



The Whistler Group
168 Ayer Road, Littleton, MA 01460, USA

DECLARATION OF IDENTITY

Manufacturer Name : **Whistler Group, Inc.**

Model Name: **PRO-649**

Product Description : **200CH Handheld Radio Scanner**

Certification date: **April. 7, 2014**

We hereby declare that changed model is mechanically and technically identical to original model except as next page,

Sincerely,

Best Regards

A handwritten signature in black ink, reading 'Michael A. Batten', is written over a horizontal line.

Michael A. Batten

Senior Project Engineer

Section	From				Remarks	To				Remarks
	Ref.no	Description		Part No.		Ref.no	Description		Part No.	
Mechanical PL	5	ETC ELEC ASS'Y			DELETE	2				COMBINED
		SPEAKER WIRE		UL1571 AWG28 L=98mm 2 PIN	ASS'Y CHANGED		SPEAKER WIRE		UL1571 AWG28 L=98mm 2 PIN	ASS'Y CHANGED
		LCD INTERCONNECTOR		GR-06D-1052	ASS'Y CHANGED		LCD INTERCONNECTOR		GR-06D-1052	ASS'Y CHANGED
		SPEAKER		GR-05D-3360	ASS'Y CHANGED		SPEAKER		GR-05D-3360	ASS'Y CHANGED
LOGIC TOP+BOT => LOGIC PCB ASSY						11	PCB	LOGIC 2L FR-4 T=1.0mm	70834032730	ADD
	C215	CAP CHIP	0.001uF 50V +/-10%	GRM188(R7/B1)1H102K	CHANGED	C215	CAP CHIP	(0603) 0.01uF 50V +/-10%	GRM188(R7/B1)1H103K(A01D/Z01D)	CHANGED
	C216	CAP CHIP TANTAL	10uF 10V +/-20%	TCSCS1A106MP	DELETE					
	C217	CAP CHIP	22pF 50V +/-5%	GRM1885C1H220J(A01D/Z01D)	DELETE					
	C218	CAP CHIP	22pF 50V +/-5%	GRM1885C1H220J(A01D/Z01D)	DELETE					
	C219	CAP CHIP	47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	DELETE					
	C225	CAP CHIP	47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	CHANGED	C225	CAP CHIP	(0603) 0.001uF 50V +/-5%	GRM188(5C/2C)1H102J(A01D/Z01D)	CHANGED
	C228	CAP CHIP	0.001uF 50V +/-10%	GRM188(R7/B1)1H102K	CHANGED	C228	CAP CHIP	(0603) 0.001uF 50V +/-5%	GRM188(5C/2C)1H102J(A01D/Z01D)	CHANGED
	C233	CAP CHIP	100pF 50V +/-5%	GRM1885C1H101J(A01D/Z01D)	CHANGED	C233	CAP CHIP	(0603) 0.01uF 50V +/-10%	GRM188(R7/B1)1H103K(A01D/Z01D)	CHANGED
	C234	CAP CHIP	100pF 50V +/-5%	GRM1885C1H101J(A01D/Z01D)	CHANGED	C234	CAP CHIP	(0603) 22pF 50V +/-5%	GRM1885C1H220J(A01D/Z01D)	CHANGED
	C235	CAP CHIP	100pF 50V +/-5%	GRM1885C1H101J(A01D/Z01D)	CHANGED	C235	CAP CHIP	(0603) 22pF 50V +/-5%	GRM1885C1H220J(A01D/Z01D)	CHANGED
	C236	CAP CHIP	100pF 50V +/-5%	GRM1885C1H101J(A01D/Z01D)	CHANGED	C236	CAP CHIP	SMD(P CASE 0805)10uF 10V	TCSCS1A106MP	CHANGED
	C237	CAP CHIP	100pF 50V +/-5%	GRM1885C1H101J(A01D/Z01D)	CHANGED	C237	CAP CHIP	SMD(0805) 1uF 10V +/-20	TCSCS1C105MP/TCP1A105M8R	CHANGED
	C244	CAP CHIP	100pF 50V +/-5%	GRM1885C1H101J(A01D/Z01D)	CHANGED	C244	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	CHANGED
	C245	CAP CHIP	100pF 50V +/-5%	GRM1885C1H101J(A01D/Z01D)	CHANGED	C245	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	CHANGED
	C246	CAP CHIP	100pF 50V +/-5%	GRM1885C1H101J(A01D/Z01D)	CHANGED	C246	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	CHANGED
						C251	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C252	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C253	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C254	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C255	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C256	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C257	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C258	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C261	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C262	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C263	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C264	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C265	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C270	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C271	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C272	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C273	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C274	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C275	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C276	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C277	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C278	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C279	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C280	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C281	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C282	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C283	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C284	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C285	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C286	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD

LOGIC TOP+BOT
=> LOGIC PCB ASSY

						C287	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C289	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C290	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C291	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C292	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C293	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C294	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C295	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C296	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C297	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C298	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C299	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C300	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						C301	CAP CHIP	(0603)47pF 50V +/-5%	GRM1885C1H470J(A01D/Z01D)	ADD
						D208	DIODE	SMD, (MARKING S3)	1SS357(TPH3,F)/CUS357	ADD
						D209	DIODE	SMD, (MARKING S3)	1SS357(TPH3,F)/CUS357	ADD
	IC201	IC SMD	CPU	MN101C38CGP(GRE-0510)	CHANGED	IC201	IC SMD	CPU	MN101EF29G	CHANGED
	R224	RES CHIP	470K ohm 1/10W +/-5%	MCR03EZPJ474	DELETE					
	R225	RES CHIP	47K ohm 1/10W +/-5%	MCR03EZPJ473	CHANGED	R225	RES CHIP	(0603) 24K ohm 1/10W +/-	MCR03EZPJ243	CHANGED
	R226	RES CHIP	47K ohm 1/10W +/-5%	MCR03EZPJ473	CHANGED	R226	RES CHIP	(0603) 100K ohm 1/10W +	MCR03EZPJ104	CHANGED
	R227	RES CHIP	47K ohm 1/10W +/-5%	MCR03EZPJ473	CHANGED	R227	RES CHIP	(0603) 100K ohm 1/10W +	MCR03EZPJ104	CHANGED
	R228	RES CHIP	18K ohm 1/10W +/-5%	MCR03EZPJ183	CHANGED	R228	RES CHIP	(0603) 100K ohm 1/10W +	MCR03EZPJ104	CHANGED
	R231	RES CHIP	3.3K ohm 1/10W +/-5%	MCR03EZPJ332	CHANGED	R231	RES CHIP	(0603) 1K ohm 1/10W +/-	MCR03EZPJ102	CHANGED
	R237	RES CHIP	47K ohm 1/10W +/-5%	MCR03EZPJ473	CHANGED	R237	RES CHIP	(0603) 10K ohm 1/10W +/-	MCR03EZPJ103	CHANGED
	R238	RES CHIP	1K ohm 1/10W +/-5%	MCR03EZPJ102	DELETE					
	R239	RES CHIP	47K ohm 1/10W +/-5%	MCR03EZPJ473	CHANGED	R239	RES CHIP	(0603) 1K ohm 1/10W +/-	MCR03EZPJ102	CHANGED
	R241	RES CHIP	1K ohm 1/10W +/-5%	MCR03EZPJ102	DELETE					
						R251	RES CHIP	(0603) 47K ohm 1/10W +/-	MCR03EZPJ473	ADD
						R252	RES CHIP	(0603) 47K ohm 1/10W +/-	MCR03EZPJ473	ADD
						R253	RES CHIP	(0603) 47K ohm 1/10W +/-	MCR03EZPJ473	ADD
						R254	RES CHIP	(0603) 47K ohm 1/10W +/-	MCR03EZPJ473	ADD
						R256	RES CHIP	(0603) 47K ohm 1/10W +/-	MCR03EZPJ473	ADD
						R257	RES CHIP	(0603) 47K ohm 1/10W +/-	MCR03EZPJ473	ADD
						R258	RES CHIP	(0603) 47K ohm 1/10W +/-	MCR03EZPJ473	ADD
						R261	RES CHIP	(0603) 680 ohm 1/10W +/-	MCR03EZPJ681	ADD
						R262	RES CHIP	(0603) 1K ohm 1/10W +/-	MCR03EZPJ102	ADD
						R263	RES CHIP	(0603) 47K ohm 1/10W +/-	MCR03EZPJ473	ADD
						R265	RES CHIP	(0603) 1K ohm 1/10W +/-	MCR03EZPJ102	ADD
						R266	RES CHIP	(0603) 47K ohm 1/10W +/-	MCR03EZPJ473	ADD
						R267	RES CHIP	(0603) 3.3K ohm 1/10W +/-	MCR03EZPJ332	ADD
						R268	RES CHIP	(0603) 470K ohm 1/10W +	MCR03EZPJ474	ADD
						R269	RES CHIP	(0603) 10K ohm 1/10W +/-	MCR03EZPJ103	ADD
						R270	RES CHIP	(0603) 3.3K ohm 1/10W +/-	MCR03EZPJ332	ADD
						R271	RES CHIP	(0603) 470K ohm 1/10W +	MCR03EZPJ474	ADD
						R276	RES CHIP	(0603) 10K ohm 1/10W +/-	MCR03EZPJ103	ADD
						R277	RES CHIP	(0603) 4.7K ohm 1/10W +/-	MCR03EZPJ472	ADD
						RA200	RES CHIP	BLOCK 1Kohm 1/16W +/-5%	CN1J4TTD102J	ADD
						RA206	RES CHIP	BLOCK 1Kohm 1/16W +/-5%	CN1J4TTD102J	ADD
						RA207	RES CHIP	BLOCK 1Kohm 1/16W +/-5%	CN1J4TTD102J	ADD
						RA208	RES CHIP	BLOCK 1Kohm 1/16W +/-5%	CN1J4TTD102J	ADD
						RA209	RES CHIP	BLOCK 1Kohm 1/16W +/-5%	CN1J4TTD102J	ADD

LINEAR TOP + BOT => LINEAR PCB ASSY						17	PCB	LINEAR 2L FR-4 T=1.0mm	70834132730	ADD
						C131	CAP CHIP	(0603) 20pF 50V +/-5%	GRM1885C1H200J(A01D/Z01D)	ADD
	C67	CAP ELECT	5X11 100uF 16V +/-20%	UVR1C101MDD	CHANGED	C67	CAP CHIP	SMD(0603) 4.7uF 6.3V +/-1	GRM188R60J475KE19	CHANGED
	C68	CAP ELECT	5X11 33uF 50V +/-20%	UVR1H330MDD	CHANGED	C68	CAP CHIP	SMD(0603) 0.1uF 16V +/-1	GRM188R71C104K(A01D/Z01D)	CHANGED
	C69	CAP ELECT	4X7 4.7uF 35V +/-20%	USA1V4R7MDD	CHANGED	C69	CAP ELECT	(5X11)33uF 50V +/-20%	UVR1H330MDD	CHANGED
	D1	CHIP DIODE	MARKING 3	HVC306A-8TRF/TRU-E	CHANGED	D1	DIODE	SMD VARICAPS	BB664-02V	CHANGED
	D10	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D10	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D12	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D12	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D14	CHIP DIODE	MARKING V	HVC308A-TRF-E	CHANGED	D14	DIODE	SMD VARICAPS	BB565-02V	CHANGED
	D15	CHIP DIODE	MARKING V	HVC308A-TRF-E	CHANGED	D15	DIODE	SMD VARICAPS	BB565-02V	CHANGED
	D16	CHIP DIODE	MARKING 3	HVC306A-8TRF/TRU-E	CHANGED	D16	DIODE	SMD VARICAPS	BB664-02V	CHANGED
	D17	CHIP DIODE	MARKING 3	HVC306A-8TRF/TRU-E	CHANGED	D17	DIODE	SMD VARICAPS	BB664-02V	CHANGED
	D18	CHIP DIODE	MARKING 3	HVC306A-8TRF/TRU-E	CHANGED	D18	DIODE	SMD VARICAPS	BB664-02V	CHANGED
	D19	CHIP DIODE	MARKING V	HVC308A-TRF-E	CHANGED	D19	DIODE	SMD VARICAPS	BB565-02V	CHANGED
	D2	CHIP DIODE	MARKING 3	HVC306A-8TRF/TRU-E	CHANGED	D2	DIODE	SMD VARICAPS	BB664-02V	CHANGED
	D20	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D20	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D21	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D21	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D22	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D22	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D24	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D24	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D25	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D25	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D26	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D26	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D3	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D3	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
						D33	DIODE	SMD, (MARKING S3)	1S5357(TPH3,F)/CUS357	ADD
	D4	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D4	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D5	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D5	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D6	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D6	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	D7	CHIP DIODE	MARKING V	HVC308A-TRF-E	CHANGED	D7	DIODE	SMD VARICAPS	BB565-02V	CHANGED
	D8	CHIP DIODE	MARKING V	HVC308A-TRF-E	CHANGED	D8	DIODE	SMD VARICAPS	BB565-02V	CHANGED
	D9	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D9	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED
	IC2	IC SMD	DC-DC CONVERTOR	TK11819MTL-G	CHANGED	IC2	IC SMD	DC-DC CONVERTOR	AP3015A	CHANGED
	IC8	IC SMD	VOLTAGE REGULATOR	TK11235CMCL-G	CHANGED	IC8	IC SMD	VOLTAGE REGULATOR	XC6209E/F352MR(-G)	CHANGED
	IC9	IC SMD	VOLTAGE REGULATOR	TK11235CMCL-G	CHANGED	IC9	IC SMD	VOLTAGE REGULATOR	XC6209E/F352MR(-G)	CHANGED
	L12	CHIP COIL		GR-D864	CHANGED	L12	CHIP INDUCTOR	SMD 22uH +/-10%	LB3218T220K	CHANGED
	Q1	CHIP TRANSISTOR	MARKING V11	3SK131-(V11)T1/T2/T2B-A	CHANGED	Q1	CHIP TRANSISTOR	SMD,FET	BF908R	CHANGED
	Q3	CHIP TRANSISTOR	MARKING V13	3SK131-T2A-V13	CHANGED	Q3	CHIP TRANSISTOR	SMD,FET	BF908R	CHANGED
	Q4	CHIP TRANSISTOR	MARKING HE	2SC4250	CHANGED	Q4	CHIP TRANSISTOR	SMD, NPN (MARKING RF)	2SC4250(Te85L/R,F)	CHANGED
	Q5	CHIP TRANSISTOR	MARKING HE	2SC4250	CHANGED	Q5	CHIP TRANSISTOR	SMD, NPN (MARKING RF)	2SC4250(Te85L/R,F)	CHANGED
	Q6	CHIP TRANSISTOR	MARKING HE	2SC4250	CHANGED	Q6	CHIP TRANSISTOR	SMD, NPN (MARKING RF)	2SC4250(Te85L/R,F)	CHANGED
	Q7	CHIP TRANSISTOR	MARKING QO	2SC4250	CHANGED	Q7	CHIP TRANSISTOR	SMD, NPN (MARKING QO)	2SC4215-O(Te85L/R,F)	CHANGED
	R71	RES CHIP	1K ohm 1/10W +/-5%	MCR03EZPJ102	CHANGED	R71	RES CHIP	(0603) 2M ohm 1/10W +/-	MCR03EZPF2004	CHANGED
	R72	RES CHIP	220 ohm 1/10W +/-5%	MCR03EZPJ220	CHANGED	R72	RES CHIP	(0603) 107K ohm 1/10W +/-	MCR03EZPF1073	CHANGED
	R73	RES CHIP	470K ohm 1/10W +/-5%	MCR03EZPJ474	DELETE					