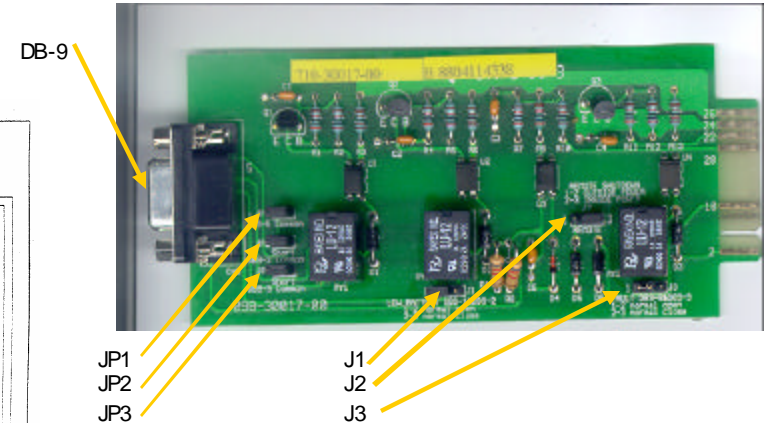
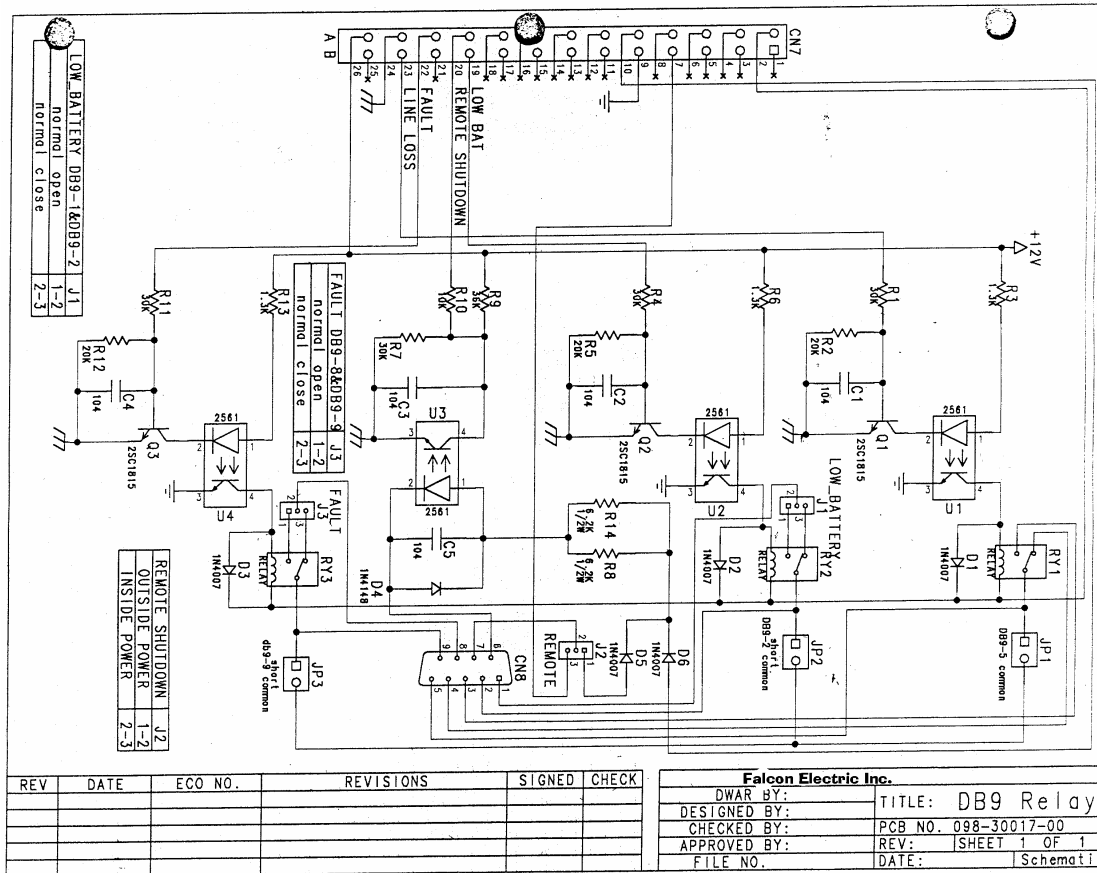




### SG SERIES CONTACT CLOSURE INTERFACE BOARD (Dry Contacts)



DB-9F PIN & JUMPER ASSIGNMENTS	
PIN	DESCRIPTION
1	Low Battery ( When UPS reaches low battery, contact activates) (J1, 1-2 short = N.O) (J1, 2-3 short = N.C)
2	JP2 shorted = Low Battery common & all other shorted JP commons JP2 open = common for low battery only
3	Utility Loss N.O. ( At loss of utility voltage, contact activates)
4	Utility Loss N.C. ( At loss of utility voltage, contact activates)
5	JP1 shorted = Utility Loss common & all other shorted JP commons JP1 open = Utility Loss common only
6	Remote Shutdown common
7	Remote Shutdown (J2, 1-2 short = outside power) (J2, 2-3 short = inside power) <u>1-2 shorted.</u> Applying an external 12V signal across the DB-9, pins six and seven, while the UPS is on battery, will turn off the UPS. <u>2-3 shorted.</u> Applying a short directly across the DB-9, pins six and seven, while the UPS is on battery, will turn off the UPS.
8	Alarm (Upon a UPS fault or failure the contact activates) (J3, 1-2 short = N.O.) (J3, 2-3 short = N.C.)
9	JP3 shorted = Alarm common & all other shorted JP commons JP3 open = Alarm common only



### SG SERIES CONTACT CLOSURE INTERFACE BOARD FEATURES (Dry Contacts)

- 1) Utility Loss, Low Battery and Alarm signals are relay contact closure type providing a more universal interface that is not polarity sensitive unlike opto-coupler designs. Contacts accept higher voltage levels at up to 1 amp each contact.
- 2) Utility Loss, Low Battery and Alarm signals may be fully isolated or tied together to the same common return via on board jumper selection.
- 3) Utility Loss, Low Battery and Alarm signals may be jumper selected to provide a normally open (N.O.) or normally closed (N.C.) contact condition.
- 4) Remote shutdown can be configured to accept a simple contact closure or an external voltage of up to 12Vdc.
- 5) Gives an indication of the SG Series UPS alarm in the event of a failure.
- 6) Interfaces easily with all contact closure type shutdown software or management hardware.