

## **7 PARTS LIST**

Bill of materials GSM Radio & display assy cs710c	code: 2-000100267
Bill of materials BB Globalstar & GSM assy cs680b	code: 2-000100256
Bill of materials Radio GS assy cs661c	code: 2-000100257
Bill of materials Optical Sensor cs760	code: 2-000100201

TELITAL SpA		ESPLOSIONE CON RIFERIMENTI SCHEMA			(da ATBTel30)		PAG. 1		
							Data creazione distinta 22/02/99		
Data di stampa 29/03/99							Data ultima modifica 22/02/99		
Data di validita' 29/03/99							Revisione	Validita'	
Liv.	Cv	Codice Telital	Descrizione			C.Costrut./Nr.Disegno	Um	Quantita' Riferimento schema	PdM
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Assieme	01	2000100267	MODULO RADIO&DISP GSM CS710C VERS 22.02.99					Nr.progetto: 0080	
1	01	2000400267	MODULO RADIO&DISP GSM CS710C VERS 22.02.99 LATO PTH				PZ	1,00000 rif. dis. 1	
.2	01	2000200267	MODULO RADIO&DISP GSM CS710C VERS 22.02.99 LATO PRIM SMD				PZ	1,00000 rif. dis. 1	
.3	01	2000300267	MODULO RADIO&DISP GSM CS710C VERS 22.02.99 LATO SEC SMD				PZ	1,00000 rif. dis. 1	
...4	01	1ff0100710c	BASETTA C/S RADIO & DISP GSM VERS 22.02.99				PZ	1,00000 rif. dis. 1	
...4	01	1vv0200268fpe	ETICHETTA ACRILATO BIANCO H6 L20 3 PISTE			TT.26.0002	PZ	1,00000 rif. dis. 2	
...4	01	1ff0600089ml	CONN F CSTP 50 VIE VERT SMD P-0.5			52991-0508	PZ	1,00000 SO4	
...4	01	1ff0600129ml	CONN F CSTP 40 VIE VERT SMD P-0.5			52991-0408	PZ	1,00000 SO3	
..3	01	1aa0100106ky	RES SMD 0 OHM JUMPER1/16W 0603			CJ10-000-D	PZ	1,00000 R1	
..3	01	1aa0100111ky	RES SMD 33 R 5% 1/16W 0603			CR10-330J-T	PZ	1,00000 R30	
..3	01	1aa0100113ky	RES SMD 100 R 5% 1/16W 0603			CR10-101J-T	PZ	4,00000 R66 R67 R69 R70	
..3	01	1aa0100203ky	RES SMD 56 R 5% 1/10W 0805			CR21-560J-T	PZ	1,00000 R71	
..3	01	1aa0100361ky	RES SMD 10 R 5% 1/16W 0402			CR05-100J-H	PZ	13,00000 R5 R18 R25 R26 R29 R37 R42 R46 R47 R48	
									R55 R58 R60
..3	01	1aa0100362ky	RES SMD 22 R 5% 1/16W 0402			CR05-220J-H	PZ	3,00000 R31 R36 R59	
..3	01	1aa0100364ky	RES SMD 33 R 5% 1/16W 0402			CR05-330J-H	PZ	2,00000 R45 R93	
..3	01	1aa0100365ky	RES SMD 47 R 5% 1/16W 0402			CR05-470J-H	PZ	1,00000 R20	
..3	01	1aa0100370ky	RES SMD 220 R 5% 1/16W 0402			CR05-221J-H	PZ	3,00000 R33 R49 R62	
..3	01	1aa0100373ky	RES SMD 560 R 5% 1/16W 0402			CR05-561J-H	PZ	2,00000 R12 R77	
..3	01	1aa0100374ky	RES SMD 1 K 5% 1/16W 0402			CR05-102J-H	PZ	6,00000 R8 R35 R38 R39 R94 R157	
..3	01	1aa0100375ky	RES SMD 1.8 K 5% 1/16W 0402			CR05-182J-H	PZ	4,00000 R51 R52 R53 R54	
..3	01	1aa0100376ky	RES SMD 2.7 K 5% 1/16W 0402			CR05-272J-H	PZ	1,00000 R65	
..3	01	1aa0100377ky	RES SMD 4.7 K 5% 1/16W 0402			CR05-472J-H	PZ	2,00000 R14 R24	
..3	01	1aa0100378ky	RES SMD 5.6 K 5% 1/16W 0402			CR05-562J-H	PZ	3,00000 R11 R23 R44	
..3	01	1aa0100379ky	RES SMD 6.8 K 5% 1/16W 0402			CR05-682J-H	PZ	1,00000 R2	
..3	01	1aa0100380ky	RES SMD 10 K 5% 1/16W 0402			CR05-103J-H	PZ	4,00000 R21 R57 R78 R79	
..3	01	1aa0100382ky	RES SMD 15 K 5% 1/16W 0402			CR05-153J-H	PZ	1,00000 R27	
..3	01	1aa0100388ky	RES SMD 47 K 5% 1/16W 0402			CR05-473J-H	PZ	2,00000 R4 R80	

TELITAL SpA			ESPLOSIONE CON RIFERIMENTI SCHEMA			(da ATBTel30)			PAG. 2			
									Data creazione distinta 22/02/99			
Data di stampa 29/03/99									Data ultima modifica 22/02/99			
Data di validita' 29/03/99									Revisione Validita'			
Liv.	Cv	Codice Telital	Descrizione			C.Costrut./Nr.Disegno			Um	Quantita'	Riferimento schema	PdM
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Assieme	01	2000100267	MODULO RADIO&DISP GSM CS710C VERS 22.02.99						Nr.progetto: 0080			
..3	01	1aa0100390ky	RES SMD 100	K	5% 1/16W 0402	CR05-104J-H			PZ	3,00000	R9 R10 R17	
..3	01	1aa0100394ky	RES SMD 470	K	5% 1/16W 0402	CR05-474J-H			PZ	1,00000	R16	
..3	01	1aa0100395ky	RES SMD 560	K	5% 1/16W 0402	CR05-564J-H			PZ	1,00000	R15	
..3	01	1aa0100398ky	RES SMD 100	R	5% 1/16W 0402	CR05-101J-H			PZ	3,00000	R3 R89 R90	
..3	01	1aa0100400ky	RES SMD	3.9	K 5% 1/16W 0402	CR05-392J-H			PZ	4,00000	R6 R61 R63 R76	
..3	01	1aa0100406ky	RES SMD	8.2	K 5% 1/16W 0402	CR05-822J-H			PZ	1,00000	R22	
..3	01	1aa0100407ky	RES SMD	0 OHM JUMPER1/16W 0402	CJ05-000J-H			PZ	10,00000	R28 R34 R40 R41 R56 R68 R73 R74 R75 R96		
..3	01	1aa0100432ky	RES SMD	20.0	K 1% 1/16W 0603	CR10-2002F-T			PZ	1,00000	R13	
..3	01	1aa0100462ky	RES SMD	39.0	K 1% 1/16W 0603	CR10-3902F-T			PZ	1,00000	R166	
..3	01	1aa0100463ky	RES SMD	47.0	K 1% 1/16W 0603	CR10-4702F-T			PZ	1,00000	R19	
..3	01	1aa0100465ky	RES SMD	2.2	K 5% 1/16W 0402	CR05-222J-H			PZ	1,00000	R7	
..3	01	1aa0100485ky	RES SMD	82	R 5% 1/16W 0402	CR05-820J-H			PZ	1,00000	R91	
..3	01	1aa0100555ky	RES SMD	390	K 5% 1/16W 0603	CR10-394J-T			PZ	1,00000	R43	
..3	01	1aa0100556ky	RES SMD	680	K 5% 1/16W 0603	CR10-684J-T			PZ	1,00000	R72	
..3	01	1bb0100072av	COND CER SMD	39	pF COG 0603	5%	50V	06035A390JAT4A	PZ	1,00000	C180	
..3	01	1bb0100083ky	COND CER SMD	10	nF X7R 0603	10%	50V	CM105X7R103K50AL	PZ	2,00000	C161 C169	
..3	01	1bb0100084ky	COND CER SMD	22	nF X7R 0603	10%	25V	CM105X7R223K25AL	PZ	1,00000	C64	
..3	01	1bb0100117av	COND CER SMD	12	pF COG 0603	5%	50V	06035A120JAT2L	PZ	1,00000	C182	
..3	01	1bb0100166ky	COND CER SMD	100	nF X7R 0805	10%	25V	CM21X7R104K25AT	PZ	1,00000	C179	
..3	01	1bb0100185av	COND CER SMD	100	nF Y5V 0603	20%	16V	0603YG104MAT2L	PZ	2,00000	C170 C193	
..3	01	1bb0100188ky	COND CER SMD	1.5	pF COG 0402	+-0.25	pF 50V	CM05CG1R5C50AH	PZ	2,00000	C10 C138	
..3	01	1bb0100190ky	COND CER SMD	10	pF COG 0402	+-0.5	pF 50V	CM05CG100D50AH	PZ	6,00000	C95 C97 C105 C106 C140 C189	
..3	01	1bb0100192ky	COND CER SMD	22	pF COG 0402	5%	50V	CM05CG220J50AH	PZ	64,00000	C6 C11 C13 C14 C16 C17 C18 C19 C21 C35	
											C45 C46 C49 C54 C55 C57 C58 C59 C65 C66	
											C69 C70 C71 C72 C73 C74 C75 C76 C77 C82	
											C83 C84 C85 C93 C96 C98 C99 C104 C108	
											C110 C111 C114 C115 C120 C121 C122 C123	



TELITAL SpA		ESPLOSIONE CON RIFERIMENTI SCHEMA				(da ATBTel30)		PAG. 4		
Data di stampa 29/03/99								Data creazione distinta 22/02/99		
Data di validita' 29/03/99								Data ultima modifica 22/02/99		
								Revisione	Validita'	
Liv.	Cv	Codice Telital	Descrizione				C.Costrut./Nr.Disegno	Um	Quantita' Riferimento schema	PdM
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Assieme	01	2000100267	MODULO RADIO&DISP GSM CS710C VERS 22.02.99				Nr.progetto: 0080			
..3	01	1bb0100260ky	COND CER SMD	3.3nF COG	0805	5%	25V	CM21CG332J25AT	PZ	1,00000 C40
..3	01	1bb0100266ky	COND CER SMD	4.7uF X5R	1206	10%	10V	CM316X5R475K10AT	PZ	1,00000 C177
..3	01	1bb0100297ky	COND CER SMD	220 pF COG	0402	5%	25V	CM05CG221J25VAH	PZ	1,00000 C50
..3	01	1bb0500011ky	COND TANT SMD	2.2 uF	10V 20% Asize	TAJA225M010S		PZ	11,00000	C15 C147 C149 C150 C151 C153 C154 C155 C157 C158 C159
..3	01	1bb0500051ky	COND TANT SMD	10 uF	10V 20% Asize	TAJA106M010R		PZ	7,00000	C32 C33 C34 C143 C145 C146 C156
..3	01	1bb0500060ky	COND TANT SMD	1.0 uF	16V 20% Asize	TAJA105M016R		PZ	1,00000	C173
..3	01	1bb0500075av	COND TANT SMD	100 uF	6.3V 20% Csize	TPS-C107M006R0150		PZ	4,00000	C160 C162 C163 C198
..3	01	1bb0500078ky	COND TANT SMD	3.3 uF	10V 20% Asize	TAJA335M010R		PZ	2,00000	C175 C176
..3	01	1cc0100045td	INDUT SMD	2.2 uH	10% Qmin30	30mA MLF2012A2R2KL		PZ	1,00000	CH10
..3	01	1cc0100060td	INDUT SMD	5.6 nH	+-0.5nH	Qmin 8 500mA MLR1608M5N6DT		PZ	1,00000	CH14
..3	01	1cc0100061td	INDUT SMD	6.8 nH	+-0.5nH	Qmin 8 500mA MLR1608M6N8DT		PZ	2,00000	CH1 CH5
..3	01	1cc0100063td	INDUT SMD	10 nH	10% Qmin 8	300mA MLR1608M10NKT		PZ	9,00000	CH3 CH9 CH11 CH16 CH18 CH23 CH30 CH31 CH35
..3	01	1cc0100065td	INDUT SMD	15 nH	10% Qmin 8	300mA MLR1608M15NKT		PZ	1,00000	CH24
..3	01	1cc0100068td	INDUT SMD	4.7 nH	+-0.3nH	Qmin 8 500mA MLR1608M4N7ST		PZ	1,00000	CH15
..3	01	1cc0100074td	INDUT SMD	27 nH	10% Qmin 8	300mA MLR1608M27NKT		PZ	1,00000	CH32
..3	01	1cc0100090td	INDUT SMD	2.2 nH	+-0.3nH	Qmin 8 500mA MLR1608M2N2ST		PZ	2,00000	CH4 CH29
..3	01	1cc0100128mu	INDUT SMD	EMI SUPPRESSOR		0.85 R 100mA		BLM11B102SPT	PZ	1,00000 CH17
..3	01	1cc0100134td	INDUT SMD	18 nH	10% Qmin 8	300mA MLR1608M18NKT		PZ	1,00000	CH34
..3	01	1cc0100137td	INDUT SMD	2.2 uH	20% Qref5	340mA NLFC322522T-2R2M		PZ	2,00000	CH7 CH8
..3	01	1cc0100144co	INDUT SMD	47 nH	5% Qmin60	500mA SIZE 0805		0805HS-470TJBC	PZ	3,00000 L1 L2 L3
..3	01	1cc0100146co	INDUT SMD	68 nH	5% Qmin60	500mA SIZE 0805		0805HS-680TJBC	PZ	1,00000 L4
..3	01	1dd0100118na	CI ANALOG M08A 400 mW AUDIO			POWER AMPLIFIER		LM4862MX	PZ	1,00000 U14
..3	01	1dd0100131na	CI ANALOG MA05A			MK L02A ULTRA LOW-DROPOUT VOLTAGE REG		LP2980AIM5X-3.0	PZ	4,00000 U4 U7 U9 U10
..3	01	1dd0100133si	CI ANALOG P-TQFP-48-1			GSM/PNC/PCS-RECEIVER		PMB2409 V1.1	PZ	1,00000 U3
..3	01	1dd0100134si	CI ANALOG P-TQFP-48			GSM PCN TRANSMITTER FOR COMM		PMB2240 V1.6	PZ	1,00000 U1

TELITAL SpA			ESPLOSIONE CON RIFERIMENTI SCHEMA		(da ATBTel30)		PAG. 5		
							Data creazione distinta 22/02/99		
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Data di validita' 29/03/99							Revisione	Validita'	
Liv.	Cv	Codice Telital	Descrizione		C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema	PdM
<hr/>									
Assieme	01	2000100267	MODULO RADIO&DISP GSM CS710C VERS 22.02.99				Nr.progetto: 0080		
..3	01	1dd0100145sg	CI ANALOG TS922IDT SO8 RAIL-TO-RAIL DUAL OPERAT AMPL		TS922IDT	PZ	1,00000	U8	
..3	00	1dd0100150to	CI ANALOG TC7S66FU-TE85L USV SINGLE ANALOG SWITCH		TC7S66FU-TE85L	PZ	1,00000	U28	
..3	01	1dd0100158ph	CI ANALOG UMA1021M/C2 LOW-VOLT FREQ SINTHES. SSOP20		UMA1021M/C2	PZ	1,00000	U5	
..3	01	1dd0100204na	CI ANALOG LP2985 5V MA05B 150 mA ULTRA LOW-DROPOUT REGULATOR		LP2985AIM5X-5.0	PZ	1,00000	U13	2444
..3	01	1dd0500022hc	MODULO RF PF01412A 890-915MHz RF-K SMD V/DD MAX10V Pout 4.5W		PF01412A-TB	PZ	1,00000	U2	
..3	01	1ff0400034smk	CONN RF COASSIALE F DA C/S SMD SERIE TC-3 (3GHz)		CRS5001-0801	PZ	2,00000	SO1 SO2	
..3	01	1ff0600141lcc	CONN F CSTP 2 VIE VERT SMD P-1.27 46NYLON		24-8005-002-100-867	PZ	1,00000	SO6	
..3	01	1kk0400010str	BUZZER MAGNETICO SMD 3 V		MUT-03A	PZ	1,00000	BZ1	
..3	01	1110500017si	FILTRO SAW TX LOW-LOSS BF677 DCC6 890-915MHz SMD GSM		B39901-B4677-Z610	PZ	1,00000	FC1	
..3	01	1110500019si	FILTRO SAW IF LOW-LOSS B4818 QCC12B 246MHz SMD GSM		B39251-B4818-Z910	PZ	1,00000	FC3	
..3	01	1110500025si	FILTRO SAW RX LOW-LOSS 947.5 MHz		B39951-B4678-Z810	PZ	1,00000	FC5	
..3	01	1111000004hc	DUPLEXER SAW TX902.5MHz/RX947 .5MHz BW 2.5MHz SMD GSM		HWYN201	PZ	1,00000	FC2	
..3	01	1111200003hc	ACCOPIATORE DIREZIONAL RF SMD 800-1000MHZ STH		STH-90SM	PZ	1,00000	Z1	
..3	01	1mm0300018ky	MODULO VCO 492MHz SMD 2.6V		VK-120R0492A1	PZ	1,00000	Y2	
..3	01	1mm0300019ky	MODULO VCTCXO KT12 13.0MHz SMD 2.85V		KT12-EET28V-13.000M-TA	PZ	1,00000	X1	
..3	01	1mm0300021ky	MODULO VCO 1136-1206MHz SMD 2.6V YK-501R1171A3W		YK-501R1171A3W	PZ	1,00000	Y1	
..3	01	1nn0100037si	TRANS NPN BFP420 SOT343		Q62702-F1591	PZ	1,00000	Q2	
..3	01	1nn0100048ph	TRANS NPN BC847BW SOT323 45V 100mA		BC847BW	PZ	1,00000	Q4	
..3	01	1nn0200017si	TRANS PNP+NPN BCR08PN SOT363 MK WFs 50V 0.1A		Q62702-C2486	PZ	3,00000	Q1 Q8 Q10	
..3	01	1nn0200023si	TRANS PNP SMBT2907 SOT23 40V 600mA 330mW		Q68000-A6501	PZ	1,00000	Q3	
..3	01	1nnqf27500si	TRANS GASFET CF750 SOT143 MK MXMMIC 8v 0.08A		Q62702-F1391	PZ	1,00000	U6	
..3	01	1pp0100038ctd	DIODO LED GIALLO VERDE SMD CL-220YG-C D-TS		CL-220YG-CD-TS	PZ	6,00000	DL1 DL2 DL3 DL4 DL5 DL6	
..3	01	1pp0100039si	DIODO LED ROSSO LS T670-HK P-LCC-2 2.5/12.5mcd/10mA 635nm		Q62703Q2309	PZ	1,00000	DL7	
..3	01	1yy0300019tmc	DIODO SEGN MCL4148 MICRO-MELF VR/75V FC 0.2A 0.5W		MCL4148TR	PZ	2,00000	D4 D5	
..3	01	1yy0700002si	DIODO SCHOT BAT62-03W SOD323 MK 40V		Q62702-A1028	PZ	2,00000	D1 D2	
..3	01	1xxzz99002	COMPONENTE DA NON MONTARE			PZ	11,00000	C184 C22 C53 C87 C102 C41 C194 R99 CH2	
								CH6 CH19	



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Data di validita' 29/03/99							Revisione Validita'		
Liv.	Cv	Codice Telital	Descrizione		C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema	PdM
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Assieme	01	2000100256	MODULO BB G* & BB GSM	CS680B VERS 20.01.99			Nr.progetto: 0080		
1	01	2000400256	MODULO BB G* & BB GSM	CS680B VERS 20.01.99 LATO PTH		PZ	1,00000	rif. dis. 1	
.2	01	2000200256	MODULO BB G* & BB GSM	CS680B VERS 20.01.99 LATO PRIM SMD		PZ	1,00000	rif. dis. 1	
...3	01	2000300256	MODULO BB G* & BB GSM	CS680B VERS 20.01.99 LATO SEC SMD		PZ	1,00000	rif. dis. 1	
...4	01	1ff0100680b	BASETTA C/S BB G* & BB GSM	VERS 20.01.99		PZ	1,00000	rif. dis. 1	
...4	01	1vv0200268fpe	ETICHETTA ACRILATO BIANCO	H6 L20 3 PISTE	TT.26.0002	PZ	1,00000	rif. dis. 2	
...4	01	1aa0100106ky	RES SMD 0 OHM JUMPER1/16W 0603		CJ10-000-D	PZ	1,00000	R52	
...4	01	1aa0100139ky	RES SMD 15 K 5% 1/16W 0603		CR10-153J-D	PZ	1,00000	R65	
...4	01	1aa0100374ky	RES SMD 1 K 5% 1/16W 0402		CR05-102J-H	PZ	1,00000	R59	
...4	01	1aa0100377ky	RES SMD 4.7 K 5% 1/16W 0402		CR05-472J-H	PZ	1,00000	R10	
...4	01	1aa0100380ky	RES SMD 10 K 5% 1/16W 0402		CR05-103J-H	PZ	2,00000	R162 R163	
...4	01	1aa0100382ky	RES SMD 15 K 5% 1/16W 0402		CR05-153J-H	PZ	1,00000	R105	
...4	01	1aa0100384ky	RES SMD 22 K 5% 1/16W 0402		CR05-223J-H	PZ	3,00000	R85 R139 R566	
...4	01	1aa0100385ky	RES SMD 27 K 5% 1/16W 0402		CR05-273J-H	PZ	5,00000	R12 R33 R72 R106 R157	
...4	01	1aa0100388ky	RES SMD 47 K 5% 1/16W 0402		CR05-473J-H	PZ	2,00000	R107 R108	
...4	01	1aa0100390ky	RES SMD 100 K 5% 1/16W 0402		CR05-104J-H	PZ	8,00000	R57 R93 R99 R100 R110 R111 R114 R121	
...4	01	1aa0100398ky	RES SMD 100 R 5% 1/16W 0402		CR05-101J-H	PZ	21,00000	R7 R24 R48 R60 R61 R62 R63 R64 R66 R67	
								R70 R71 R74 R75 R76 R77 R78 R79 R125	
								R127 R502	
...4	01	1aa0100406ky	RES SMD 8.2 K 5% 1/16W 0402		CR05-822J-H	PZ	2,00000	R8 R164	
...4	01	1aa0100454ky	RES SMD 56 K 5% 1/16W 0402		CR05-563J-H	PZ	1,00000	R101	
...4	01	1aa0100470ky	RES SMD 20.5 K0.5% 1/10W 0805		CR21-2052D-T	PZ	1,00000	R19	
...4	01	1aa0100471ky	RES SMD 33.2 K0.5% 1/10W 0805		CR21-3322D-T	PZ	1,00000	R53	
...4	01	1aa0100472ky	RES SMD 6.49K0.5% 1/10W 0805		CR21-6491D-T	PZ	1,00000	R102	
...4	01	1aa0100473ky	RES SMD 10.0 K0.5% 1/10W 0805		CR21-1002D-T	PZ	2,00000	R68 R103	
...4	01	1aa0100475ky	RES SMD 11.0 K0.5% 1/10W 0805		CR21-1102D-T	PZ	1,00000	R14	
...4	01	1aa0800006av	VARISTORE SMD 3.6 VDC		VC060303A100T	PZ	3,00000	VC19 VC20 VC21	
...4	01	1aafw73212av	FUSIB SMD 2 A 32V 1206		F1206A2R00FWTR	PZ	1,00000	F1	



TELITAL SpA		ESPLOSIONE CON RIFERIMENTI SCHEMA					(da ATBT30)		PAG. 2				
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Liv.	Cv	Codice Telital	Descrizione					C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema	PdM	
-----													
Assieme	01	2000100256	MODULO BB G* & BB GSM CS680B VERS 20.01.99					Nr.progetto: 0080					
...	4	01 1bb0100084ky	COND CER SMD	22	nF X7R	0603	10%	25V	CM105X7R223K25AL	PZ	1,00000	C613	
...	4	01 1bb0100194ky	COND CER SMD	33	pF COG	0402	5%	50V	CM05CG330J50AH	PZ	28,00000	C43 C56 C63 C576 C577 C578 C579 C580 C581 C582 C583 C584 C585 C586 C587 C588 C589 C590 C593 C594 C595 C596 C601 C602 C603 C604 C605 C606	
...	4	01 1bb0100203ky	COND CER SMD	3.3nF	X7R	0402	10%	50V	CM05X7R332K50AH	PZ	2,00000	C24 C141	
...	4	01 1bb0100208ky	COND CER SMD	100	nF X7R	0603	10%	16V	CM105X7R104K16AT	PZ	17,00000	C8 C9 C10 C13 C15 C20 C21 C30 C33 C39 C41 C42 C45 C47 C52 C57 C143	
...	4	01 1bb0100228ky	COND CER SMD	100	nF Y5V	0402	-20+80%	16V	CM05Y5V104Z16VAH	PZ	4,00000	C29 C40 C152 C501	
...	4	01 1bb0500025ky	COND TANT SMD	2.2	uF	16V	20%	Bsize	TAJB225M016R	PZ	1,00000	C609	
...	4	01 1bb0500051ky	COND TANT SMD	10	uF	10V	20%	Asize	TAJA106M010R	PZ	1,00000	C3	
...	4	01 1bb0500053ky	COND TANT SMD	22	uF	6.3V	20%	Bsize	TAJB226M006R	PZ	1,00000	C611	
...	4	01 1bb0500066av	COND TANT SMD	22	uF	10V	20%	Csize	TAJC226M010R	PZ	2,00000	C22 C146	
...	4	01 1bb0500080av	COND TANT SMD	330	uF	6.3V	20%	Esize TPS LOW ESR	TPS-E337M006S0100	PZ	3,00000	C25 C27 C31	
...	4	01 1cc0100155co	INDUT SMD	10	uH	20%	DCR.09	ISAT 2.4A DO3308SERIES	DO3308P-103	PZ	1,00000	L1	
...	4	01 1cc0100156co	INDUT SMD	22	uH	20%	DCR.19	ISAT 1.6A DO3308SERIES	DO3308P-223	PZ	1,00000	L2	
...	4	01 1dd0100099sg	CI ANALOG TS3V912-AIDT	SO8	DUAL OPERATIONAL AMPLIFIER					PZ	1,00000	U3	
...	4	01 1dd0100155na	CI ANALOG LP3470M5X-3.08	MA05A	POWER ON RESET CIRCUIT				LP3470M5X-3.08	PZ	1,00000	U9	
...	4	00 1dd0100157li	CI ANALOG LTC1555CGN	GN16	STEP UP/DOWN CHARGE PUMP CONVERTER				LTC1555CGN-30430	PZ	1,00000	U2	
...	4	01 1dd0100164na	CI ANALOG LP2960AI	M16A	0.5A LOW-DROPOUT REGULATORS				LP2960AIMX-3.3	PZ	1,00000	U7	
...	4	00 1dd0100170li	CI ANALOG LT1376CS8	S8	STEP DOWN SWITCHING REGULATOR				LT1376CS8	PZ	2,00000	U15 U16	
...	4	01 1dd0200020to	CI DG TC7S08FU	TE85L	SSOP5-PA	MK E2 2-INPUT AND GATE				PZ	1,00000	U10	
...	4	01 1dd0200026to	CI DG TC4W53FU	TE12	SSOP8-P	MK	4W53 2-CHANNEL MULTIP/DEMULT.				PZ	1,00000	U1
...	4	01 1dd0200070tx	CI DG D/R-PDSO-G16	QUADR 2-L TO 1-L DATA SEL/MPX				SN74AHC157DR	PZ	1,00000	U29		
...	4	01 1dd0200078to	CI DG CMOS NON INVERTED	THREE	STATE OUTPUT SM8			TC7WT241FU	PZ	1,00000	U12		
...	4	01 1dd0300056to	CI MEM TC551001CFTI-85L	TSOP32	P0820 131.072WORDSx8BIT SR(EL)			TC551001CFTI-85L	PZ	1,00000	U20		
...	4	01 1dd0300075ad	CI MEM AM29LV160BT	90EC	TS048	16MEGABIT SECTOR FLASH MEMORY			AM29LV160BT-90EC	PZ	1,00000	U24	

TELITAL SpA		ESPLOSIONE CON RIFERIMENTI SCHEMA		(da ATBTEL30)		PAG. 3		
Data di stampa 29/03/99		Data creazione distinta 22/01/99						
Data di validita' 29/03/99		Data ultima modifica 22/01/99						
		Revisione Validita'						
Liv.	Cv	Codice Telital	Descrizione		C.Costrut./Nr.Disegno	Um	Quantita' Riferimento schema	PdM
-----								
Assieme	01	2000100256	MODULO BB G* & BB GSM CS680B VERS 20.01.99				Nr.progetto: 0080	
...	4	01 1ff0600088ml	CONN M CSTP 50 VIE VERT SMD P-0.5		53748-0504	PZ	1,00000 PL501	
...	4	01 1ff0600113hi	CONN F CSTP 20 VIE + 4 VIE DC SMD (QUALCOMM CODE CV90-25378)		MQ168-QC-20P/4	PZ	1,00000 S02	
...	4	01 1ff0600135ml	CONN F CSTP 4 VIE ORIZ ZIF FFC/FPC P-0.5 H-2 CONTAT SOTTO		52746-0490	PZ	1,00000 S01	
...	4	01 1ff0600136lcc	CONN F CSTP 2x5 VIE VERT SMD P-1.27 H-2.21 LOW PROFILE		23-5016-2005-10-081	PZ	1,00000 S03	
...	4	01 1ff1500004am	CONN PER SIM-CARD 6 CT SMT		2-338063-2	PZ	1,00000 S04	
...	4	01 1mm0100040nd	QUARZO 49.152 MHZ CASE 1630D SMD CRYSTAL CLOCK OSCILLATOR		1633D-A49.152	PZ	1,00000 Y501	
...	4	01 1nn0100047si	TRANS NPN+PNP BC847PN SOT363		Q62702-C2374	PZ	1,00000 Q9	
...	4	01 1nn0500009tmc	TRANS MOSFET P Si4925DY S08 DUAL P-CHANNEL 30-V(D-S)		Si4925DY-T1	PZ	1,00000 Q2	
...	4	01 1nnqa28472si	TRANS NPN BC847BW SOT323 MK1Fs 45V 100mA B-250		Q62702-C2305	PZ	2,00000 Q8 Q11	
...	4	01 1yy0300017tmc	DIODO SEGN LL4148-GS08 SOD80 70V 0.3A 0.5W			PZ	2,00000 D5 D6	
...	4	01 1yy0700007sg	DIODO SCHOT STPS320U SOD6 MK U32 20V 3A			PZ	2,00000 D1 D17	
...	4	01 1yy0700019sg	DIODO SCHOT STPS130U SMB MK G12 30V 1A		STPS130U	PZ	1,00000 D14	
...	4	01 1yy0800006sg	DIODO STR SM6T15A SOD6 V/BR 14.3MIN IPP 28A TRANSIL		SM6T15A	PZ	1,00000 DZ1	
...	4	01 1yyda30070si	DIODO SEGN BAV70 SOT23 MK JJ 70V I/F 330 mA		Q68000-A6622	PZ	3,00000 D2 D3 D4	
...	4	01 1xxzz99002	COMPONENTE DA NON MONTARE			PZ	4,00000 C597 C598 C599 C600	
...	3	01 1aa0100106ky	RES SMD 0 OHM JUMPER1/16W 0603		CJ10-000-D	PZ	2,00000 R43 R95	
...	3	01 1aa0100113ky	RES SMD 100 R 5% 1/16W 0603		CR10-101J-T	PZ	11,00000 R2 R20 R46 R112 R113 R115 R116 R117	
							R118 R119 R120	
...	3	01 1aa0100117ky	RES SMD 330 R 5% 1/16W 0603		CR10-331J-T	PZ	4,00000 R47 R84 R87 R88	
...	3	01 1aa0100123ky	RES SMD 1 K 5% 1/16W 0603		CR10-102J-D	PZ	1,00000 R16	
...	3	01 1aa0100135ky	RES SMD 10 K 5% 1/16W 0603		CR10-103J-D	PZ	2,00000 R1 R31	
...	3	01 1aa0100145ky	RES SMD 33 K 5% 1/16W 0603		CR10-333J-D	PZ	1,00000 R3	
...	3	01 1aa0100151ky	RES SMD 100 K 5% 1/16W 0603		CR10-104J-D	PZ	1,00000 R45	
...	3	01 1aa0100361ky	RES SMD 10 R 5% 1/16W 0402		CR05-100J-H	PZ	2,00000 R86 R128	
...	3	01 1aa0100370ky	RES SMD 220 R 5% 1/16W 0402		CR05-221J-H	PZ	2,00000 R94 R506	
...	3	01 1aa0100373ky	RES SMD 560 R 5% 1/16W 0402		CR05-561J-H	PZ	1,00000 R568	
...	3	01 1aa0100374ky	RES SMD 1 K 5% 1/16W 0402		CR05-102J-H	PZ	5,00000 R17 R520 R546 R547 R555	

TELITAL SpA		ESPLOSIONE CON RIFERIMENTI SCHEMA			(da ATBTel30)		PAG. 4	
Data di stampa 29/03/99							Data creazione distinta 22/01/99	
Data di validita' 29/03/99							Data ultima modifica 22/01/99	
							Revisione	Validita'
Liv.	Cv Codice Telital	Descrizione			C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema
							PdM	
Assieme 01 2000100256		MODULO BB G* & BB GSM CS680B VERS 20.01.99					Nr.progetto: 0080	
..3	01 1aa0100375ky	RES SMD	1.8 K	5% 1/16W 0402	CR05-182J-H	PZ	3,00000	R18 R25 R129
..3	01 1aa0100377ky	RES SMD	4.7 K	5% 1/16W 0402	CR05-472J-H	PZ	7,00000	R32 R35 R38 R516 R522 R523 R532
..3	01 1aa0100378ky	RES SMD	5.6 K	5% 1/16W 0402	CR05-562J-H	PZ	1,00000	R544
..3	01 1aa0100379ky	RES SMD	6.8 K	5% 1/16W 0402	CR05-682J-H	PZ	1,00000	R11
..3	01 1aa0100380ky	RES SMD	10 K	5% 1/16W 0402	CR05-103J-H	PZ	9,00000	R15 R98 R104 R126 R517 R518 R531 R542
							R560	
..3	01 1aa0100381ky	RES SMD	12 K	5% 1/16W 0402	CR05-123J-H	PZ	1,00000	R6
..3	01 1aa0100382ky	RES SMD	15 K	5% 1/16W 0402	CR05-153J-H	PZ	1,00000	R50
..3	01 1aa0100383ky	RES SMD	18 K	5% 1/16W 0402	CR05-183J-H	PZ	1,00000	R564
..3	01 1aa0100384ky	RES SMD	22 K	5% 1/16W 0402	CR05-223J-H	PZ	17,00000	R4 R28 R36 R37 R39 R85 R90 R123 R504
							R505 R527 R528 R533 R534 R535 R536 R537	
..3	01 1aa0100385ky	RES SMD	27 K	5% 1/16W 0402	CR05-273J-H	PZ	4,00000	R5 R13 R97 R156
..3	01 1aa0100386ky	RES SMD	33 K	5% 1/16W 0402	CR05-333J-H	PZ	3,00000	R9 R83 R109
..3	01 1aa0100387ky	RES SMD	39 K	5% 1/16W 0402	CR05-393J-H	PZ	1,00000	R550
..3	01 1aa0100388ky	RES SMD	47 K	5% 1/16W 0402	CR05-473J-H	PZ	13,00000	R49 R69 R73 R80 R81 R82 R146 R159 R503
							R508 R543 R549 R567	
..3	01 1aa0100389ky	RES SMD	68 K	5% 1/16W 0402	CR05-683J-H	PZ	1,00000	R167
..3	01 1aa0100390ky	RES SMD	100 K	5% 1/16W 0402	CR05-104J-H	PZ	2,00000	R44 R525
..3	01 1aa0100394ky	RES SMD	470 K	5% 1/16W 0402	CR05-474J-H	PZ	1,00000	R30
..3	01 1aa0100396ky	RES SMD	1 M	5% 1/16W 0402	CR05-105J-H	PZ	1,00000	R29
..3	01 1aa0100398ky	RES SMD	100 R	5% 1/16W 0402	CR05-101J-H	PZ	3,00000	R124 R545 R552
..3	01 1aa0100399ky	RES SMD	82 K	5% 1/16W 0402	CR05-823J-H	PZ	12,00000	R21 R22 R23 R34 R509 R510 R511 R512
							R513 R514 R515 R548	
..3	01 1aa0100400ky	RES SMD	3.9 K	5% 1/16W 0402	CR05-392J-H	PZ	2,00000	R40 R41
..3	01 1aa0100407ky	RES SMD	0 OHM	JUMPER1/16W 0402	CJ05-000J-H	PZ	5,00000	R54 R55 R58 R96 R553
..3	01 1aa0100453ky	RES SMD	330 K	5% 1/16W 0402	CR05-334J-H	PZ	1,00000	R42
..3	01 1aa0100455ky	RES SMD	150 K	5% 1/16W 0402	CR05-154J-H	PZ	1,00000	R26

TELITAL SpA			ESPLOSIONE CON RIFERIMENTI SCHEMA			(da ATBTEL30)			PAG. 5			
									Data creazione distinta 22/01/99			
Data di stampa 29/03/99									Data ultima modifica 22/01/99			
Data di validita' 29/03/99									Revisione Validita'			
Liv.	Cv	Codice Telital	Descrizione			C.Costrut./Nr.Disegno			Um	Quantita'	Riferimento schema	PdM
-----												
Assieme	01	2000100256	MODULO BB G* & BB GSM CS680B VERS 20.01.99							Nr.progetto: 0080		
..3	01	1aa0100467ky	RES SMD	0.1 R	5% 1/2W 1206	LR32-R100J-T			PZ	1,00000	R27	
..3	01	1aa0100476ky	RES SMD	237 R	1% 1/16W 0603	CR10-2370F-T			PZ	2,00000	R557 R558	
..3	01	1aa0100478ky	RES SMD	698 R	1% 1/16W 0603	CR10-6980F-T			PZ	1,00000	R559	
..3	01	1aa0100480ky	RES SMD	1.0 K	1% 1/16W 0603	CR10-102F-T			PZ	1,00000	R92	
..3	01	1aa0100481ky	RES SMD	1.74K	1% 1/16W 0603	CR10-1741F-T			PZ	1,00000	R556	
..3	01	1aa0100482ky	RES SMD	10.0 K	1% 1/16W 0603	CR10-103F-T			PZ	1,00000	R91	
..3	01	1aa0100486ky	RES SMD	30.0 K	1% 1/16W 0603	CR10-303F-T			PZ	1,00000	R158	
..3	01	1aa0100494ky	RES SMD	330 R	5% 1/16W 0402	CR05-331J-H			PZ	1,00000	R122	
..3	01	1aa0800004av	VARISTORE SMD	18V/DC	L-1.6xW-0.8xSP-0.9	VC06LC18X500			PZ	1,00000	VC17	
..3	01	1aa0800006av	VARISTORE SMD	3.6 VDC		VC060303A100T			PZ	16,00000	VC1 VC2 VC4 VC5 VC6 VC7 VC8 VC9 VC10 VC11 VC12 VC13 VC14 VC15 VC16 VC18	
..3	01	1bb0100073av	COND CER SMD	47 pF COG	0603 5% 50V	06035A470JAT2L			PZ	1,00000	C502	
..3	01	1bb0100082av	COND CER SMD	4.7nF X7R	0603 10% 50V	06035C472KAT2L			PZ	2,00000	C14 C38	
..3	01	1bb0100084ky	COND CER SMD	22 nF X7R	0603 10% 25V	CM105X7R223K25AL			PZ	1,00000	C610	
..3	01	1bb0100155av	COND CER SMD	10 nF X7R	0603 10% 50V	06035C103KAT2A			PZ	6,00000	C32 C35 C117 C523 C530 C549	
..3	01	1bb0100184av	COND CER SMD	68 nF X7R	0805 10% 50V	08055C683KAT2L			PZ	1,00000	C573	
..3	01	1bb0100191ky	COND CER SMD	12 pF COG	0402 5% 50V	CM05CG120J50AH			PZ	2,00000	C544 C545	
..3	01	1bb0100194ky	COND CER SMD	33 pF COG	0402 5% 50V	CM05CG330J50AH			PZ	56,00000	C2 C4 C12 C16 C28 C36 C37 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C90 C91 C92 C93 C94 C95 C96 C97 C101 C107 C110 C111 C120 C121 C122 C126 C127 C128 C129 C130 C131 C132 C154 C156 C157 C158 C159	
..3	01	1bb0100198ky	COND CER SMD	68 pF COG	0402 5% 50V	CM05CG680J50AH			PZ	2,00000	C568 C569	
..3	01	1bb0100199ky	COND CER SMD	100 pF COG	0402 5% 50V	CM05CG101J50AH			PZ	1,00000	C528	
..3	01	1bb0100200ky	COND CER SMD	220 pF X7R	0402 10% 50V	CM05X7R221K50AH			PZ	1,00000	C548	

TELITAL SpA			ESPLOSIONE CON RIFERIMENTI SCHEMA				(da ATBTel30)		PAG. 6		
									Data creazione distinta 22/01/99		
Data di stampa 29/03/99									Data ultima modifica 22/01/99		
Data di validita' 29/03/99									Revisione Validita'		
Liv.	Cv	Codice Telital	Descrizione				C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema	PdM
-----											
Assieme	01	2000100256	MODULO BB G* & BB GSM CS680B VERS 20.01.99				Nr.progetto: 0080				
..3	01	1bb0100201ky	COND CER SMD 470	pF X7R	0402	10%	50V	CM05X7R471K50AH	PZ	1,00000	C49
..3	01	1bb0100202ky	COND CER SMD 1	nF X7R	0402	10%	50V	CM05X7R102K50AH	PZ	11,00000	C104 C529 C550 C551 C552 C553 C554 C558 C559 C567 C575
..3	01	1bb0100208ky	COND CER SMD 100	nF X7R	0603	10%	16V	CM105X7R104K16AT	PZ	30,00000	C1 C5 C6 C7 C26 C34 C44 C46 C48 C51 C53 C54 C55 C60 C98 C113 C114 C123 C124 C139 C519 C520 C521 C556 C557 C560 C561 C562 C564 C565
..3	01	1bb0100209ky	COND CER SMD 2.2nF	X7R	0402	10%	50V	CM05X7R222K50AH	PZ	1,00000	C572
..3	01	1bb0100210ky	COND CER SMD 150	pF COG	0402	5%	25V	CM05CG151J25VAH	PZ	1,00000	C546
..3	01	1bb0100220ky	COND CER SMD 18	pF COG	0402	5%	50V	CM05CG180J50AH	PZ	2,00000	C531 C532
..3	01	1bb0100222ky	COND CER SMD 4.7pF	COG	0402	+-.25pF	50V	CM05CG4R7C50AH	PZ	1,00000	C570
..3	01	1bb0100224ky	COND CER SMD 2.2pF	COG	0402	+-.0.25pF	50V	CM05CG2R2C50AH	PZ	1,00000	C542
..3	01	1bb0100228ky	COND CER SMD 100	nF Y5V	0402	-20+80%	16V	CM05Y5V104Z16VAH	PZ	20,00000	C17 C59 C504 C505 C506 C507 C508 C509 C510 C511 C515 C516 C517 C518 C534 C535 C537 C538 C540 C555
..3	01	1bb0100293ky	COND CER SMD 39	nF X7R	0603	10%	16V	CM105X7R393K16AT	PZ	1,00000	C11
..3	01	1bb0500025ky	COND TANT SMD 2.2	uF 16V	20% Bsize			TAJB225M016R	PZ	1,00000	C612
..3	01	1bb0500051ky	COND TANT SMD 10	uF 10V	20% Asize			TAJA106M010R	PZ	1,00000	C99
..3	01	1bb0500053ky	COND TANT SMD 22	uF 6.3V	20% Bsize			TAJB226M006R	PZ	1,00000	C607
..3	01	1bb0500060ky	COND TANT SMD 1.0	uF 16V	20% Asize			TAJA105M016R	PZ	4,00000	C23 C58 C61 C62
..3	01	1bb0500078ky	COND TANT SMD 3.3	uF 10V	20% Asize			TAJA335M010R	PZ	3,00000	C503 C514 C533
..3	01	1cc0100043td	INDUT SMD 1	uH 20% Qmin25	50mA			MLF2012A1R0ML	PZ	1,00000	CH501
..3	01	1cc0100128mu	INDUT SMD EMI SUPPRESSOR		0.85 R	100mA		BLM11B102SPT	PZ	2,00000	CH7 CH8
..3	01	1cc0100153mu	INDUT SMD 22	nH 5% Qmin30	720mA			LQN21A22NJ04	PZ	1,00000	L502
..3	01	1cc0100154mu	INDUT SMD 33	nH 5% Qmin40	570mA			LQN21A33NJ04	PZ	1,00000	L504
..3	01	1cc0100191mu	INDUT SMD EMI SUPPRESSOR		0.65 R	200mA		BLM11B601SPT	PZ	2,00000	CH5 CH6
..3	01	1cc1h01050mu	INDUT SMD 0.2	R/DC BLM21B050S	PT 0.5A IMPED	5R A 100MHz			PZ	1,00000	CH504

TELITAL SpA		ESPLOSIONE CON RIFERIMENTI SCHEMA			(da ATBTel30)		PAG. 7	
						Data creazione distinta 22/01/99		
Data di stampa 29/03/99						Data ultima modifica 22/01/99		
Data di validita' 29/03/99						Revisione Validita'		
Liv.	Cv	Codice Telital	Descrizione	C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema	PdM
-----								
Assieme	01	2000100256	MODULO BB G* & BB GSM CS680B VERS 20.01.99			Nr.progetto: 0080		
..3	00	1dd0100121na	CI ANALOG MTC20 PLL FREQ SYNTH FOR RF PERS COM	LMX2305TMX	PZ	1,00000	U515	
..3	01	1dd0100151na	CI ANALOG MA05A CMOS OP.AMP RAIL TO RAIL IN OUT	LMC7111BIM5X	PZ	1,00000	U4	
..3	01	1dd0100162na	CI ANALOG LM3420-8.4 MA05A LITHIUM-ION BAT CHARGE CONTROL	LM3420AM5X-8.4	PZ	1,00000	U6	
..3	01	1dd0100163na	CI ANALOG LP2980AI MA05A 50mA ULTRA LOW-DROPOUT REGULATOR	LP2980AIM5X-3.3	PZ	1,00000	U13	
..3	01	1dd0200017to	CI DG TC7S14F TE85L SSOP5-P MK EA SCHMITT INVERTER		PZ	2,00000	U14 U28	
..3	01	1dd0200020to	CI DG TC7S08FU TE85L SSOP5-PA MK E2 2-INPUT AND GATE		PZ	1,00000	U503	
..3	01	1dd0200021to	CI DG TC7S02FU TE85L SSOP5-PA MK E3 2-INPUT NOR GATE		PZ	2,00000	U8 U25	
..3	01	1dd0200026to	CI DG TC4W53FU TE12 SSOP8-P MK 4W53 2-CHANNEL MULTIP/DEMULT.		PZ	1,00000	U11	
..3	01	1dd0200028to	CI DG TC7W08FU TE12L SSOP8-P MK 7W08 DUAL 2-INPUT AND GATE		PZ	1,00000	U517	
..3	01	1dd0200032to	CI DG TC7W14FU TE12L SSOP8P MK 7W14 SCHMITT INVERTER		PZ	1,00000	U502	
..3	01	1dd0200033to	CI DG TC7W74FU TE12L SSOP8P MK 7W74 D-TY FLIPFLOP/PRESET &CLR		PZ	1,00000	U504	
..3	01	1dd0200065to	CI DG TC7SH04FU SSOP5-P-A MK H5 HIGH SPEED CMOS INVERTER	TC7SH04FU	PZ	2,00000	U510 U514	
..3	01	1dd0200067to	CI DG SSOP-P-A MK H4 CMOS 2-INPUT OR GATE	TC7SH32FU	PZ	1,00000	U512	
..3	01	1dd0200071rch	CI DG RS5C372A 8PIN SSOP I2C-BUS INTERF REAL TIME CLOCK	RS5C372A-E2	PZ	1,00000	U45	
..3	01	1dd0200073tx	CI DG SN74LV245DW R-PDSO-G20 OCTAL BUS TRANSCEIVER	SN74LV245DW	PZ	1,00000	U22	
..3	01	1dd0200080to	CI DG CMOS 2-INPUT NOR GATE USV	TC7SH02FU	PZ	1,00000	U513	
..3	01	1dd0300036mcc	CI MEM 24LC65TI/SM SOIC8SM 64K 2.5V CMOS SMART SER.EEPROM		PZ	1,00000	U44	
..3	01	1dd0300052ss	CI MEM TSOP-44 256Kx16BIT LOW POWER CMOS SRAM	KM616V4000BLT8	PZ	1,00000	U505	
..3	01	1dd0300075ad	CI MEM AM29LV160BT 90EC TS048 16MEGABIT SECTOR FLASH MEMORY	AM29LV160BT-90EC	PZ	1,00000	U506	
..3	01	1dd0400036qlc	CI uP TQFP-144 GLOBALSTAR USER MODEM ASIC	80-70049-1 X1	PZ	1,00000	U509	
..3	01	1dd0400037tx	CI uP DW/R-PDSO-G20 3-V VOICE-BAND AUDIO PROCESSOR	TLV320AC36IDW	PZ	1,00000	U21	
..3	01	1dd0400038si	CI uP PMB2800 v3.2 w2 P-TQFP- 144-1 GOLD BB PROCES HI-GOLD	Q67257H63	PZ	1,00000	U43	
..3	01	1dd0400039si	CI uP PMB2905 v5.2 P-TQFP-64-1 GSM ANALOG INTERFACE MODULE	Q67007A7006	PZ	1,00000	U46	
..3	01	1dd0400042nlg	CI uP ADSP-2185L TQFP100 DSP MICROCOMPUTER	ADSP-2185LBST-133	PZ	1,00000	U511	
..3	01	1dd0400043in	CI uP FA80386EXTB25 TQFP-144 386 EX EMBEDDED MICROPROCESSOR	FA80386EXTB25	PZ	1,00000	U501	
..3	01	1dd0400052qlc	CI uP TQFP-80 ANALOG BASEBAND PROCESSOR	Q5312I-4S2TR	PZ	1,00000	U516	
..3	01	1ff0600088ml	CONN M CSTP 50 VIE VERT SMD P-0.5	53748-0504	PZ	1,00000	PL1	



TELITAL SpA			ESPLOSIONE CON RIFERIMENTI SCHEMA		(da ATBTel30)		PAG. 1	
							Data creazione distinta 28/01/99	
Data di stampa 29/03/99							Data ultima modifica 09/02/99	
Data di validita' 29/03/99							Revisione Validita'	
Liv.	Cv	Codice Telital	Descrizione	C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema	PdM
-----								
Assieme	01	2000100257	MODULO RADIO GLOBALSTAR CS661C VERS 15.01.99			Nr.progetto: 0080		
1	01	2000400257	MODULO RADIO GLOBALSTAR CS661C VERS 15.01.99 LATO PTH		PZ	1,00000	rif. dis. 1	2430
.2	01	2000200257	MODULO RADIO GLOBALSTAR CS661C VERS 15.01.99 LATO PRIM SMD		PZ	1,00000	rif. dis. 1	
...3	01	2000300257	MODULO RADIO GLOBALSTAR CS661C VERS 15.01.99 LATO SEC SMD		PZ	1,00000	rif. dis. 1	
...4	01	1ff0100661c	BASETTA C/S RADIO GLOBALSTAR VERS 15.01.99		PZ	1,00000	rif. dis. 1	
...4	01	1vv0200268fpe	ETICHETTA ACRILATO BIANCO H6 L20 3 PISTE	TT.26.0002	PZ	1,00000	rif. dis. 2	
...4	01	1aa0100106ky	RES SMD 0 OHM JUMPER1/16W 0603	CJ10-000-D	PZ	1,00000	R4	2406
...4	01	1aa0100110ky	RES SMD 22 R 5% 1/16W 0603	CR10-220J-T	PZ	2,00000	R28 R32	2406
...4	01	1aa0100113ky	RES SMD 100 R 5% 1/16W 0603	CR10-101J-T	PZ	1,00000	R7	
...4	01	1aa0100120ky	RES SMD 560 R 5% 1/16W 0603	CR10-561J-D	PZ	4,00000	R49 R50 R65 R82	
...4	01	1aa0100122ky	RES SMD 820 R 5% 1/16W 0603	CR10-821J-T	PZ	1,00000	R16	2409
...4	01	1aa0100123ky	RES SMD 1 K 5% 1/16W 0603	CR10-102J-D	PZ	3,00000	R42 R83 R84	
...4	01	1aa0100126ky	RES SMD 1.8 K 5% 1/16W 0603	CR10-182J-T	PZ	2,00000	R1 R58	
...4	01	1aa0100129ky	RES SMD 3.3 K 5% 1/16W 0603	CR10-332J-T	PZ	2,00000	R12 R53	2409
...4	01	1aa0100130ky	RES SMD 3.9 K 5% 1/16W 0603	CR10-392J-T	PZ	1,00000	R90	
...4	01	1aa0100131ky	RES SMD 4.7 K 5% 1/16W 0603	CR10-472J-D	PZ	2,00000	R27 R29	
...4	01	1aa0100134ky	RES SMD 8.2 K 5% 1/16W 0603	CR10-822J-T	PZ	1,00000	R30	
...4	01	1aa0100135ky	RES SMD 10 K 5% 1/16W 0603	CR10-103J-D	PZ	2,00000	R19 R109	
...4	01	1aa0100141ky	RES SMD 18 K 5% 1/16W 0603	CR10-183J-T	PZ	2,00000	R17 R72	
...4	01	1aa0100148ky	RES SMD 56 K 5% 1/16W 0603	CR10-563J-D	PZ	2,00000	R85 R86	
...4	01	1aa0100154ky	RES SMD 220 K 5% 1/16W 0603	CR10-224J-T	PZ	1,00000	R24	
...4	01	1aa0100155ky	RES SMD 270 K 5% 1/16W 0603	CR10-274J-T	PZ	1,00000	R89	
...4	01	1aa0100241ky	RES SMD 47 R 5% 1/16W 0603	CR10-470J-T	PZ	2,00000	R44 R45	
...4	01	1aa0100369ky	RES SMD 150 R 5% 1/16W 0402	CR05-151J-H	PZ	1,00000	R102	
...4	01	1aa0100374ky	RES SMD 1 K 5% 1/16W 0402	CR05-102J-H	PZ	2,00000	R6 R43	
...4	01	1aa0100380ky	RES SMD 10 K 5% 1/16W 0402	CR05-103J-H	PZ	1,00000	R51	2409
...4	01	1aa0100381ky	RES SMD 12 K 5% 1/16W 0402	CR05-123J-H	PZ	1,00000	R40	2409
...4	01	1aa0100384ky	RES SMD 22 K 5% 1/16W 0402	CR05-223J-H	PZ	1,00000	R37	2409



TELITAL SpA			ESPLOSIONE CON RIFERIMENTI SCHEMA				(da ATBTel30)		PAG. 2		
									Data creazione distinta 28/01/99		
Data di stampa 29/03/99									Data ultima modifica 09/02/99		
Data di validita' 29/03/99									Revisione Validita'		
Liv.	Cv	Codice Telital	Descrizione				C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema	PdM
-----											
Assieme	01	2000100257	MODULO RADIO GLOBALSTAR CS661C VERS 15.01.99						Nr.progetto: 0080		
...	4	01 1aa0100407ky	RES SMD 0 OHM JUMPER1/16W 0402				CJ05-000J-H	PZ	1,00000	R18	
...	4	01 1aa0100490ky	RES SMD 357 R 1% 1/16W 0603				CR10-3570F-T	PZ	1,00000	R61	
...	4	01 1bb0100070av	COND CER SMD 27 pF COG 0603 5% 50V				06035A270JAT2L	PZ	2,00000	C14 C72	
...	4	01 1bb0100081av	COND CER SMD 1 nF X7R 0603 10% 50V				06035C102KAT4A	PZ	13,00000	C8 C16 C21 C22 C41 C42 C57 C69 C71 C143 2409 C147 C148 C176	
...	4	01 1bb0100117av	COND CER SMD 12 pF COG 0603 5% 50V				06035A120JAT2L	PZ	2,00000	C37 C188	
...	4	01 1bb0100155av	COND CER SMD 10 nF X7R 0603 10% 50V				06035C103KAT2A	PZ	20,00000	C33 C56 C58 C63 C64 C66 C78 C80 C81 C82 C138 C164 C166 C171 C174 C177 C178 C179 C180 C184	
...	4	01 1bb0100158av	COND CER SMD 220 pF COG 0603 5% 50V				06035A221JAT2L	PZ	3,00000	C73 C74 C75	2409
...	4	01 1bb0100187ky	COND CER SMD 1.0pF COG 0402 +-0.25pF 50V				CM05CG1R0C50AH	PZ	1,00000	C52	
...	4	01 1bb0100192ky	COND CER SMD 22 pF COG 0402 5% 50V				CM05CG220J50AH	PZ	7,00000	C12 C59 C60 C68 C134 C153 C206	
...	4	01 1bb0100208ky	COND CER SMD 100 nF X7R 0603 10% 16V				CM105X7R104K16AT	PZ	4,00000	C49 C50 C89 C96	
...	4	01 1bb0100220ky	COND CER SMD 18 pF COG 0402 5% 50V				CM05CG180J50AH	PZ	15,00000	C5 C61 C62 C70 C76 C90 C91 C92 C93 C126 C127 C128 C167 C169 C172	
...	4	01 1bb0100242av	COND CER SMD 56 pF COG 0603 5% 50V				06035A560JAT4A	PZ	2,00000	C19 C23	
...	4	01 1bb0100245av	COND CER SMD 330 pF X7R 0603 10% 50V				06035C331KAT4A	PZ	1,00000	C85	
...	4	01 1bb0100247av	COND CER SMD 3.9 nF X7R 0603 10% 50V				06035C392KAT4A	PZ	1,00000	C152	
...	4	01 1bb0100268ky	COND CER SMD 15 nF X7R 0603 10% 25V				CM105X7R153K25AT	PZ	1,00000	C139	
...	4	01 1bb0100286av	COND CER SMD 120 nF X7R 0805 10% 25V				08053C124KAT2A	PZ	1,00000	C140	
...	4	01 1bb0500051ky	COND TANT SMD 10 uF 10V 20% Asize				TAJA106M010R	PZ	1,00000	C86	
...	4	01 1bb0500078ky	COND TANT SMD 3.3 uF 10V 20% Asize				TAJA335M010R	PZ	10,00000	C18 C47 C48 C51 C130 C137 C142 C162 C181 C226	
...	4	01 1cc0100095mu	INDUT SMD 100 nH 5% Qmin40 540mA				LQN21AR10J04	PZ	2,00000	L11 L12	
...	4	01 1cc0100096mu	INDUT SMD 220 nH 5% Qmin35 240mA				LQN21AR22J04	PZ	2,00000	L17 L24	
...	4	01 1cc0100129mu	INDUT SMD EMI SUPPRESSOR 0.8 R 200mA				BLM21B222SPT	PZ	7,00000	CH3 CH5 CH6 CH16 CH17 CH18 CH19	
...	4	01 1cc0100130mu	INDUT SMD EMI SUPPRESSOR 50 V 2 A				NFM41P11C204T1	PZ	1,00000	FC11	

TELITAL SpA		ESPLOSIONE CON RIFERIMENTI SCHEMA				(da ATBTel30)		PAG. 3			
Data di stampa 29/03/99		Data creazione distinta 28/01/99									
Data di validita' 29/03/99		Data ultima modifica 09/02/99									
		Revisione Validita'									
Liv.	Cv	Codice Telital	Descrizione				C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema	PdM
<hr/>											
Assieme	01	2000100257	MODULO RADIO GLOBALSTAR CS661C VERS 15.01.99						Nr.progetto: 0080		
...	4	01 1cc0100164mu	INDUT SMD	6.8	nH +/-5%	Qmin12 300mA	LQG11A6N8J00T1	PZ	1,00000	L33	
...	4	01 1cc0100165mu	INDUT SMD	8.2	nH +/-5%	Qmin12 300mA	LQG11A8N2J00T1	PZ	1,00000	L31	
...	4	01 1cc0100166mu	INDUT SMD	15	nH +/-5%	Qmin12 300mA	LQG11A15NJ00T1	PZ	1,00000	L3	
...	4	01 1cc0100168mu	INDUT SMD	33	nH +/-5%	Qmin12 300mA	LQG11A33NJ00T1	PZ	2,00000	L2 L22	
...	4	01 1cc0100169mu	INDUT SMD	39	nH +/-5%	Qmin12 300mA	LQG11A39NJ00T1	PZ	2,00000	L4 L5	
...	4	01 1cc0100170mu	INDUT SMD	47	nH +/-5%	Qmin12 300mA	LQG11A47NJ00T1	PZ	1,00000	L30	
...	4	01 1cc0100171mu	INDUT SMD	68	nH +/-5%	Qmin12 300mA	LQG11A68NJ00T1	PZ	1,00000	L23	
...	4	01 1cc0100190mu	INDUT SMD	12	nH +/-5%	Qmin12 300mA	LQG11A12NJ00T1	PZ	1,00000	L26	
...	4	01 1cc0100201mu	INDUT SMD	4.7	nH +/-0.3nH	Qmin12 300mA	LQG11A4N7S00T1	PZ	1,00000	L32	
...	4	01 1dd01001361i	CI ANALOG LTC1550CGN	GN-16	LOW NOISE SWT REG VOLT INVERT		LTC1550CGN-TR	PZ	1,00000	U29	
...	4	00 1dd0100137na	CI ANALOG MTC20		PLL FREQ SYNTH FOR RF PERS COM		LMX2330LTMX	PZ	1,00000	U10	
...	4	01 1dd0100139ryt	CI ANALOG 1600-1630MHz	MMIC PA	QUALCOMM CODE CV90-25670-1		RMPA1610-63	PZ	1,00000	U1	
...	4	01 1dd0100140qlc	CI ANALOG QC1 TX AGC	AMPLIFIER	CDMA/FM CD90-24050-1		Q5505I-1M-TR	PZ	1,00000	U13	
...	4	01 1dd0100148ndc	CI ANALOG AND6014	QC4 STEP AMP	QUALCOMM CODE CV90-22627-4		AND6014	PZ	1,00000	U6	
...	4	01 1dd0100163na	CI ANALOG LP2980AI	MA05A	50mA	ULTRA LOW-DROPOUT REGULATOR	LP2980AIM5X-3.3	PZ	1,00000	U24	
...	4	01 1dd0100175na	CI ANALOG LP2980AI	MA05A	50mA	ULTRA LOW-DROPOUT REGULATOR	LP2980AIM5X-5.0	PZ	1,00000	U21	
...	4	01 1dd0100196na	CI ANALOG LP2981	MA05A MK L0JA	100mA	ULTRA LOW-DROPOUT REGUL	LP2981AIM5X-3.6	PZ	1,00000	U28	
...	4	01 1dd0200024to	CI DG TC7S04FU	TE85L SSOP5-PA	MK E5 INVERTER			PZ	1,00000	U22	
...	4	01 1dd0200028to	CI DG TC7W08FU	TE12L SSOP8-P	MK 7W08 DUAL 2-INPUT AND GATE			PZ	2,00000	U2 U16	
...	4	01 1dd0200030to	CI DG TC7W32FU	TE12 SSOP8-P MK	7W32 DUAL 2-INPUT OR GATE			PZ	1,00000	U7	
...	4	01 1ff0400037am	CONN RF DA C/S SMD CON SWITCH				0-619013-1	PZ	3,00000	SO4 SO5 SO6	
...	4	01 1ff0400042mcm	CONN RF OSX F C/S VERT				5899-5004-54	PZ	2,00000	SO2 SO3	
...	4	01 1110200014mu	FILTRO DIEL 1610.0MHz BW 16MHz SMD QUALCOMM CODE CV90-25422-2				DFC31R61P016BHB	PZ	1,00000	FC1	
...	4	01 1110500022swt	FILTRO SAW TX 130.38MHz QUALCOMM CODE CV90-25680-1				854858	PZ	1,00000	FC2	
...	4	01 1110500024mu	FILTRO SAW TX S-BAND 1618.25MHZ QUALCOMM CODE CV90-25235-1				SAFC1618.25	PZ	2,00000	FC5 FC6	
...	4	01 1110900001hc	CIRCOLATORE 1618MHz				SI-7TNR1.618G-T	PZ	1,00000	HY1	
...	4	01 1111300003hc	DOUBLE BALANCED MIXER SLM-A IF 130.38 MHz				SLM-180A	PZ	1,00000	MX2	

TELITAL SpA		ESPLOSIONE CON RIFERIMENTI SCHEMA		(da ATBTel30)		PAG. 4		
						Data creazione distinta 28/01/99		
Data di stampa 29/03/99						Data ultima modifica 09/02/99		
Data di validita' 29/03/99						Revisione Validita'		
Liv.	Cv	Codice Telital	Descrizione	C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema	PdM
-----								
Assieme	01	2000100257	MODULO RADIO GLOBALSTAR CS661C VERS 15.01.99			Nr.progetto: 0080		
...	4	01 1mm0300013tw	MODULO VCTCXO 19.68MHz SMD	TXS0924M-3.3/19.68	PZ	1,00000	X1	
...	4	01 1mm0300014fu	MODULO VCO TX 1500MHz 3.8V SMD QUALCOMM CODE CV90-25237-1	VC-3R6A20-1487	PZ	1,00000	Y2	
...	4	01 1nn0100038si	TRANS NPN BCR141W SOT323	Q62702-C2288	PZ	2,00000	Q2 Q5	
...	4	01 1nn0100046si	TRANS NPN BFS483 SOT363	Q62702-F1574	PZ	1,00000	Q8	
...	4	01 1nn0400001ok	TRANS GASFET 4PSOP 3v 5mA	KGF1522	PZ	1,00000	Q16	
...	4	01 1nn0500007ir	TRANS MOSFET P MICRO8 V/DS-20V R/DS .09R	IRF7604TR	PZ	2,00000	Q11 Q12	
...	4	01 1yy0700013hp	DIODO SCHOT HSMS-2825-L31 SOT-143-L	HSMS-2825-L31	PZ	1,00000	D4	
...	4	01 1xxzz99002	COMPONENTE DA NON MONTARE		PZ	14,00000	C13 C27 C79 C83 C106 C141 C161 C175	2430
						C186 L20 L21 R13 R15 R36		
...	3	01 1aa0100106ky	RES SMD 0 OHM JUMPER1/16W 0603	CJ10-000-D	PZ	1,00000	R23	
...	3	01 1aa0100108ky	RES SMD 10 R 5% 1/16W 0603	CR10-100J-D	PZ	2,00000	R33 R73	
...	3	01 1aa0100111ky	RES SMD 33 R 5% 1/16W 0603	CR10-330J-T	PZ	2,00000	R25 R39	
...	3	01 1aa0100113ky	RES SMD 100 R 5% 1/16W 0603	CR10-101J-T	PZ	3,00000	R2 R8 R9	
...	3	01 1aa0100119ky	RES SMD 470 R 5% 1/16W 0603	CR10-471J-D	PZ	1,00000	R10	
...	3	01 1aa0100123ky	RES SMD 1 K 5% 1/16W 0603	CR10-102J-D	PZ	1,00000	R60	
...	3	01 1aa0100125ky	RES SMD 1.5 K 5% 1/16W 0603	CR10-152J-T	PZ	1,00000	R22	
...	3	01 1aa0100126ky	RES SMD 1.8 K 5% 1/16W 0603	CR10-182J-T	PZ	2,00000	R76 R77	
...	3	01 1aa0100128ky	RES SMD 2.7 K 5% 1/16W 0603	CR10-272J-T	PZ	1,00000	R5	
...	3	01 1aa0100134ky	RES SMD 8.2 K 5% 1/16W 0603	CR10-822J-T	PZ	1,00000	R81	
...	3	01 1aa0100135ky	RES SMD 10 K 5% 1/16W 0603	CR10-103J-D	PZ	1,00000	R63	
...	3	01 1aa0100144ky	RES SMD 27 K 5% 1/16W 0603	CR10-273J-T	PZ	2,00000	R80 R112	2409
...	3	01 1aa0100148ky	RES SMD 56 K 5% 1/16W 0603	CR10-563J-D	PZ	1,00000	R64	2409
...	3	01 1aa0100149ky	RES SMD 68 K 5% 1/16W 0603	CR10-683J-T	PZ	2,00000	R52 R54	2409
...	3	01 1aa0100151ky	RES SMD 100 K 5% 1/16W 0603	CR10-104J-D	PZ	2,00000	R3 R97	
...	3	01 1aa0100152ky	RES SMD 150 K 5% 1/16W 0603	CR10-154J-T	PZ	1,00000	R14	2409
...	3	01 1aa0100154ky	RES SMD 220 K 5% 1/16W 0603	CR10-224J-T	PZ	1,00000	R11	
...	3	01 1aa0100155ky	RES SMD 270 K 5% 1/16W 0603	CR10-274J-T	PZ	1,00000	R98	2409

TELITAL SpA			ESPLOSIONE CON RIFERIMENTI SCHEMA				(da ATBTel30)		PAG. 5				
										Data creazione distinta 28/01/99			
Data di stampa 29/03/99										Data ultima modifica 09/02/99			
Data di validita' 29/03/99										Revisione Validita'			
Liv.	Cv	Codice Telital	Descrizione				C.Costrut./Nr.Disegno		Um	Quantita'	Riferimento schema		PdM
-----													
Assieme	01	2000100257	MODULO RADIO GLOBALSTAR CS661C VERS 15.01.99							Nr.progetto: 0080			
..3	01	1aa0100241ky	RES SMD	47	R	5%	1/16W	0603	CR10-470J-T	PZ	2,00000	R74 R75	
..3	01	1aa0100249ky	RES SMD	120	K	5%	1/16W	0603	CR10-124J-T	PZ	1,00000	R115	
..3	01	1aa0100361ky	RES SMD	10	R	5%	1/16W	0402	CR05-100J-H	PZ	6,00000	R20 R26 R31 R35 R38 R41	
..3	01	1aa0100362ky	RES SMD	22	R	5%	1/16W	0402	CR05-220J-H	PZ	1,00000	R67	
..3	01	1aa0100364ky	RES SMD	33	R	5%	1/16W	0402	CR05-330J-H	PZ	1,00000	R34	
..3	01	1aa0100365ky	RES SMD	47	R	5%	1/16W	0402	CR05-470J-H	PZ	1,00000	R70	
..3	01	1aa0100370ky	RES SMD	220	R	5%	1/16W	0402	CR05-221J-H	PZ	1,00000	R46	
..3	01	1aa0100374ky	RES SMD	1	K	5%	1/16W	0402	CR05-102J-H	PZ	1,00000	R59	
..3	01	1aa0100407ky	RES SMD	0	OHM	JUMPER	1/16W	0402	CJ05-000J-H	PZ	1,00000	R21	
..3	01	1aa0600010mu	RES NTC SMD	68	K	5%	1608		NTH5G1M41B683J04TH	PZ	1,00000	RT1	
..3	01	1bb0100067av	COND CER SMD	10	pF	COG	0603	5% 50V	06035A100JAT2L	PZ	1,00000	C10	
..3	01	1bb0100068av	COND CER SMD	15	pF	COG	0603	5% 50V	06035A150JAT2L	PZ	2,00000	C123 C124	
..3	01	1bb0100070av	COND CER SMD	27	pF	COG	0603	5% 50V	06035A270JAT2L	PZ	1,00000	C158	
..3	01	1bb0100071av	COND CER SMD	33	pF	COG	0603	5% 50V	06035A330JAT4A	PZ	1,00000	C3	
..3	01	1bb0100081av	COND CER SMD	1	nF	X7R	0603	10% 50V	06035C102KAT4A	PZ	25,00000	C1 C4 C9 C31 C32 C34 C35 C38 C39 C53 C54 C77 C88 C103 C136 C144 C156 C160 C182 C187 C191 C194 C195 C196 C213	
..3	01	1bb0100094av	COND CER SMD	8.2pF	COG	0603	+-0.5 pF	50V	06035A8R2DAT2L	PZ	1,00000	C190	
..3	01	1bb0100155av	COND CER SMD	10	nF	X7R	0603	10% 50V	06035C103KAT2A	PZ	6,00000	C36 C44 C46 C168 C170 C173	
..3	01	1bb0100187ky	COND CER SMD	1.0pF	COG	0402	+-0.25pF	50V	CM05CG1R0C50AH	PZ	1,00000	C17	
..3	01	1bb0100190ky	COND CER SMD	10	pF	COG	0402	+-0.5pF 50V	CM05CG100D50AH	PZ	6,00000	C20 C24 C25 C30 C183 C223	
..3	01	1bb0100191ky	COND CER SMD	12	pF	COG	0402	5% 50V	CM05CG120J50AH	PZ	7,00000	C55 C65 C84 C97 C98 C129 C154	
..3	01	1bb0100194ky	COND CER SMD	33	pF	COG	0402	5% 50V	CM05CG330J50AH	PZ	17,00000	C94 C95 C99 C100 C101 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C121	
..3	01	1bb0100206ky	COND CER SMD	330	nF	X7R	0805	10% 16V	CM21X7R334K16AT	PZ	1,00000	C145	
..3	01	1bb0100208ky	COND CER SMD	100	nF	X7R	0603	10% 16V	CM105X7R104K16AT	PZ	3,00000	C125 C131 C159	

TELITAL SpA		ESPLOSIONE CON RIFERIMENTI SCHEMA				(da ATBTel30)		PAG. 6		
								Data creazione distinta 28/01/99		
Data di stampa 29/03/99								Data ultima modifica 09/02/99		
Data di validita' 29/03/99								Revisione Validita'		
Liv.	Cv	Codice Telital	Descrizione				C.Costrut./Nr.Disegno	Um	Quantita' Riferimento schema	PdM
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Assieme	01	2000100257	MODULO RADIO GLOBALSTAR CS661C VERS 15.01.99				Nr.progetto: 0080			
..3	01	1bb0100217av	COND CER SMD 56	nF X7R 0603	10%	16V	0603YC563KAT2A	PZ	1,00000 C146	
..3	01	1bb0100224ky	COND CER SMD	2.2pF COG 0402	+/-0.25pF	50V	CM05CG2R2C50AH	PZ	1,00000 C7	
..3	01	1bb0100245av	COND CER SMD 330	pF X7R 0603	10%	50V	06035C331KAT4A	PZ	3,00000 C67 C132 C133	
..3	01	1bb0100255ky	COND CER SMD 3.3	nF X7R 0603	10%	50V	CM105X7R332K50AT	PZ	1,00000 C157	
..3	01	1bb0100289ky	COND CER SMD 22	pF COG 0603	5%	50V	CM105CG220J50VAT	PZ	2,00000 C29 C87	
..3	01	1bb0500050ky	COND TANT SMD	4.7 uF 10V 20% Asize			TAJA475M010R	PZ	3,00000 C28 C40 C227	
..3	01	1bb0500078ky	COND TANT SMD	3.3 uF 10V 20% Asize			TAJA335M010R	PZ	6,00000 C6 C15 C26 C122 C163 C225	
..3	01	1cc0100129mu	INDUT SMD EMI SUPPRESSOR		0.8 R	200mA	BLM21B222SPT	PZ	5,00000 CH1 CH2 CH4 CH8 CH14	
..3	01	1cc0100162mu	INDUT SMD	3.3 nH +/-0.3nH	Qmin12	300mA	LQG11A3N3S00T1	PZ	1,00000 L35	
..3	01	1cc0100163mu	INDUT SMD	5.6 nH +/-0.3nH	Qmin12	300mA	LQG11A5N6S00T1	PZ	1,00000 L29	
..3	01	1cc0100164mu	INDUT SMD	6.8 nH +/-5%	Qmin12	300mA	LQG11A6N8J00T1	PZ	2,00000 L25 L27	
..3	01	1cc0100167mu	INDUT SMD	18 nH +/-5%	Qmin12	300mA	LQG11A18NJ00T1	PZ	4,00000 L9 L18 L19 L57	
..3	01	1cc0100168mu	INDUT SMD	33 nH +/-5%	Qmin12	300mA	LQG11A33NJ00T1	PZ	2,00000 L10 L13	
..3	01	1cc0100169mu	INDUT SMD	39 nH +/-5%	Qmin12	300mA	LQG11A39NJ00T1	PZ	3,00000 L7 L8 L28	
..3	01	1cc0100171mu	INDUT SMD	68 nH +/-5%	Qmin12	300mA	LQG11A68NJ00T1	PZ	4,00000 L1 L15 L16 L40	
..3	01	1cc0100184mu	INDUT SMD	1.2 nH +/-0.3nH	Qmin12	300mA	LQG11A1N2S00T1	PZ	1,00000 L6	
..3	01	1cc0100190mu	INDUT SMD	12 nH +/-5%	Qmin12	300mA	LQG11A12NJ00T1	PZ	1,00000 L14	
..3	00	1dd0100137na	CI ANALOG MTC20		PLL FREQ SYNTH FOR RF PERS COM		LMX2330LTMX	PZ	1,00000 U11	
..3	01	1dd0100138na	CI ANALOG MA05A		LOW POWER OP.AMP RAIL TO RAIL		LMC7101AIM5X	PZ	1,00000 U19	
..3	01	1dd0100141qlc	CI ANALOG QC1 RX AGC AMPLIFIER		CD90-24056-1		Q5500I-1M-TR	PZ	1,00000 U3	
..3	01	1dd0100146hp	CI ANALOG MGA-85563-TR1	S0T363	LOW NOISE GAAS MMIC AMPLIFIER		MGA-85563-TR1	PZ	1,00000 U15	
..3	01	1dd0100163na	CI ANALOG LP2980AI MA05A	50mA	ULTRA LOW-DROPOUT REGULATOR		LP2980AIM5X-3.3	PZ	1,00000 U25	
..3	01	1dd0100200na	CI ANALOG LP2985AI MA05B	150mA	ULTRA LOW-DROPOUT REGULATOR		LP2985AIM5X-3.6	PZ	1,00000 U27	
..3	01	1dd0100201na	CI ANALOG LP2980AI MA05A	50mA	ULTRA LOW-DROPOUT REGULATOR		LP2980AIM5X-3.6	PZ	1,00000 U20	
..3	01	1dd0200065to	CI DG TC7SH04FU SSOP5-P-A		MK H5 HIGH SPEED CMOS INVERTER		TC7SH04FU	PZ	1,00000 U5	
..3	01	1dd0200074sg	CI DG M74HC4052M1R SO16	4 DUAL	CHAN ANOLOG MULTI/DEMULTIPLEX		M74HC4052M1R	PZ	1,00000 U4	
..3	01	1dd0500021sy	MOD RF SPDT ANTENNA SWITCH		TSSOP-10P-L01 SMD		CXG1022TM	PZ	1,00000 U8	

TELITAL SpA			ESPLOSIONE CON RIFERIMENTI SCHEMA		(da ATBTel30)		PAG. 7		
Data di stampa 29/03/99			Data creazione distinta 28/01/99						
Data di validita' 29/03/99			Data ultima modifica 09/02/99						
			Revisione Validita'						
Liv.	Cv	Codice Telital	Descrizione		C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema	PdM
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Assieme	01	2000100257	MODULO RADIO GLOBALSTAR CS661C VERS 15.01.99				Nr.progetto: 0080		
..3	01	1ff0600089ml	CONN F CSTP 50 VIE VERT SMD	P-0.5	52991-0508	PZ	1,00000	SO1	
..3	01	1110500021swt	FILTRO SAW RX 224.88MHz	QUALCOMM CODE CV90-25644-1	855099	PZ	1,00000	FC3	
..3	01	1110500023mu	FILTRO SAW RX S-BAND 2491.75MH	QUALCOMM CODE CV90-25223-1	SAFC2491.75	PZ	2,00000	FC4 FC7	
..3	01	1111300001hc	SINGLE BALANCED MIXER SLM190	IF 100-400 MHz	SLM-190S	PZ	1,00000	MX1	
..3	01	1mm0300015fu	MODULO VCO RX 2280MHz 3.8V	SMD QUALCOMM CODE CV90-25236-1	VC-3R6A20-2267	PZ	1,00000	Y1	2435
..3	01	1nn0100040si	TRANS NPNx2 BFS482	SOT363	Q62702-F1573	PZ	1,00000	Q1	
..3	01	1nn0400001ok	TRANS GASFET 4PSOP 3v 5mA		KGf1522	PZ	1,00000	Q6	
..3	01	1xxzz99002	COMPONENTE DA NON MONTARE			PZ	13,00000	C2 C11 C43 C45 C102 C104 C105 C107 C108	
							C109 R56 R113 R114		
.2	01	1gg3200047	SCHERMO MODULO RADIO PER	SATELLITARE	DIS1228	PZ	1,00000	rif. dis. 2	
.2	01	1hh0700025tps	VITE ACCIAIO TC CR M 1.6x 4	ZINCATO NERO	B911604002	PZ	3,00000	rif. dis. 3	
							-----		
							386,00000		
*** FINE STAMPA ***									

\*\*\* FINE STAMPA \*\*\*

TELITAL SpA		ESPLOSIONE CON RIFERIMENTI SCHEMA		(da ATBTel30)		PAG. 1	
Data di stampa 29/03/99						Data creazione distinta 01/06/98	
Data di validita' 29/03/99						Data ultima modifica 01/06/98	
						Revisione	Validita'
Liv.	Cv Codice Telital	Descrizione		C.Costrut./Nr.Disegno	Um	Quantita'	Riferimento schema
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Assieme	01 2000100201	BASETTA SENSORE OTTICO	CS760 VERS 28.05.98			Nr.progetto:	0080
1	01 1ff0100760	BASETTA C/S OPT SENSOR BOARD	VERS 28.05.98		PZ	1,00000	rif. dis. 1
1	01 1pp0700001si	SENSORE OTTICO SFH-9202 SMD	LIGHT REFLECTION SWITCH	Q62702-P5039	PZ	1,00000	Q1
						-----	
						2,00000	
*** FINE STAMPA ***							