

TLION_BOM (03301XXXXX)				VERSION : 0.3 DATE : 03.10.02					
< TLION_MAIN B'D -13301XXXXX>				Description: PCS 1900 (with WAP & GPRS) / FCC ID: JYCG700					
TLION_MAIN B'D BOTTOM -13301XXXXX									
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval
1		Main PCB	TLION					Custom	
2	3200100398	GSM PROCESSOR	AD6525	1	U101	ADI	ADI	160 BALL LFBGA	
3	3200100477	GSM Analog Baseband Processor	AD6537	1	U102	ADI	ADI	112 term CSP LGA	
4	3200100391	Flash Memory (6416)	M6MGB/T64BM17WG	1	U1	MITSUBISHI	MITSUBISHI	72pin S-CSP	DRAGON
5		IC, RF Chipset	CX74963	1	U501	SKYWORKS	Mungmin		
6		PAM	CX77324	1	U502	SKYWORKS	Mungmin		
7		FEM	DGM018M09	1	U503	EPCOS	EPCOS		
8	3530500022	VCTCXO	VC- TCXO- 212C4	1	U507	KINSEKI	KINSEKI		DRAGON
9		LDO	LP3986-1	1	U508	NS	NS		
10	3114000036	POWER MOSFET (P-Channel)	Si7703EDN	1	Q101	Changnam cor	VISHAY		DRAGON
11	3114000037	MOTOR SWITCH TR	NUD3105LT1	1	Q103	ONSEMI	ONSEMI	SOT23	DRAGON
12	3411100021	VARISTOR	AVLC5S02100P / 100pF	22	V101,V102,V103,V104V105,V106,V107,V108,V109,V110V111,V112,V113,V114,V115,V116,V117,V118,V119,V129,V130,V131	Seojong Elec	AMOTECH	0402	DRAGON
13	3612600040	Backup Battery	NBL414R- TT33	1	BT1	SANYO	SANYO	SMT	DRAGON
14	3530200018	CRYSTAL	Q13MC1461000200/32.768kHz, 12.5pF	1	X101	SEIKO EPSON	SEIKO EPSON	SMT	DRAGON
15	3101000006	DIODE- ZN	CRZ12	1	D104	TOSHIBA	TOSHIBA	SMT	DRAGON
16		SCHOTTKY DIODE	KDR730E	2	D101, D102	KEC	KEC	USC	DRAGON
17	3100500014	DIODE	1SS400	1	D103	Rohm	Rohm		TWINKY
18	3721100070	RF Switch Connector	MS- 156 (02)	1	J501	HIROSE KOREA	HIROSE	SMT	DRAGON
19	3725	SIM Connector	SCK- 6A- 12PT- TF	1	J103	DIABELL	JST	SMT	STYLE
20	3725000029	BATTERY CONTACT	KQ02X2- 3R	1	J104	HIROSE KOREA	HIROSE		CUTE, STYLE
21	3725000024	Earphone Jack	AJ422- 4- SMT	1	J106	Koreana Cor	Koreana Cor	SMT	DRAGON
22	3721100056	CARKIT	KQ01981- 24P	1	J101	HIROSE KOREA	HIROSE	SMT	CUTE
23	3200100361	AUDIO AMP	TPA6203A1	1	U3	TI	TI		
24	3200100478	ANALOG SWITCH	NLAS4684	1	U4	ONSEMI	ONSEMI		
25		ATTENUATOR	ATTENUATOR//RAC101A3CTH,7dB	1	U504				
26	3572200004	ATTENUATOR	ATTENUATOR//RAC101A3CTH,3dB	1	U505	KAMAYA	KAMAYA		
27	3701200008	Tact switch	LS- 10N2	2	SW101, SW102	PLUSTECH	CITIZEN		Accredited
28	3721100076	LCD Connector- 34pin	24- 5602- 034- 002- 829	1	J102	KYOCERA ELCO	KYOCERA ELCO	SMT	
29	3620200004	FUSE	FCC16- 202AD- TP	1	F100	KAMAYA	KAMAYA		
30		Antenna plate contact		1					
31		Plate Solder support	PLATE SOLDER SUPPORT/BsP- 1/2H 0.2T	1					
32		TBD	TBD						
				53					
RESISTOR									
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval
1	2520000001	RES, 0R	MCR01MZSJ000	5	R4,R5,R138,R176,R508	Rohm	Rohm	RES0402	DRAGON
2		RES, 0.27R (2012)	MCR10EZHFRLR270	1	R135	Hanjin Trade	KOA	RES3216	DRAGON
3	2521009001	RES, 10R	MCR01MZSJ100	4	R12,R19,R501,R502	Rohm	Rohm	RES0402	Accredited
4	2521009012	RES, 10R (0603)	MCR03EZHJ100	1	R131	Rohm	Rohm	RES0603	DRAGON
5	2523309001	RES, 33R	MCR01MZSJ330	3	R141,R142,R143	Rohm	Rohm	RES0402	DRAGON
6	2525109001	RES, 51R	MCR01MZSJ510	1	R505	Rohm	Rohm	RES0402	Accredited
7	2521000001	RES, 100R	MCR01MZSJ101	16	R101,R104,R105,R106,R107,R108,R109,R110,R111,R112,R113,R114,R115,R116,R117,R120	Rohm	Rohm	RES0402	DRAGON
8		RES, 110R (F)	MCR01MZSF1100	1	R134	Rohm	Rohm	RES0402	Accredited
9	2520221001	RES, 220R	MCR01MZSJJ221	1	R503	Rohm	Rohm	RES0402	Accredited
10	2520391001	RES, 390R	MCR01MZSJ391	1	R506	Rohm	Rohm	RES0402	Accredited
11	2524700001	RES, 470R	MCR01MZSJ471	2	R6,R154	Rohm	Rohm	RES0402	DRAGON
12	2525100005	RES, 510R	MCR01MZSJ511	2	R504,R507	Rohm	Rohm	RES0402	Accredited
13	2522001001	RES, 2K	MCR01MZSJ202	3	R150,R151,R510	Rohm	Rohm	RES0402	Accredited
14	2523301003	RES, 3.3K	MCR01MZSJ332	1	R133	Rohm	Rohm	RES0402	Zeus
15		RES, 2.2K	MCR01MZSJ222	1	R20				
16	2524121001	RES, 4.12k(1%)	RK73H1ETP4121F	1	R130	Hanjin Trade	KOA	RES0402	DRAGON
17	2525601001	RES, 5.6K	MCR01MZSJ562	1	R509	Rohm	Rohm	RES0402	Accredited
18	2521002001	RES, 10k	MCR01MZSJ103	2	R2,R3	Rohm	Rohm	RES0402	DRAGON
19	2522002003	RES, 20K	MCR01MZSJ203	1	R144	Rohm	Rohm	RES0402	
20		RES, 39K (F)	MCR01MZSF393	1	R511	Rohm	Rohm	RES0402	
21	2521003001	RES, 100k	MCR01MZSJ104	8	R1,R9,R11,R13,R40,R136,R139,R140	Rohm	Rohm	RES0402	DRAGON
22		RES, 1.2M(1%)	MCR01MZSF1204	1	R132	Rohm	Rohm	RES0402	New
23	2522004001	RES, 2M	MCR01MZSJ205	1	R137	Rohm	Rohm	RES0402	DRAGON
24	2521005002	RES, 10M(0603)	MCR03EZHJ106	1	R118	Rohm	Rohm	RES0603	DRAGON
25		TBD	TBD	6	R8,R10,R14,R145,R177				

CAPACITOR									
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval
1	2125080001	CAP, 0.5pF	GRM36C0G0R5C50 /	4	C511, C535, C536, C537	Asung Korea	Murata	CAP0402	
2	2120100002	CAP, 1pF	GRP1555C1H1R0CZ01E	2	C510, C512	Asung Korea	Murata	CAP0402	
3	2122200001	CAP, 22pF	GRM36C0G220J50 / GRP1555C1H220JZ01E	3	C507, C514, C515	Asung Korea	Murata	CAP0402	DRAGON
4	2123300001	CAP, 33pF	GRM36C0G330J50 / GRP1555C1H330JZ01E	20	C1, C3, C5, C9, C14, C15, C18, C20, C21, C160, C161, C162, C163, C184, C215, C220, C221, C225, C538, C546	Asung Korea	Murata	CAP0402	DRAGON
5	2123900002	CAP, 39pF	GRP1555C1H390JZ01E	4	C504, C506, C543, C544	Asung Korea	Murata	CAP0402	
6	2124700001	CAP, 47P	GRP1555C1H470JZ01E / 47pF	2	C513, C545	Asung Korea	Murata	CAP0402	ERP
7	2126800003	CAP, 68P	GRP1555C1H680JZ01E / 68pF	1	C127	Asung Korea	Murata	CAP0402	ERP
8	2121010002	CAP, 100p	GRM36C0G101J50 / GRP1555C1H101JD01E	2	C183, C503	Asung Korea	Murata	CAP0402	DRAGON
9	2122210001	CAP, 220pF	GRP155R71H221JA01E	1	C527	Asung Korea	Murata	CAP0402	
10	2122710003	CAP, 270pF	GRP155R71H271KA01E	1	C517	Asung Korea	Murata	CAP0402	
11	2124710001	CAP, 470pF	GRP155R71H471KA01E	2	C508, C509	Asung Korea	Murata	CAP0402	
12	2126810004	CAP, 680pF	GRP155R71H681JA01E	1	C528	Asung Korea	Murata	CAP0402	
13		CAP, 1nF	GRP155R71H102KA01E	2	C521, C523	Asung Korea	Murata	CAP0402	
14	2123920002	CAP, 3.9nF	GRM36X7R392K50 /	1	C505	Asung Korea	Murata	CAP0402	
15		CAP, 8.2nF (FILM CAP)	ECHU1C822GX5	1	C529	Asung Korea	panasonic	CAP0805	
16	2121030003	CAP, 10nF	GRM36X7R103K16 / GRP155R71C103KA01E	7	C143, C502, C530, C531, C532, C533, C542	Asung Korea	Murata	CAP0402	DRAGON
17	2128230001	CAP, 82nF	GRM36X5R823K10 / GRP155R61A823KA01E	1	C551	Asung Korea	Murata	CAP0402	
18	2121040003	CAP, 100nF	GRM36Y5V104Z16 / GRP155F51C104ZA01E	40	C8, C11, C17, C30, C100, C101, C102, C103, C105, C106, C107, C108, C109, C110, C111, C112, C113, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C141, C148, C158, C174, C501, C516, C518, C519, C520, C525, C526	Asung Korea	Murata	CAP0402	DRAGON
19	2122240005	CAP, 220n	GRM36Y5V224Z10 / GRP155F51A224ZD02E	1	C172	Asung Korea	Murata	CAP0402	DRAGON
20	2121050008	CAP, 1uF	GRM36Y5V105Z6.3 / GRP155F50J105ZD02E	11	C10, C137, C138, C139, C167, C168, C169, C170, C171, C229, C524	Asung Korea	Murata	CAP0402	DRAGON
21	2124750015	CAP, 1uF(0603)	GRM188R60J105KE19D	3	C539, C540, C541	Asung Korea	Murata	CAP0603	
22		CAP, 4.7uF	GRM219R60J475KE01D	1	C12	Asung Korea	Murata	CAP0805	
23	2034790004	CAP, tantalum, 4.7uF	TAJR475M010RNJ/4.7uF	1	C173	KYOCERA	KYOCERA	P	DRAGON
24	2032290002	CAP, Tantalum, 2.2uF	TAJR225M010RNJ	1	C144	KYOCERA	KYOCERA	P	DRAGON
25	2031000004	CAP, Tantalum, 10uF/6.3V	TAJR106M006RNJ-6.3V	7	C28, C114, C140, C146, C149, C155, C164	KYOCERA	KYOCERA	P	DRAGON
26		CAP, 22uF	GRM31CR60J226ME19L	1	C534		murata	CAP3215	
27		TBD	TBD	5	C4, C13, C22, C23, C145				
				126					

INDUCTOR									
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval
1	3500100230	IND, 1nH	LL1005-FH1N0S	2	L509, L510	TOKO	TOKO	IND0402	Accredited
2	3500100290	IND, 1.2nH	LL1005-FH1N2S	1	L504	TOKO	TOKO	IND0402	
3		IND, 1.5nH	LL1005-FH1N5S	1	L503	TOKO	TOKO	IND0402	
4		IND, 2.7nH	LL1005-FH2N7S	1	L511	TOKO	TOKO	IND0402	
5		IND, 12nH	LL1005-FH12NS	1	L505	TOKO	TOKO	IND0402	
6		IND, 27nH	LL1005-FH27NS	1	L512	TOKO	TOKO	IND0402	
7	3500100521	IND, 82nH	LMC1608T-82NJ	1	L502	SUN-A	ABCO	COIL0603	
8		IND, 180nH	LL1608-FSR18J	1	L501	TOKO	TOKO	IND0603	
9	3500100366	IND, 2.2uH	LK1608 2R2K-T	1	L100	TAIYO YUDEN	TAIYO YUDEN	IND0603	ERP
10		TBD	TBD	1	L101				
				11					

		TLION MAIN TOP B'D -13301XXXX								
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval	
1	3330600027	LED(YG)	YG-196	12	D108,D109,D110,D111,D112,D113,D114,D115,D116,D117,D118,D119	PLUS TECH	CITIZEN	1608	DRAGON	
2	3200100286	HALL EFFECT SWITCH	A3212ELH	1	U107	RICHWOOD	ALLEGRO		STYLE	
3	3411100020	VARISTOR	AVLC18S02015P / 15pF	3	V120,V121,V132	Seojong Elec	AMOTECH	0402	DRAGON	
4	3110100013	Tr	2SC5585	1	Q102	Rohm	Rohm	EMT3	DRAGON	
				17						

		RESISTOR								
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval	
1	2520000001	RES, 0R	MCR01MZSJ000	1	R17	Rohm	Rohm	RES0402	DRAGON	
2	2521000001	RES, 100R	MCR01MZSJ101	2	R102,R103	Rohm	Rohm	RES0402	DRAGON	
3		RES, 300R	MCR01MZSF3000	6	R171,R172,R173,R174,R175,R180	Rohm	Rohm	RES0402		
4	2522201001	RES, 2.2K	MCR01MZSJ222	1	R153	Rohm	Rohm	RES0402	DRAGON	
14	2520272001	RES, 2.7K	MCR01MZSJ272	1	R170	Rohm	Rohm	RES0402	DRAGON	
5	2520333001	RES, 33K	MCR01MZSJ333	1	R126	Rohm	Rohm	RES0402		
20	2521003001	RES, 100k	MCR01MZSJ104	1	R41	Rohm	Rohm	RES0402	DRAGON	
6		TBD	TBD	1	R18					
				14						

		CAPACITOR								
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval	
1	2123300001	CAP, 33p	GRM36C0G330J50 / GRP1555C1H330JZ01E	23	C2,C6,C7,C19,C156,C165,C166,C210,C211,C212,C213,C214,216,C217,C218,C219,C222,C223,C224,C226,C227,C228,C232		Murata	CAP0402	DRAGON	
2	2122210001	CAP, 220pF	GRP155R71H221KA01E	1	C130		Murata	CAP0402	DRAGON	
3	2121050008	CAP, 1uF	GRM36Y5V105Z6.3 / GRP155F50J105ZD02E	1	C230		Murata	CAP0402	DRAGON	
4		TBD	TBD							
				25						

INDUCTOR										
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval	
1	3540200009	BEAD, 600ohm	BLM18HK601SN1D	2	B101,B102	Murata Korea	Murata	BEAD0805	DRAGON	

< TLION ASS'Y LCD -13301XXXX >										
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval	
1	33305	LCD MODULE (65K, 1.6")				TOPPOLY	TOPPOLY		New	
2	30430	FPCB LCD				TBD	TBD		DRAGON	
3	30430	FPCB GROUND							DRAGON	
4	30430	FPCB LED							DRAGON	
5	35505	SPEAKER()				MIC	MIC		DRAGON	

< TLION ASS'Y MOTOR -30114XXXX >										
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval	
1	30114	MOTOR(COIN TYPE)		1	V1		NIDEC COPAL	Contact Type	DRAGON	

< TLION ASSY BACK LOWER -62010XXXX >										
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval	
1	35716	TLION ANT		1	SMT		ACE	Custom	New	

< TLION ASS'Y BATT STANDARD -36126XXXX >										
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval	
1		BATTERY CELL(STD.)		1		BYD	BYD		New	

<TLION ACCESSORY BOM -13300***** >										
NO	Code No	PART DESCRIPTION	ORDERING CODE	Q'TY	REF. NO.	VENDOR	MANUFACTURE	PACKAGE	Approval	
1	3610200033	CUTE ADAPTOR	TA3521-EU/CN	1		ANAM Instruments	ANAM Instruments			
2	*	Earphone Ass'y	option	1						
3	*	Desktop Charger	TBD	1		TBD	TBD	TBD		
4	*	User Guide	TBD	1		TBD	TBD	TBD		
5	*	Ear-Phone(Remote On/Off)	option	1		TBD	TBD	TBD		
6	*	Cigar-Jack Charger	option	1		TBD	TBD	TBD		
7	*	Data/Fax Level trans support RS-232	option	1		TBD	TBD	TBD		
8	*	Leather Case	option	1		TBD	TBD	TBD		
9	*	Lanyard	option	1		TBD	TBD	TBD		