



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 that reads "Michael A. Batten".

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	

						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
						R255	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

LOGIC TOP+BOT
=> LOGIC 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	CHANGED
C68	CAP ELECT	5X11 33uF 50V +/-20%	UVR1H330MDD	CHANGED	C68	CAP CHIP	SMD(0603) 0.1uF 16V +/-1	GRM188R71C104K(A01D/Z01D)	CHANGED	CHANGED
C69	CAP ELECT	4X7 4.7uF 35V +/-20%	USA1V4R7MDD	CHANGED	C69	CAP ELECT	(5X11)33uF 50V +/-20%	UVR1H330MDD	CHANGED	CHANGED
D1	CHIP DIODE	MARKING 3	HVC306A-8TRF/TRU-E	CHANGED	D1	DIODE	SMD VARICAPS	BB664-02V	CHANGED	CHANGED
D10	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D10	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
D12	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D12	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
D14	CHIP DIODE	MARKING V	HVC308A-TRF-E	CHANGED	D14	DIODE	SMD VARICAPS	BB565-02V	CHANGED	CHANGED
D15	CHIP DIODE	MARKING V	HVC308A-TRF-E	CHANGED	D15	DIODE	SMD VARICAPS	BB565-02V	CHANGED	CHANGED
D16	CHIP DIODE	MARKING 3	HVC306A-8TRF/TRU-E	CHANGED	D16	DIODE	SMD VARICAPS	BB664-02V	CHANGED	CHANGED
D17	CHIP DIODE	MARKING 3	HVC306A-8TRF/TRU-E	CHANGED	D17	DIODE	SMD VARICAPS	BB664-02V	CHANGED	CHANGED
D18	CHIP DIODE	MARKING 3	HVC306A-8TRF/TRU-E	CHANGED	D18	DIODE	SMD VARICAPS	BB664-02V	CHANGED	CHANGED
D19	CHIP DIODE	MARKING V	HVC308A-TRF-E	CHANGED	D19	DIODE	SMD VARICAPS	BB565-02V	CHANGED	CHANGED
D2	CHIP DIODE	MARKING 3	HVC306A-8TRF/TRU-E	CHANGED	D2	DIODE	SMD VARICAPS	BB664-02V	CHANGED	CHANGED
D20	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D20	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
D21	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D21	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
D22	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D22	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
D24	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D24	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
D25	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D25	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
D26	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D26	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
D3	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D3	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	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	CHANGED
D5	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D5	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
D6	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D6	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
D7	CHIP DIODE	MARKING V	HVC308A-TRF-E	CHANGED	D7	DIODE	SMD VARICAPS	BB565-02V	CHANGED	CHANGED
D8	CHIP DIODE	MARKING V	HVC308A-TRF-E	CHANGED	D8	DIODE	SMD VARICAPS	BB565-02V	CHANGED	CHANGED
D9	CHIP DIODE	MARKING 3	HSC277-TRF-E	CHANGED	D9	DIODE	SMD ESC (MARKING UD)	KDS114E	CHANGED	CHANGED
IC2	IC SMD	DC-DC CONVERTOR	TK11819MTL-G	CHANGED	IC2	IC SMD	DC-DC CONVERTOR	AP3015A	CHANGED	CHANGED
IC8	IC SMD	VOLTAGE REGULATOR	TK11235CMCL-G	CHANGED	IC8	IC SMD	VOLTAGE REGULATOR	XC6209E/F352MR(-G)	CHANGED	CHANGED
IC9	IC SMD	VOLTAGE REGULATOR	TK11235CMCL-G	CHANGED	IC9	IC SMD	VOLTAGE REGULATOR	XC6209E/F352MR(-G)	CHANGED	CHANGED
L12	CHIP COIL		GR-D864	CHANGED	L12	CHIP INDU	SMD 22uH +/-10%	LB3218T220K	CHANGED	CHANGED
Q1	CHIP TRANSISTOR	MARKING V11	3SK131-(V11)T1/T2/T2B-A	CHANGED	Q1	CHIP TRAN	SMD,FET	BF908R	CHANGED	CHANGED
Q3	CHIP TRANSISTOR	MARKING V13	3SK131-T2A-V13	CHANGED	Q3	CHIP TRAN	SMD,FET	BF908R	CHANGED	CHANGED
Q4	CHIP TRANSISTOR	MARKING HE	2SC4250	CHANGED	Q4	CHIP TRAN	SMD, NPN (MARKING RF)	2SC4250(TE85L/R,F)	CHANGED	CHANGED
Q5	CHIP TRANSISTOR	MARKING HE	2SC4250	CHANGED	Q5	CHIP TRAN	SMD, NPN (MARKING RF)	2SC4250(TE85L/R,F)	CHANGED	CHANGED
Q6	CHIP TRANSISTOR	MARKING HE	2SC4250	CHANGED	Q6	CHIP TRAN	SMD, NPN (MARKING RF)	2SC4250(TE85L/R,F)	CHANGED	CHANGED
Q7	CHIP TRANSISTOR	MARKING QO	2SC4250	CHANGED	Q7	CHIP TRAN	SMD, NPN (MARKING QO)	2SC4215-O(TE85L/R,F)	CHANGED	CHANGED
R71	RES CHIP	1K ohm 1/10W +/-5%	MCR03EZPJ102	CHANGED	R71	RES CHIP	(0603) 2M ohm 1/10W +/-	MCR03EZPF2004	CHANGED	CHANGED
R72	RES CHIP	220 ohm 1/10W +/-5%	MCR03EZPJ220	CHANGED	R72	RES CHIP	(0603) 107K ohm 1/10W +	MCR03EZPF1073	CHANGED	CHANGED
R73	RES CHIP	470K ohm 1/10W +/-5%	MCR03EZPJ474	DELETE						

LINEAR TOP + BOT
=> LINEAR PCB ASSY