

TEKCOM CODE NO. : VG329-FRS-1

CUSTOMER MODEL : VG329

ISSUE 4.01 29 May, 2003

POWER : 500mW(ERP)

Function : 14CH,FRS,w/38CTCSS,VOX

CUSTOMER : Virgin

ITEM	PART NO.	DESCRIPTION	QTY	LOCATED
TRANSISTOR				
1	01-2400120-A00	DIODE IN4001	1	D6
2	02-2BAV990-A00	SMT DIODE BAV99	1	D7
3	02-2356010-A00	SMT DIODE 1SS356 (1SS241&1SS314)	3	D1,D3,D4
4	02-25350P0-A00	SMT VARICAP DIODE BB535 (1SS214)	1	D2
5	02-38550SD-A00	SMT TRANSISTOR MPS8550S-D (SSA1197Y&2SA1298Y)	3	Q8,Q18,Q19
6	02-3124EC0-A00	SMT TRANSISTOR DTC124EUA	4	Q7,Q16,Q17,Q21
7	02-31401U0-A00	SMT TRANSISTOR DRF1401	1	Q14
8	02-3409730-A00	SMT TRANSISTOR 2SC4097R	2	Q9,Q11
9	02-3490130-A00	SMT TRANSISTOR 2SC4901YK	8	Q1,Q2,Q3,Q4,Q5 Q6,Q12,Q13
10	02-3FMA5G0-A00	SMT TRANSISTOR FMA5A	2	Q10,Q15
11	02-6103050-A00	SMT LED LAMP GREEN C1030VGC	1	LED2
12	02-6C3D426-A00	SMT LED LAMP BLUE C3D	1	LED1
IC				
1	03-0032411-A00	SMT IC LM324M&DBL324V	2	IC2,IC4
2	03-0207001-A00	SMT IC NJM2070	1	IC3
3	03-5018V01-A00	SMT IC DBL5018V	1	IC7
4	03-6204292-A00	SMT IC XC6204B292MR	1	IC6
5	03-U85672H-A00	SMT IC MCU U8567-TM002H (EMC) (DIE PACKING)	1	IC8
6	03-8825B01-A00	SMT IC SIB8825B01-ROBO 16-TSSOP-0044	1	IC1
7	03-24C0227-A00	SMT IC EEPROM AT24C02N-10SI-2.7 SOP8	1	IC5
CRYSTAL				
1	04-1214208-A00	CRYSTAL FILTER 21.4MHz UM-1 "B"	1	F102
2	04-32952C8-A00	CRYSTAL 20.95MHz UM-1 +/-5PPM	1	X1
3	04-332712Y-A00	CRYSTAL 32.768KHz +/-20PPM 12.5PF D2*6mm	1	X2
4	04-64501NA-A00	CERAMIC FILTER 450KHz +/-4.5KHz CFWM450G	1	F103
5	04-84652PK-A00	SAW FILTER 465.14MHz +/-2.5MHz (HDF465M)	1	F101
INDUCTANCE				
1	05-2000121-S50	IFT A001	1	T100
2	05-3301662-A00	SMT FM COIL 3.0T*D1.6*0.35mm (-)	4	L2,L8,L12,L15
3	05-3401662-A00	SMT FM COIL 4.0T*D1.6*0.35mm (-)	1	L13
4	05-8221006-A00	SMT CHOKE 1608 22nH +/-10% (ELJRE22NJF2)	1	L19
5	05-8225035-A00	SMT CHOKE 2520 2.2uH +/-10% (ELJFC2R2KF)	1	L6

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6	05-A225026-A00	CHIP FERRITE INDUCTOR 1608 2.2uH +/-10% (SDFL1608Q2R2KB)	2	L1,L7
7	05-B101016-A00	CHIP CERAMIC INDUCTOR 1608 10nH +/-5% (SDCL1608C10NJB)	1	L16
8	05-B151016-A00	CHIP CERAMIC INDUCTOR 1608 15nH +/-5% (SDCL1608C15NJB)	1	L9
9	05-B391016-A00	CHIP CERAMIC INDUCTOR 1608 39nH +/-5% (SDCL1608C39NJB)	2	L14,L18
10	05-B471016-A00	CHIP CERAMIC INDUCTOR 1608 47nH +/-5% (SDCL1608C47NJB)	2	L3,L4
11	05-B822016-A00	CHIP CERAMIC INDUCTOR 1608 8.2nH +/-5%	1	L5
RESISTOR PART				
1	06-5102731-A00	CHIP RES 1608 1K OHM 1/10W +/-5%	3	R11,R35,R49
2	06-5152731-A00	CHIP RES 1608 1.5K OHM 1/10W +/-5%	1	R12
3	06-5182731-A00	CHIP RES 1608 1.8K OHM 1/10W +/-5%	1	R6
4	06-5202731-A00	CHIP RES 1608 2K OHM 1/10W +/-5%	2	R57,R91
5	06-5222731-A00	CHIP RES 1608 2.2K OHM 1/10W +/-5%	6	R5,R15,R29,R43,R61 R77
6	06-5272731-A00	CHIP RES 1608 2.7K OHM 1/10W +/-5%	2	R17,R81
7	06-5332731-A00	CHIP RES 1608 3.3K OHM 1/10W +/-5%	2	R108,R151
8	06-5472731-A00	CHIP RES 1608 4.7K OHM 1/10W +/-5%	2	R22,R105
9	06-5512731-A00	CHIP RES 1608 5.1K OHM 1/10W +/-5%	1	R44
10	06-5562731-A00	CHIP RES 1608 5.6K OHM 1/10W +/-5%	2	R28,R85
11	06-5682731-A00	CHIP RES 1608 6.8K OHM 1/10W +/-5%	1	R121
12	06-5752731-A00	CHIP RES 1608 7.5K OHM 1/10W +/-5%	1	R42
13	06-5822731-A00	CHIP RES 1608 8.2K OHM 1/10W +/-5%	4	R34,R40,R87,R150
14	06-5103731-A00	CHIP RES 1608 10K OHM 1/10W +/-5%	13	R14,R19,R24,R25,R82 R83,R89,R126,R129,R130 R133,R144,R152
15	06-5123731-A00	CHIP RES 1608 12K OHM 1/10W +/-5%	3	R1,R3,R50
16	06-5153731-A00	CHIP RES 1608 15K OHM 1/10W +/-5%	3	R38,R45,R86
17	06-5183731-A00	CHIP RES 1608 18K OHM 1/10W +/-5%	1	R131
18	06-5203731-A00	CHIP RES 1608 20K OHM 1/10W +/-5%	1	R76
19	06-5223731-A00	CHIP RES 1608 22K OHM 1/10W +/-5%	2	R21,R112
20	06-5333731-A00	CHIP RES 1608 33K OHM 1/10W +/-5%	2	R31,R100
21	06-5473731-A00	CHIP RES 1608 47K OHM 1/10W +/-5%	15	R10,R18,R33,R84,R134 R135,R136,R137,R138,R139 R140,R141,R142,R143,R146
22	06-5513731-A00	CHIP RES 1608 51K OHM 1/10W +/-5%	3	R103,R109,R113
23	06-5563731-A00	CHIP RES 1608 56K OHM 1/10W +/-5%	2	R101,R155
24	06-5683731-A00	CHIP RES 1608 68K OHM 1/10W +/-5%	2	R23,R94
25	06-5104731-A00	CHIP RES 1608 100K OHM 1/10W +/-5%	6	R41,R92,R93,R123,R132 R145
26	06-5134731-A00	CHIP RES 1608 130K OHM 1/10W +/-5%	3	R114,R128,R154

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27	06-5184731-A00	CHIP RES 1608 180K OHM 1/10W +/-5%	1	R104
28	06-5224731-A00	CHIP RES 1608 220K OHM 1/10W +/-5%	4	R4,R8,R36,R171
29	06-5274731-A00	CHIP RES 1608 270K OHM 1/10W +/-5%	2	R2,R118
30	06-5334731-A00	CHIP RES 1608 330K OHM 1/10W +/-5%	2	R13,R119
31	06-5394731-A00	CHIP RES 1608 390K OHM 1/10W +/-5%	1	R111
32	06-5474731-A00	CHIP RES 1608 470K OHM 1/10W +/-5%	1	R115
33	06-5684731-A00	CHIP RES 1608 680K OHM 1/10W +/-5%	1	R120
34	06-5105731-A00	CHIP RES 1608 1M OHM 1/10W +/-5%	5	R78,R79,R102,R116,R125
35	06-5135731-A00	CHIP RES 1608 1.3M OHM 1/10W +/-5%	1	R117
36	06-5155731-A00	CHIP RES 1608 1.5M OHM 1/10W +/-5%	1	R122
37	06-5225731-A00	CHIP RES 1608 2.2M OHM 1/10W +/-5%	2	R110,R127
38	06-5000731-A00	CHIP RES 1608 0 OHM 1/10W +/-5%	1	R158
39	06-5047731-A00	CHIP RES 1608 4.7 OHM 1/10W +/-5%	2	R107,R153
40	06-5100731-A00	CHIP RES 1608 10 OHM 1/10W +/-5%	1	R124
41	06-5220731-A00	CHIP RES 1608 22 OHM 1/10W +/-5%	3	R39,R46,R88
42	06-5101731-A00	CHIP RES 1608 100 OHM 1/10W +/-5%	4	R16,R26,R27,R62
43	06-5181731-A00	CHIP RES 1608 180 OHM 1/10W +/-5%	5	R32,R60,R147,R148,R149
44	06-5221731-A00	CHIP RES 1608 220 OHM 1/10W +/-5%	1	R30
45	06-5271731-A00	CHIP RES 1608 270 OHM 1/10W +/-5%	1	R20
46	06-5391731-A00	CHIP RES 1608 390 OHM 1/10W +/-5%	1	R51
47	06-5471731-A00	CHIP RES 1608 470 OHM 1/10W +/-5%	2	R37,R156
48	06-5561731-A00	CHIP RES 1608 560 OHM 1/10W +/-5%	1	R9
49	06-A103117-A00	CHIP SEMI-FIXED 10K EVM3YSX50B14	1	VR1
50	06-C101082-A00	CHIP NTC THERMISTOR 100 OHM +/-3% (1608101H3250)	1	RT1

CAPACITOR PART

1	07-5005601-A00	CHIP CAP 1608 0.5PF 50V +/-0.25PF NPO	1	C88
2	07-5015601-A00	CHIP CAP 1608 1.5PF 50V +/-0.25PF NPO	1	C136
3	07-5020601-A00	CHIP CAP 1608 2PF 50V +/-0.25PF NPO	1	C13
4	07-5030601-A00	CHIP CAP 1608 3PF 50V +/-0.25PF NPO	6	C14,C17,C20,C25,C42 C50
5	07-5050601-A00	CHIP CAP 1608 5PF 50V +/-0.25PF NPO	3	C46,C64,C66
6	07-5060601-A00	CHIP CAP 1608 6PF 50V +/-0.25PF NPO	4	C6,C44,C52,C65
7	07-5070601-A00	CHIP CAP 1608 7PF 50V +/-0.25PF NPO	2	C21,C87
8	07-5080601-A00	CHIP CAP 1608 8PF 50V +/-0.25PF NPO	4	C4,C51,C62,C121
9	07-5090601-A00	CHIP CAP 1608 9PF 50V +/-0.25PF NPO	1	C26
10	07-5100601-A00	CHIP CAP 1608 10PF 50V +/-0.25PF NPO	1	C37
11	07-5120631-A00	CHIP CAP 1608 12PF 50V +/-5% NPO	1	C47
12	07-5150631-A00	CHIP CAP 1608 15PF 50V +/-5% NPO	3	C19,C77,C78
13	07-5200631-A00	CHIP CAP 1608 20PF 50V +/-5% NPO	1	C85

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14	07-5270631-A00	CHIP CAP 1608 27PF 50V +/-5% NPO	1	C15
15	07-5300631-A00	CHIP CAP 1608 30PF 50V +/-5% NPO	1	C86
16	07-5330631-A00	CHIP CAP 1608 33PF 50V +/-5% NPO	1	C41
17	07-5560631-A00	CHIP CAP 1608 56PF 50V +/-5% NPO	2	C81,C104
18	07-5101631-A00	CHIP CAP 1608 100PF 50V +/-5% NPO	1	C30
19	07-5221661-A00	CHIP CAP 1608 220PF 50V +/-10% X7R	4	C28,C45,C54,C74
20	07-5331661-A00	CHIP CAP 1608 330PF 50V +/-10% X7R	2	C24,C115
21	07-5391661-A00	CHIP CAP 1608 390PF 50V +/-10% X7R	2	C101,C111
22	07-5471661-A00	CHIP CAP 1608 470PF 50V +/-10% X7R	4	C18,C36,C68,C118
23	07-5561661-A00	CHIP CAP 1608 560PF 50V +/-10% X7R	1	C113
24	07-5102661-A00	CHIP CAP 1608 1000PF 50V +/-10% X7R	21	C10,C12,C16,C27,C29 C31,C34,C39,C55,C56 C98,C107,C124,C125,C128 C129,C130,C134,C141,C149 C159
25	07-5103671-A00	CHIP CAP 1608 0.01UF 50V +/-10% X7R	9	C48,C49,C61,C76,C103 C105,C126,C127,C146
26	07-5104681-A00	CHIP CAP 1608 0.1UF 50V +80-20% Y5V	21	C7,C11,C22,C35,C60 C63,C69,C70,C71,C72 C73,C79,C84,C91,C93 C106,C108,C114 ,C131,C133 C147
27	07-5105281-A00	CHIP CAP 1608 1UF 10V +80-20% Y5V	3	C53,C57,C99
28	07-5152651-A00	CHIP CAP 1608 1500PF 50V +/-10% X7R	2	C5,C100
29	07-5182651-A00	CHIP CAP 1608 1800PF 50V +/-10% X7R	1	C8
30	07-5222651-A00	CHIP CAP 1608 2200PF 50V +/-10% X7R	4	C116,C117,C142,C160
31	07-5223451-A00	CHIP CAP 1608 0.022UF 25V +/-10% X7R	4	C92,C112,C132,C144
32	07-5272651-A00	CHIP CAP 1608 2700PF 50V +/-10% X7R	1	C145
33	07-5333661-A00	CHIP CAP 1608 0.033UF 50V +/-10% X7R	1	C109
34	07-5392651-A00	CHIP CAP 1608 0.0039UF 50V +/-10% X7R	1	C110
35	07-5393651-A00	CHIP CAP 1608 0.039UF 50V +/-10% X7R	1	C9
36	07-5472651-A00	CHIP CAP 1608 0.0047UF 50V +/-10% X7R	4	C67,C82,C119,C120
37	07-5473361-A00	CHIP CAP 1608 0.047UF 16V +/-10% X7R	3	C40,C75,C148
38	07-5563461-A00	CHIP CAP 1608 0.056UF 25V +/-10% X7R	1	C102
39	07-410644C-A00	ELECT CAP 10UF 25V +/-10% D4*5mm	2	C83,C123
40	07-410734E-A00	ELECT CAP 100UF 16V +/-20% D6*5mm	4	C58,C59,C80,C122
41	07-9100412-A00	SMT TRIMMER ELE CAP 10PF (CTZ3S-10A-PF)	1	VC1
42	07-C2206E1-A00	SMT CERAMIC CAP(UJ) 1608 22PF 50V +/-5%	1	C89
43	07-C5606E1-A00	SMT CERAMIC CAP(UJ) 1608 56PF 50V +/-5%	1	C23

CONNECTOR PART

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ITEM	PART NO.	DESCRIPTION	QTY	LOCATED
1	08-12T0132-A00	D2.5mm STEREO EARPHONE JACK (ST-013)	1	J1
2	08-50563A5-A00	PVC WIRE 30# RED/BLACK 56mm (3+3)	1	MIC+/MIC-
3	08-50713B5-A00	PVC WIRE 30# BLUE/BLACK 71mm (3+3)	1	SP+/SP-
4	08-3E64B66-A00	2*7PINS 1.27 SMD HEADER PFC212-0702B03	1	
5	08-3E64M66-A00	2*7PINS 1.27 SMD FEMALE HEADER SEC202-0702E01	1	
6	08-A202513-A00	SILICONE INTERCONNECTION "SS" PITCH : 0.18mm 20.2*2.5*1.5mm	1	
METAL PARTS				
1	30-102806J-A00	SCREW M2.0*8.0mm PB (BLACK)	4	
2	34-VG329A1-A00	ANTENNA SPRING	1	
3	35-3V29L11-A00	LCD MOUNTING PLATE (STEEL+NI)	1	
4	34-18706AB-A00	BATTERY CONTACT SPRING (A) (SPRING STEEL)	1	
5	34-18706BB-A00	BATTERY CONTACT SPRING (B) (SPRING STEEL)	1	
6	34-09106NB-A00	NEGATIVE POWER CONTACT SPRING (SPRING STEEL)	1	
7	34-09101PB-A00	POSITIVE POWER CONTACT SPRING (SPRING STEEL)	1	
8	35-7199V18-A00	VCO SHIELD CASE (Ni)	1	
9	36-AD51815-A00	METAL DOME D-5-RNW-180	7	
PLASTIC ACCESSORIES				
1	40-1V29F19-A00	FRONT HOUSING (PC) (Sony Ericsson Silver)	1	
2	40-1V29B19-A00	BACK HOUSING (PC) (Sony Ericsson Silver)	1	
3	40-2V29B19-A00	BATTERY CASE (PC) (Sony Ericsson Silver)	1	
4	40-3V29R19-A00	PANEL-R (PC) (Cool Grey 7C)	1	
5	40-3V29L19-A00	PANEL-L (PC) (Cool Grey 7C)	1	
6	40-0V29D19-A00	DECORATIVE PANEL (PC) (Matte Silver Spraying)	1	
7	40-0V29M12-A00	MIC/SP RUBBER CAP (Silicone) (Cool Grey 4C)	1	
8	40-AV29D12-A00	UP/DOWN KEY (Silicone) (Cool Grey 4C)	1	
9	40-AV29P12-A00	PTT/MONI KEY (Silicone) (Cool Grey 4C)	1	
10	40-AV29K19-A00	KEYBOARD (PC) (Matte Silver Spraying)	1	
11	40-AV29M19-A00	MENU KEY (PC) (Matte Silver Spraying)	1	
12	40-6V29L06-A00	LENS (PMMA) (Black C / Purple 269C)	1	
13	44-6V29L06-A00	LCD BACK LIGHT PLATE (PMMA)	1	
14	40-0V29L16-A00	LED CAP (PMMA) (Translucent)	1	
15	40-7V29A17-A00	ANTENNA RUBBER DUCK SLEEVE (PU) (Cool Grey 7C)	1	
16	40-8V29B19-A00	BELT CLIP (PC) (Sony Ericsson Silver)	1	
17	44-7250002-A00	FELT D=25mm	1	FOR SPEAKER
18	44-804019G-A00	RUBBER PAD D4.0*H1.9mm	2	

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PACK PART				
1	60-1VG3291-A00	CARTON	0.05	
2	60-7V329T1-A00	CLAMSHELL TOP	0.5	
3	60-7V329B1-A00	CLAMSHELL BOTTOM	0.5	
4	60-AV329C1-A00	CLAMSHELL WRAP	0.5	
5	63-1VG3291-A00	INSTRUCTION BOOKLET	0.5	
6	63-0V329Q1-A00	QUICK START MANUAL	0.5	
7	63-0V329P1-A00	VIRGIN PULSE BRANDING PIECE	0.5	
8	63-2VG3291-A00	WARRANTY CARD	1	
9	64-1VG3291-A00	RATING LABEL	1	
10	64-0V329C1-A00	CHECK POINT LABEL	0.5	FOR Clamshell Wrap
11	64-0V329U1-A00	UPC CODE LABEL	0.05	FOR Carton
PCB PART				
1	13-VG329C1-A00	CPU PCB	1	
2	13-VG329R1-A00	RF PCB	1	
3	13-VG329K1-A00	KEY PCB	3	
OTHER PART				
1	11-28C2A21-A00	MYLAR SPEAKER 28MM 8 ohm 0.2W HTSX284-8 Ω	1	SP
2	14-VG32901-A00	LCD DISPLAY	1	LCD
3	16-EM6A600-A00	CONDENSER MIC EM-6A (-66+/-2dB)	1	MIC
4	69-VG329AB-A00	ARM BAND	1	