For AccuLoad III units shipped after 8/07

AccuLoad III KDC.net boards were implemented in these units; these units also included display modules (236068-1-01, -1-02) at Revision B identified in the silkscreen on the back of the module as:

MTB-289
PB-289 REV-B

Jumper positions on the KDC.net boards per unit hardware style (S, Q, N4, SA, I-III and II-III Upgrades) are shown in the Figures 1-5. Factory replacement boards are shipped as shown in Column 3 in Table 1.

For Upgrading AccuLoad III units shipped prior to 8/07 with KDC.net boards

Display Jumper Requirements: AccuLoads shipped prior to October 2001 had an Optrex Model DMF5003N display installed. These can also be identified by the silver bezel around them. For units with this display, J6 on the KDC.net must be in the “In” position.

AccuLoads shipped from October 2001 to August 2005 had displays with Model MTG2406. For units with this display, J6 must be in the “Out” position. J6 in the wrong position will affect the display contrast making the display difficult to read.

AccuLoads shipped in August 2005 and after have displays with Model MTB-289, PB-289 REV-A or REV-B that can be found on the back of the display in white silkscreen.

REV-A must have J5 “Out” and J6 “Out”
REV-B must have J5 “In” and J6 “Out”

Note: *Ship dates may be irrelevant if the AccuLoad has been serviced and displays changed.*

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		Out	Out	Out		Out
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
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
JP1		Out	Out	Out		Out

Table 1. Jumper Position Summary

Note: *See Figure 1 for Replacement Board Default Jumper Positions*
See Figure 2 for AccuLoad I to III Upgrade Jumper Positions
See Figure 3 for AccuLoad II to III Upgrade Jumper Positions
See Figure 4 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*

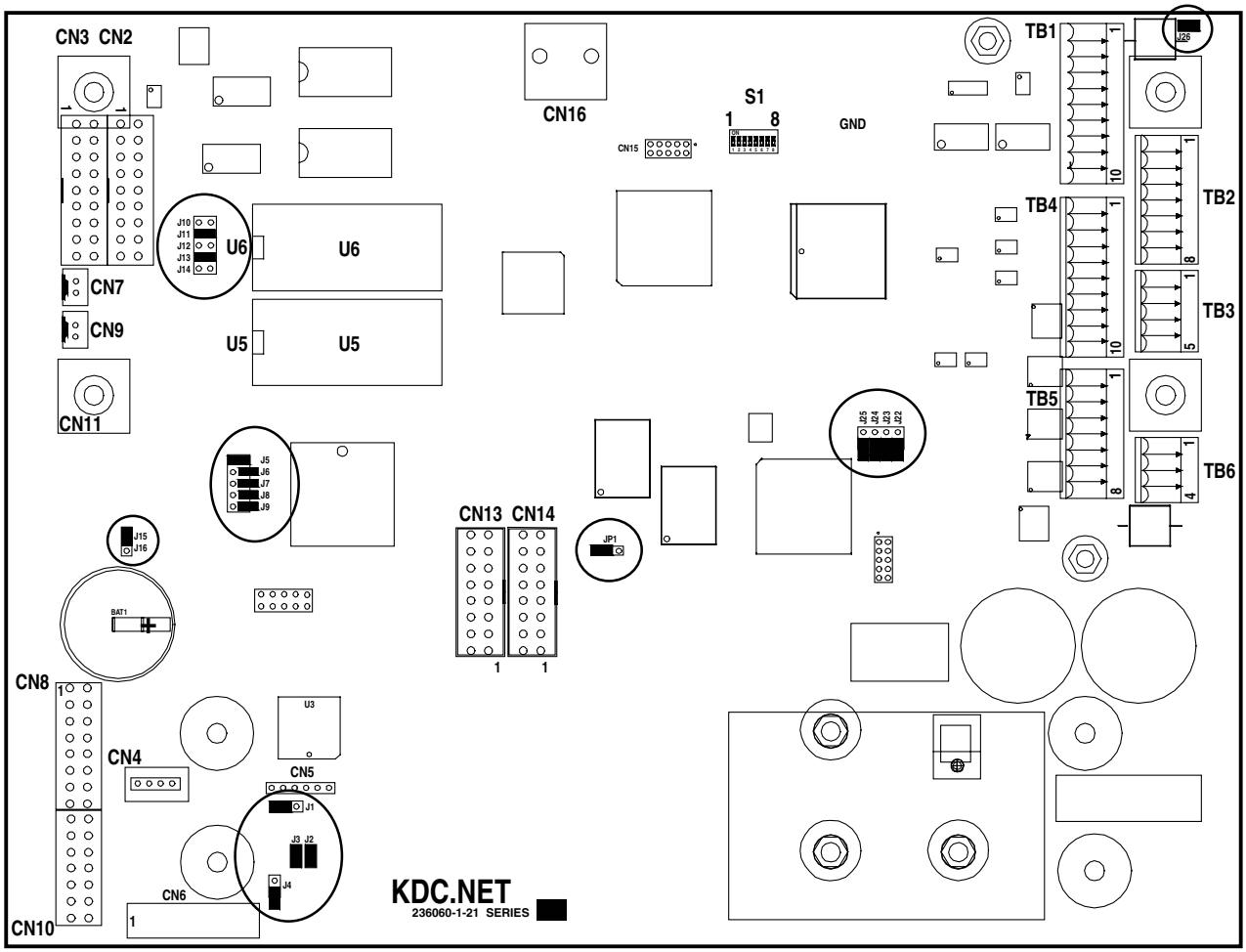

Figure 1. KDC Layout

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

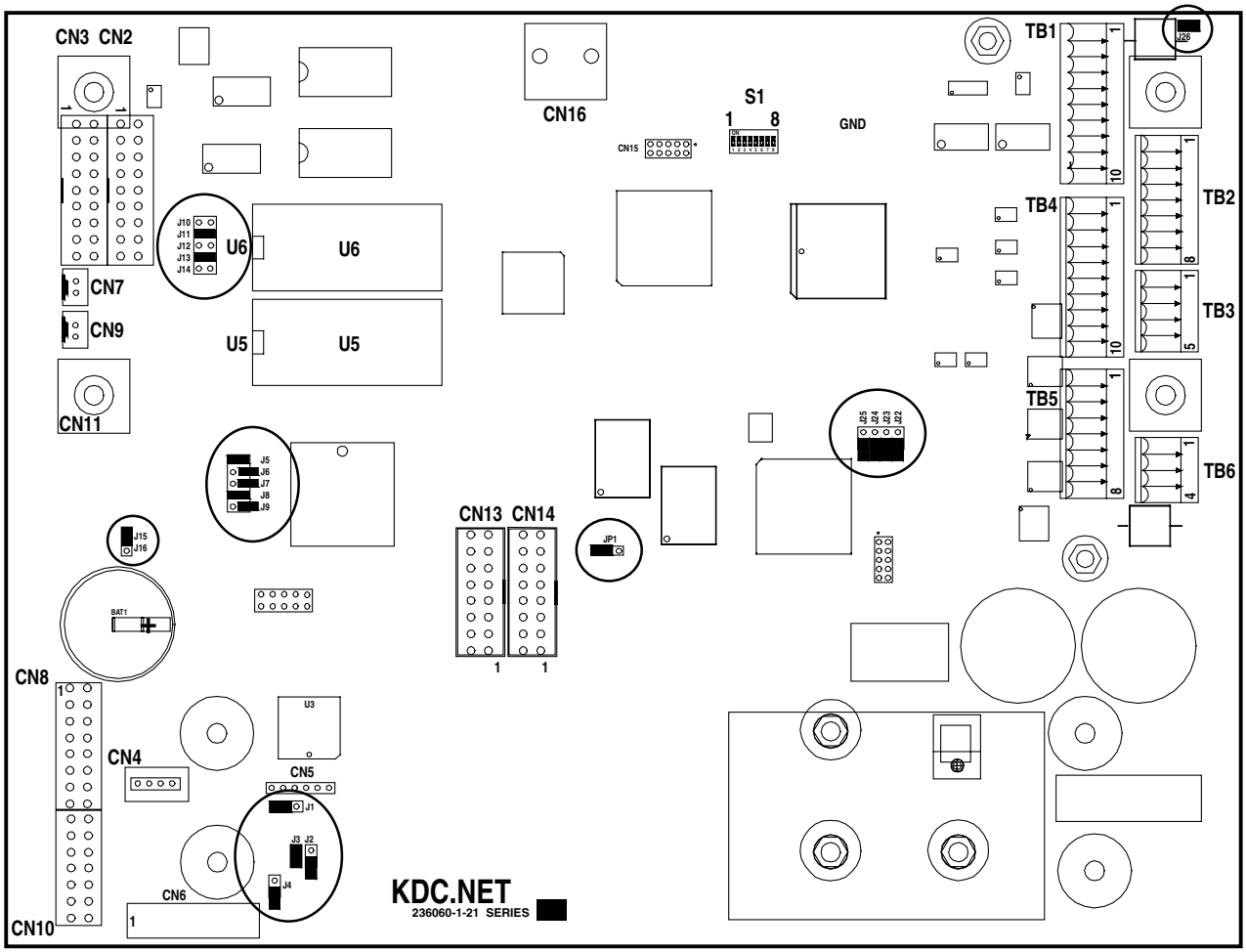

Figure 2. KDC Layout

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

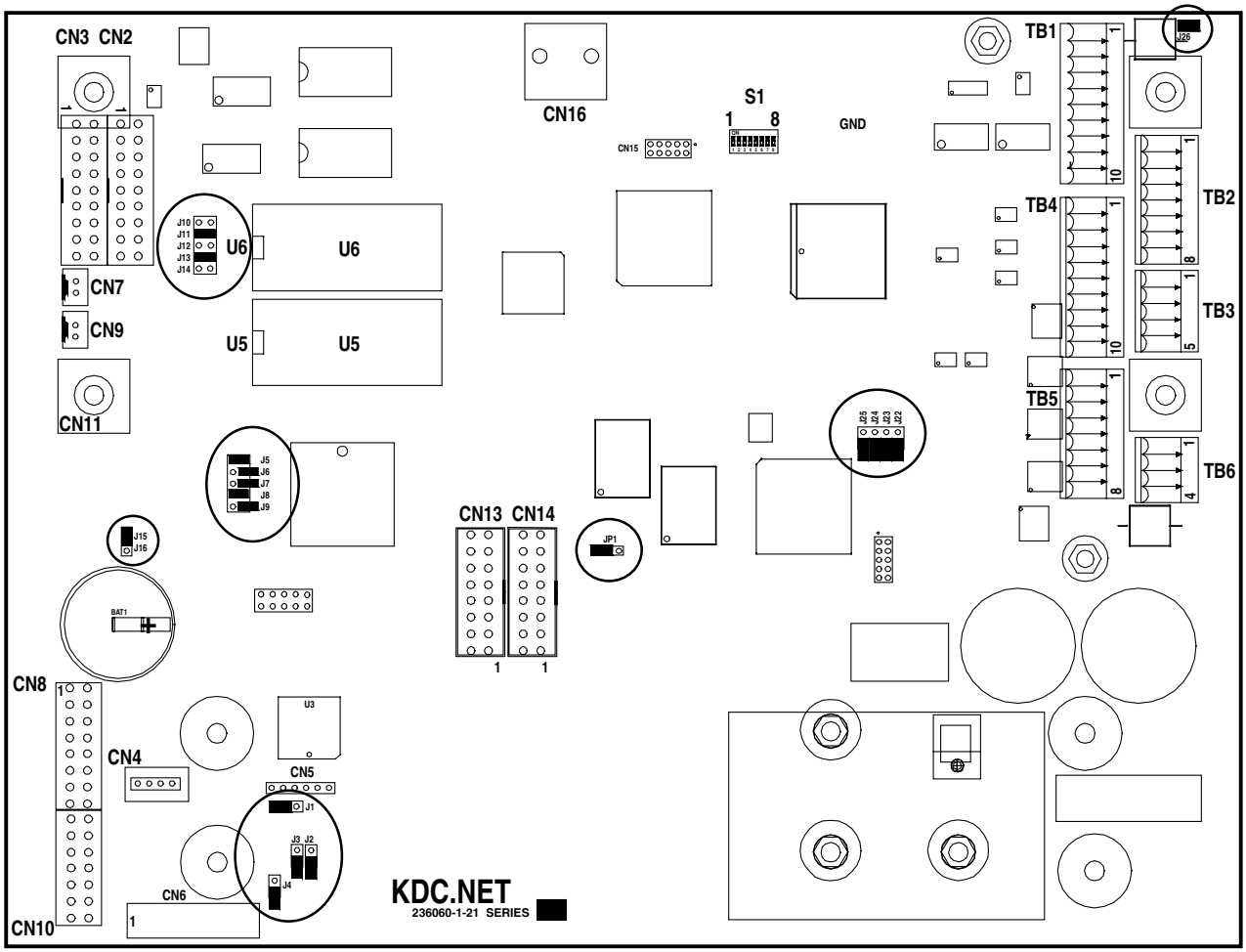

Figure 3. KDC Layout

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

** S hardware J23 and J24 are out, Q hardware J23 and J24 are in.*

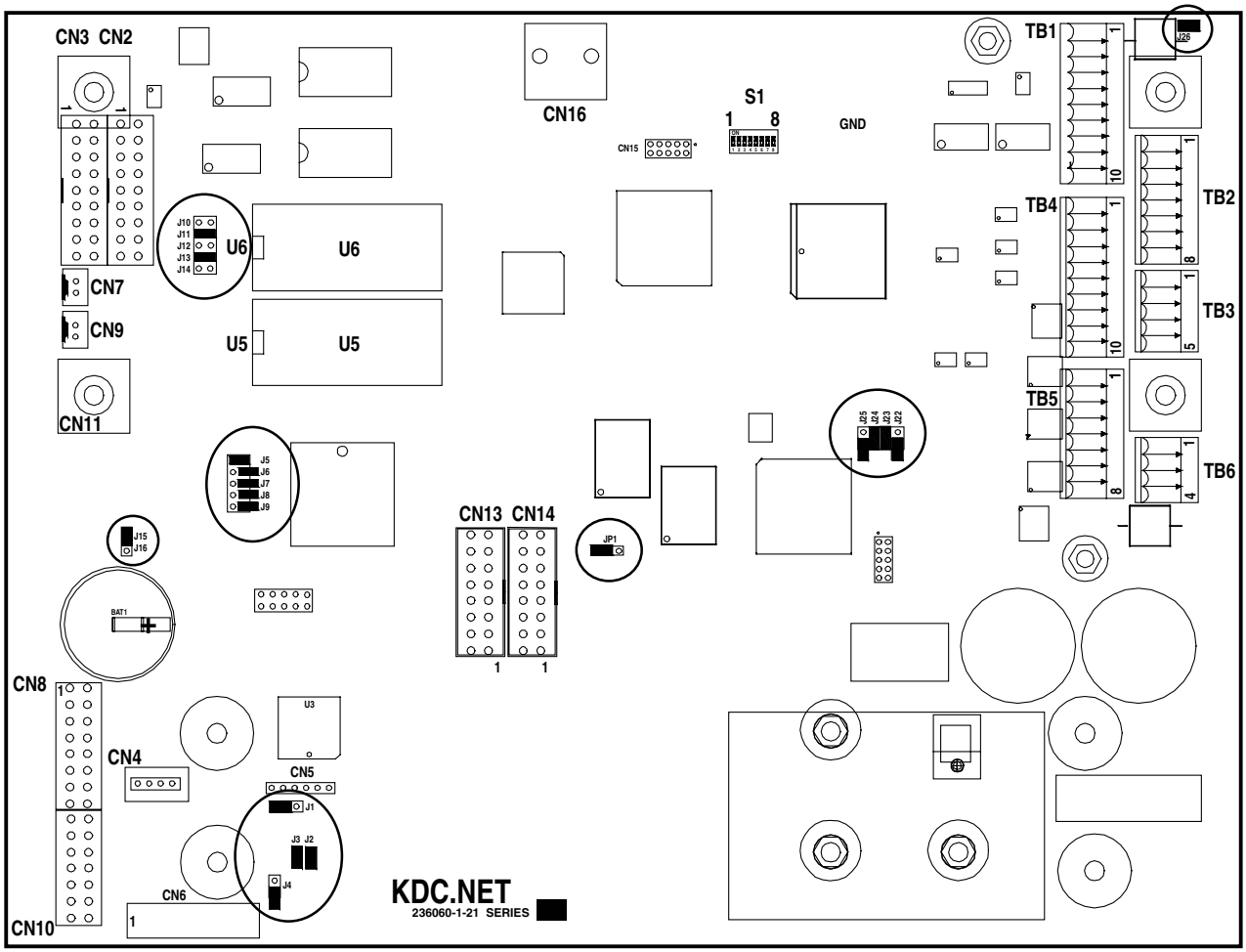

Figure 4. KDC Layout

BSE Board	2nd Display
J23 – In	J24 – In

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

AccuLoad III.net Switch Settings

An 8 pin DIP switch S1 will be available for use for upgrading firmware (SW1-1 → SW1-8). This switch is only used when the AccuLoad is equipped with the Ethernet hardware and flash memory rev.11.01 or higher for software. The switch will be utilized as follows:

SW1-1 force firmware upgrade (powers up waiting for firmware upgrade)

SW1-2	SW1-3	
OFF	OFF	use programmed IP address
ON	OFF	use 192.168.0.1
OFF	ON	use 10.0.0.1
ON	ON	use DHCP

Revisions included in AB06071 Issue/Rev. 0.0 (7/09):
Page 6: Editorial Change to table (11/18/2011).

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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