

## DECLARATION OF SIMILARITY

Date: 19 November 2014

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RE: Declaration of Similarity  
FCC ID: 2AB66480  
IC ID: 11887A-480

To Whom It May Concern:

Please be advised that the models J480T-268, J480T-26 and J480T-6 are electronically similar, all RF measurements and test results are exactly the same.

The differences between the models are:

J480T-268 is the top end model measuring at angles 20, 60 & 85°.

J480T-26 measures at angles 20 & 60°. It therefore has the photo LED, photo diode, lenses, prisms and operational amplifiers associated with the 85° measurement are removed.

J480T-6 measures at angle 60°. It therefore has the photo LED, photo diode, lenses, prisms and operational amplifiers associated with the 20 & 85° measurements are removed.

The Measurement PCB schematic, 25010 Measure Board Iss1.pdf, shows all the components on all the J480T builds. The component changes to this schematic for each build are as follows and 'Epicor' refers to Elcometer's ERP software.

Items removed from 25010 Measure Board Iss1.pdf to create the J480T-268 build are:

Item	Qty	Part	Footprint	Epicor	Reference
42	2	ZXM61N02F	SOT23-123	16067	Q8,Q9
46	3	10K	R-0603	NF	R48,R49,R50
51	2	OR	R-0603	16572-0	R62,R66

Items removed from 25010 Measure Board Iss1.pdf to create the J480T-26 build are:

Item	Qty	Part	Footprint	Epicor	Reference
2	1	18p	C-0603	16573-16	C77
4	2	100n	C-0603	16576-33	C78,C81
7	1	180p	C-0603	16573-28	C82
32	2	10uH	INDUCTOR_L PS3015	27000	L16,L17
41	1	ZXM61P02F	SOT23-123	16569	Q3
42	2	ZXM61N02F	SOT23-123	16067	Q8,Q9
44	1	1M	R-0603	16572-145	R61
45	2	10R	R-0603	16572-25	R59,R63
46	4	10K	R-0603	16572-97	R13,R48,R49,R50
47	1	100K	R-0603	16572-121	R64
65	2	5-Way Zif	5W_1MMP_ NONZIF	27017	SK3,SK6
68	2	MAX4122	SOT-23/5PIN	19918	U11,U15
51	2	0R	R-0603	16572-0	R62,R66

Items removed from 25010 Measure Board Iss1.pdf to create the J480T-6 build are:

Item	Qty	Part	Footprint	Epicor	Reference
2	2	18pF	C0603	16573-16	C1,C77
4	6	100nF	C0603	16576-33	C13,C46,C49,C5,C78,C81
7	2	180pF	C0603	16573-28	C14,C82
32	4	10uH	INDUCTOR_L PS3015	27000	L1,L2,L16,L17
41	2	ZXM61P02F	SOT23std	16569	Q1,Q3
42	2	ZXM61N02F	SOT23-123	16067	Q8,Q9
44	2	1.0M	R0603	16572-145	R1,R61
45	4	10R	R0603	16572-25	R2,R7,R59,R63
46	5	10k	R0603	16572-97	R11,R13,R48,R49,R50
47	2	100k	R0603	16572-121	R6,R64
65	4	5-Way Zif	5W_1MMP_ NONZIF	27017	SK1,SK3,SK4,SK6
67	2	MAX4524L	MSOP10-5	27005	U1,U3
68	4	MAX4122	SOT23-5	19918	U11,U15,U2,U4

The Bluetooth module used in the products is the Blue Creation BC127 which has an FCC Identifier of SSSBC127-X with an output power of 0.00228 W.

Thank you for your attention to this matter.

Yours faithfully

Elcometer Limited

A handwritten signature in black ink, appearing to read 'N. Carey'.

Nick Carey

Testing and Standards Engineer