

## Heddolf Products Ltd.

Date:2017-3-14

Subject: authorization for adding family models

To whom it May concern,

### Statement

We would like to confirm the models KG220A, KG220, KP220A, KP220, KL220, KL220A, KS220, KS220A, KX220, KX220A, KO220, KO220A, KC220, KC220A, KM220, KM220A are same in all respects, the difference please refer to the below table.

	KP220A	KP220	KO220A	KO220	KC220A
Buzzer components: SW2 Q4 Q5 R15 R23 R5 C23 R36 C26 C24 C27 L3 B1 R48 R49	√	X	√	X	√
SW1	3 condition 9 bits	3 condition 9 bits	3 conditon 9 bits	3 condition 9 bits	3 condition 9 bits
R6	X	X	X	X	X
R7	√	√	√	√	√
D5	√	√	√	√	√
D4, IC6 HC300	X	X	X	X	X

	KC220	KG220A	KG220	KL220A	KL220
Buzzer components: SW2 Q4 Q5 R15 R23 R5 C23 R36 C26 C24 C27 L3 B1 R48 R49	X	√	X	√	X
SW1	3 condition 9 bits	2 condition 12 bits	2 conditon 12 bits	2 condition 8 bits	2 condition 8 bits
R6	X	√	√	√	√
R7	√	X	X	X	X
D5	√	√	√	√	√
D4, IC6 HC300	X	X	X	X	X

	KM220A	KM220	KS220A	KS220	KX220A	KX220
Buzzer components: SW2 Q4 Q5 R15 R23 R5 C23 R36 C26 C24 C27 L3 B1 R48 R49	✓	X	✓	X	✓	X
SW1	2 condition 10 bits	2 condition 10 bits	2 conditon 10 bits	2 condition 10 bits	X	X
R6	✓	✓	✓	✓	X	X
R7	X	X	X	X	X	X
D5	✓	✓	✓	✓	X	X
D4, IC6 HC300	X	X	X	X	✓	✓

Mark: ✓ means has the element, X means has not the element.

Yours sincerely,

Ho Pan CHAN

[signature]

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[Heddolf Products Ltd.]