Display Jumper

Beginning in October 2001, a new manufacturer's display was phased in to the AccuLoad III. This new display separates a little differently than the old display, and requires a different configuration to achieve the light/dark contrast necessary for easy viewing. Jumpers J5 and J6 on the KDC board configures the contrast for each of the displays. Be sure to position the jumpers in the manner appropriate for each display, as indicated below.

For units shipped prior to October 2001: J6 must be in the "in" position. These displays have a silver bezel, and are Optrex Model DMF5003N.

For units shipped in October 2001 and at all times thereafter: J6 must be in the "out" position. These displays have a black bezel, and are Model MTG-2406.

For units shipped in August 2005 and at all times thereafter: all AccuLoad's that have revision "B" display modules Smith P/N 236068-101 and 236068-1-02 must use firmware ALIII X version 10.13 or greater. In addition KDC jumper J5 must be in the "IN" position, and J6 must be in the "OUT" position. The displays are identified in the silkscreen on the back of the board as follows:

MTB-289
PB-289 REV-A

MTB-289
PB-289 REV-B

If the AccuLoad III has any other version of software other than ALS version 4 or less then ALX Rev 10.13 U5 and U6 proms can be used, if ALS version 4 or less is installed then the entire firmware set will need to be replaced with ALS version 9.02 firmware.

Note: *Ship dates may be irrelevant if the board has been changed or serviced.*

Jumper Number	Special Function	Replacement Board Default Positions AccuLoad III S, N4	AccuLoad I to III Upgrade	AccuLoad II to III Upgrade	AccuLoad III-Q or SA Hardware
J1		In	In	In	In
J2	Keyboard Type	In	Out	Out	In
J3	Keyboard Type	In	In	Out	In
J4		Out	Out	Out	Out
J5*	Display	In	In	In	In
J6*	Display Type	Out	Out	Out	Out
J7		Out	Out	Out	Out
J8	Display/Keypad Format	Out	In	In	Out
J9		Out	Out	Out	Out
J10		Not Used	Not Used	Not Used	Not Used
J11		In	In	In	In
J12		Not Used	Not Used	Not Used	Not Used
J13		In	In	In	In
J14		Not Used	Not Used	Not Used	Not Used
J15		In	In	In	In
J16		Out	Out	Out	Out
J17		Not Used	Not Used	Not Used	Not Used
J18		In	In	In	In
J19		Not Used	Not Used	Not Used	Not Used
J20		In	In	In	In
J21		Not Used	Not Used	Not Used	Not Used
J22		Out	Out	Out	Out
J23**	BSE Board	Out	Out	(S) Out / (Q) In	In
J24**	Second Display	Out	Out	(S) Out / (Q) In	In
J25		Out	Out	Out	Out
J26		In	In	In	In

Table 1. Jumper Position Summary

Note: *See Figure 2 for Replacement Board Default Jumper Positions*
See Figure 3 for AccuLoad I to III Upgrade Jumper Positions
See Figure 4 for AccuLoad II to III Upgrade Jumper Positions
See Figure 5 for AccuLoad III-Q or SA Hardware Jumper Positions

*** S hardware is in the out position, Q hardware is in the in position*
** See page 1 "Display Jumper"*

Replacement Board Default Jumper Position

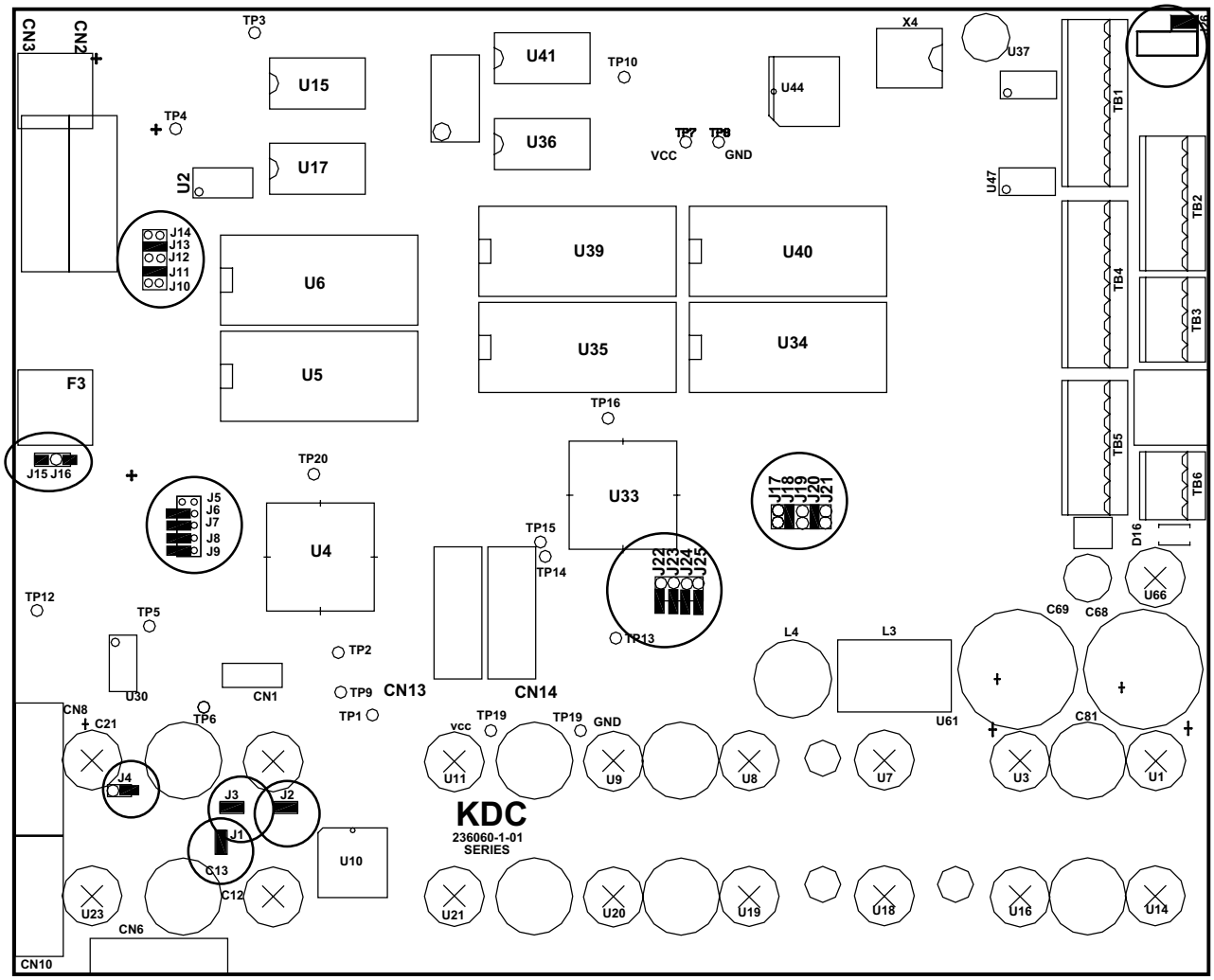

Figure 1. KDC Layout

1 – In	5 – *	9 – Out	13 – In	17 – Not Used	21 – Not Used	25 – Out
2 – In	6 – Out *	10 – Not Used	14 – Not Used	18 – In	22 – Out	26 – In
3 – In	7 – Out	11 – In	15 – In	19 – Not Used	23 – Out	
4 – Out	8 – Out	12 – Not Used	16 – Out	20 – In	24 – Out	

** **Note:** See page 1.*

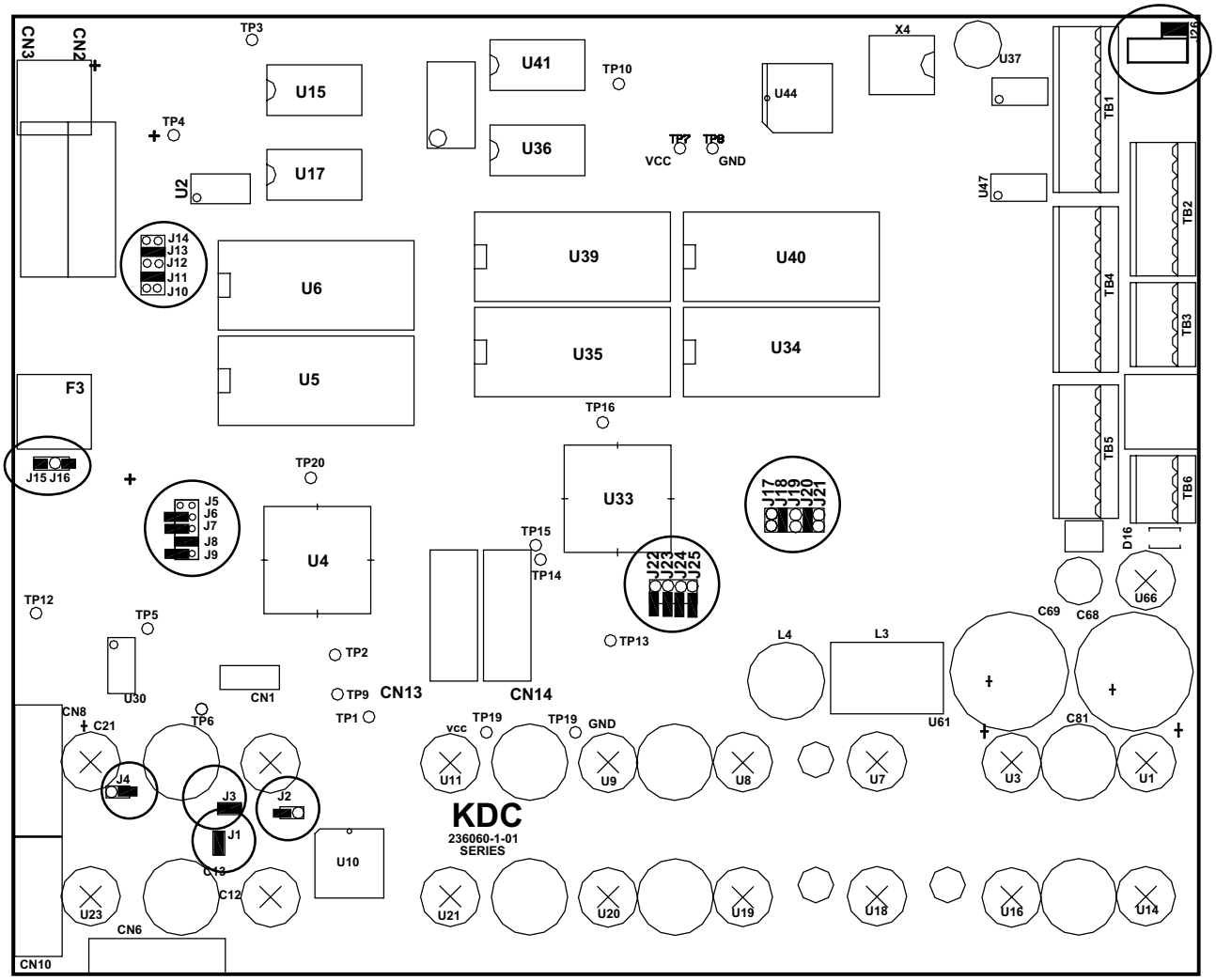

Figure 2. KDC Layout

Keyboard Setting		Display Setting	
J2 – Out	J3 – In	J5 – *	J8 – In

* ***Note:*** *See page 1.*

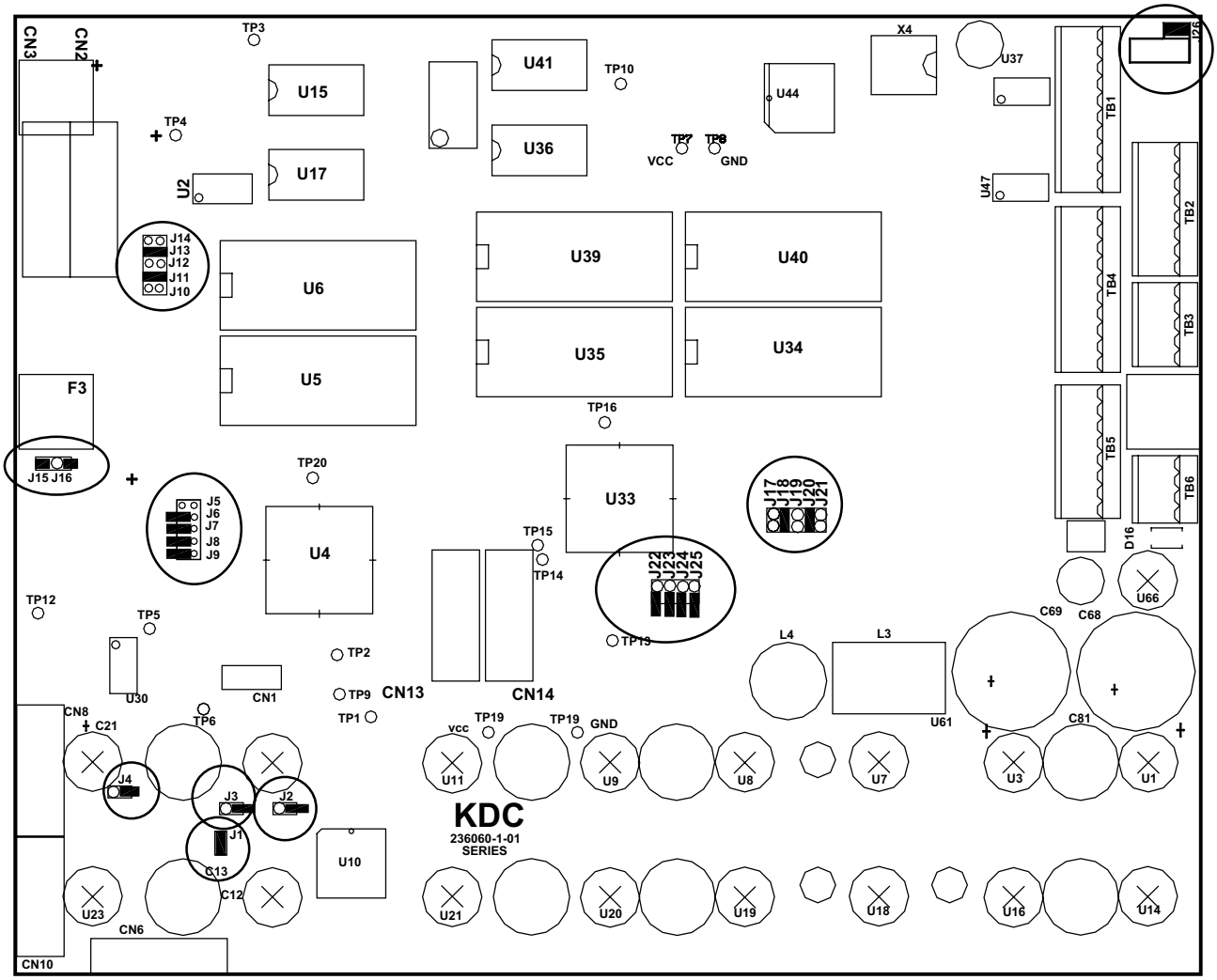

Figure 3. KDC Layout

Keyboard Setting		Display Setting		BSE Board	2nd Display
J2 – Out	J3 – Out	J5 – *	J8 – Out	J23 – **	J24 – **

** **Note:** See page 1.*
*** S hardware J23 and J24 are out, Q hardware J23 and J24 are in.*

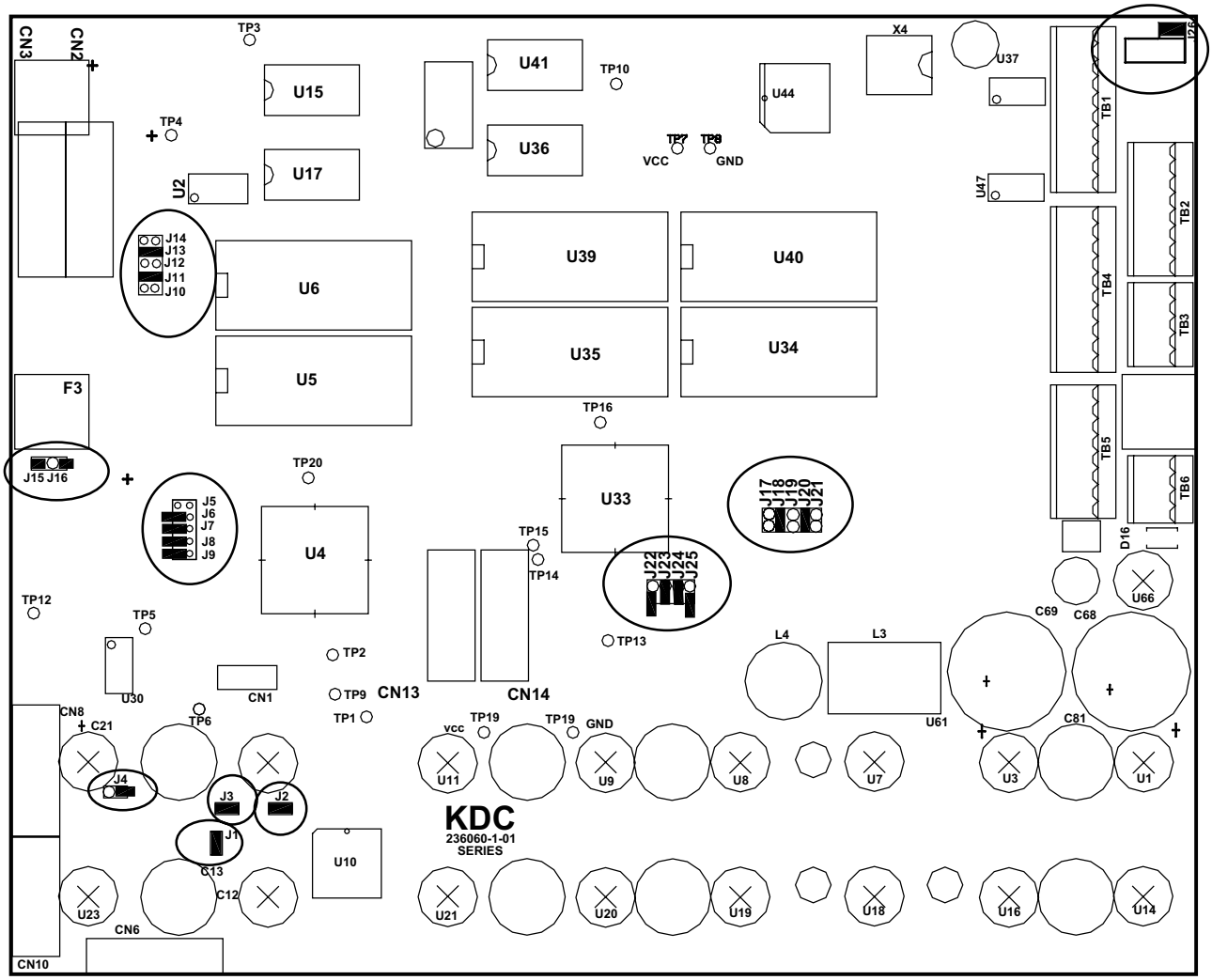

Figure 4. KDC Layout

BSE Installed	Display	
J23 – In	J5 – *	J24 – In (2nd Display)

Note: *If installed in an MMI (Man Machine Interface), Jumper 23 is not required.*
** See page 1.*

Revisions included in AB06046 Issue/Rev. 0.4 (8/09):
Throughout publication: REV B Display shipping information replaced with “see page 1 – Display Jumper”.

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

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