Device : T17798/HW86020 2,4 GHz
 PCB : HW86020
 Version : 14046100
 E-Nummer: E18332
 PCB Date: 08.11.2000

Bill of Materials

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item	qty	references	description - package	internal
1	1	G2	FRAME (SMALL)	13129700
2	1		COVER (SMALL)	13129800
3	1		PB KIRK/H&W 2,4GHZ MODULE	14046100
4	1	D100	DIODE DUAL BAV70	84111603
5	1	D200	DIODE LS4148	84111614
6	1	D1	DIODE PIN BAR63-03W SOD323	84111917
7	1	D3	DIODE RF BAR80 MW-4	84111918
8	1	D101	DIODE PIN BAR64-03W SOD323	84111922
9	1	D4	DIODE CAP BB639 SOD323	84111925
10	1	D102	DIODE PIN BAR64-05 SOT23	84111926
11	1	D2	Z-DIODE BZM55C5V1 SOD80Q	84134439
12	3	T6, T101, T200	TRANS BC847W SOT323	84161415
13	2	T5, T100	TRANS DIG DTC143X SOT323	84161420
14	1	T4	TRANS BFS520 SOT323	84161514
15	1	T1	TRANS BFP420 SOT343	84161517
16	1	T7	TRANS FM7T17 SOT23	84162422
17	0	T201 (not mounted)	FET MOS PCH IRLML6302 SOT23	84172315
18	1	IC4	IC V-REG 3V LP2980 SOT23-5	84188211
19	1	IC201	IC V-REG 2.5V LP2980 SOT23-5	84188225
20	1	IC203	IC EEPROM 512X8 24C04	84188611
21	1	IC204	IC FLASH 512KX8 29VLV400-55 m prog	14061000
22	1	IC1	IC RADIO RX/TX LMX3162VBH	84189008
23	1	IC2	IC PA 1.9GHZ 2205AF	84189007
24	1	IC200	IC BURST M/VOICE CONT. 40558	84189128
25	1	IC202	IC V-MONITOR 811	84189210
26	7	R2, R4, R23, R27-28, R33-34	RES 10R 1% 0603	84226125
27	5	R9, R15-16, R18, R214	RES 22R 1% 0603	84226133
28	1	R17	RES 47R 1% 0603	84226141
29	2	R10, R30	RES 100R 1% 0603	84226149
30	1	R32	RES 120R 1% 0603	84226151
31	1	R13	RES 150R 1% 0603	84226153
32	1	R7	RES 180R 1% 0603	84226155
33	1	R26	RES 220R 1% 0603	84226157
34	0		RES 470R 1% 0603	84226165
35	3	R6, R25, R101	RES 680R 1% 0603	84226169
36	2	R12, R14	RES 1.0K 1% 0603	84266201
37	1	R21	RES 1.2K 1% 0603	84226203
38	1	R105	RES 1.5K 1% 0603	84226205
39	1	R22	RES 2.2K 1% 0603	84226209
40	2	R11, R19	RES 3.3K 1% 0603	84226213
41	0		RES 3.9K 1% 0603	84226215
42	3	R31, R100, R212	RES 4.7K 1% 0603	84226217

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 Device : T17798/HW86020 2,4 GHz
 PCB : HW86020
 Version : 14046100
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item	qty	references	description - package	internal
43	1	R8	RES 6.8K 1% 0603	84226221
44	16	R5, R102, R201-209, R213, R215-217 R20	RES 10K 1% 0603	84226225
45	2	R1, R24	RES 22K 1% 0603	84226233
46	2	R3, R29	RES 47K 1% 0603	84226241
47	1	R210	RES 100K 1% 0603	84226249
48	1	R211	RES 130K 1% 0603	84226252
49	1	R200	RES 1.0M 1% 0603	84226273
50	1	R103	RES 1.0R 5% 0603	84227101
51	1	C108	CAP X7R 220N 10% 16V 0805	84387844
52	1	C3	CAP C0G 4.7N 5% 25V 0805	84387854
53	1	C4	CAP C0G 1.0N 5% 50V 0805	84388485
54	1	C62	CAP C0G 0.68P ±0.1P 50V 0603	84389047
55	1	C34	CAP C0G 1.2P ±0.25P 50V 0603	84389050
56	2	C7, C72	CAP C0G 1.5P ±0.25P 50V 0603	84389051
57	1	C110	CAP C0G 1.8P ±0.25P 50V 0603	84389052
58	1	C10	CAP C0G 2.2P ±0.25P 50V 0603	84389053
59	1	C22	CAP C0G 2.7P ±0.25P 50V 0603	84389054
60	1	C9	CAP C0G 3.3P ±0.25P 50V 0603	84389055
61	1	C65	CAP C0G 3.9P ±0.25P 50V 0603	84389056
62	2	C16, C27	CAP C0G 4.7P ±0.25P 50V 0603	84389057
63	27	C5, C28, C30-31, C33, C35-36, C38-42 C44, C48-49, C51, C55, C58, C60-61, C63, C70, C100-103, C106	CAP C0G 5.6P ±0.5P 50V 0603	84389058
64	2	C200-201	CAP C0G 8.2P 5% 50V 0603	84389060
65	6	C19, C37, C45, C73, C104-105	CAP C0G 10P 5% 50V 0603	84389061
66	0	(C203)	CAP C0G 12P 5% 50V 0603	84389062
67	2	C1, C29	CAP C0G 22P 5% 50V 0603	84389065
68	4	C8, C18, C24, C46	CAP C0G 33P 5% 50V 0603	84389067
69	2	C32, C43	CAP C0G 47P 5% 50V 0603	84389069
70	1	C25	CAP C0G 68P 5% 50V 0603	84389071
71	2	C17, C67	CAP C0G 100P 5% 50V 0603	84389073
72	1	C15	CAP C0G 330P 5% 50V 0603	84389079
73	1	C50	CAP C0G 680P 5% 50V 0603	84389083
74	5	C12, C47, C52-54	CAP X7R 1.0N 5% 50V 0603	84389113
75	1	C206	CAP X7R 2.2N 10% 50V 0603	84389217
76	6	C57, C216-220	CAP X7R 10N 10% 50V 0603	84389225
77	1	C202	CAP X7R 47N 10% 25V 0603	84389233
78	3	C13-14, C69	CAP X7R 100N 10% 16V 0603	84389237
79	3	C2, C207-208	CAP TA 2.2U 20% 6.3V A	84523416
80	1	C210	CAP TA 10U 20% 6.3V A	84523421
81	1	XTAL200	X-TAL 13.824MHZ SMD	84639107

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82	1	IC3	X-TAL OSC VCO 1222MHZ	84639517
83	1	L7	COIL CHIP 68NH 10% 0805	84644412
84	2	L1-2	COIL CHIP 220NH 10% 0805	84644413
85	1	L4	COIL CHIP 3.3NH 10% 0603	84644436
86	1	L3	COIL CHIP 6.8NH 10% 0603	84644437
87	3	L100-102	COIL CHIP 10NH 10% 0603	84644442
88	3	L10, L12-13	COIL CHIP 2.2NH 10% 0603	84644443
89	1	L5	COIL CHIP 2.7NH 10% 0603	84644447
90	1	L8	COIL CHIP 22NH 10% 0603	84644452
91	2	L6, L9	COIL CHIP 1.8NH±0.3NH 0603	84644460
92	0	L15	COIL CHIP 8.2NH 10% 0603	84644461
93	4	L200-203	FERRITE CHIP 75R 0805	84647028
94	1	FL1	FILTER SAW 110.6MHZ	84667118
95	2	FL2-3	FILTER CER BPF 2.45GHZ	84667120
96	1	J200	CONN FOR PB 2X25 SOCKET BE SMD	84672665
97	1		Transport TRAY	
98	1		Mærkat Slevkl. 8 Hvid	85041064
99		C6, C56, C59, C71, C73-74, C107, C203	NOT Mounted	

Total Parts Used: 193

Total Parts Cost: 0