Upgrade SER-6500 to SER6500II main Board

Warning: The upgrade SER6500 to SER6500II will clean all the data (program data and report data) that is in the ECR system, so make sure you either back-up all the data to PC or print out all the data. If needed, Goodson Imports can supply a backup batch file to backup the program settings of the machines.

Cabling

1. New IRC Cable.

a) New IRC cable has to be CAT5 twisted pair cable.
b) New IRC cable connectors are 8 wires RJ45.
c) Wiring must be following the colour code as per the document attached.
d) If the network has more then 2 ECR's, you can only use the cable for ECR to Hub. If the network only has 2 ECR's, you can use the ECR to ECR without Hub wiring diagram.
e) Don't forget to loop the cable around the ferrite core (supplied with the register) close to the register.

2. Hub.

If the network has more then 2 ECR's, you can only use the IRC via Hub. If the network only has 2 ECR's, you can use the IRC without Hub.

3. REG to PC Cable.

a) The data cable that links from REG system to PC must be shielded.
b) The cable connector is DB9 male on REG side, DB9 female or DB25 female on PC side.
c) The cable shield should be soldered to the DB connector's metal frame on both sides.
d) PC should link to REG#1. It is best to use Serial 1 or Serial 2 on the register. Do not use Serial 3 & 4 on the expansion board!
e) Don't forget to put the Ferrite core (supplied with the register) around the cable on the Register side.

4. REG to Device Cable.

a) The data cable that links from REG system to Device (eg. Scanner, Scale, Printer…) must be shielded.
b) The cable connector is DB9 male on REG side.
c) The cable shield should be soldered to the DB connector's metal frame on REG side. If the Device side is DB connector, the cable shield should be soldered on the DB connector's metal frame in the Device side as well.
d) Don't forget to put the Ferrite core (supplied with the register) around the cable on the register side.

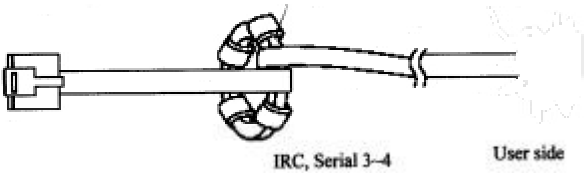
Changing board

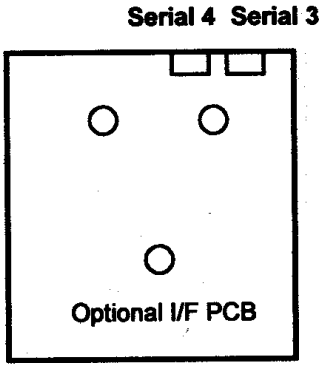
1. Taking out SER-6500 main board.

a) Unplug all the ECR and related devices from the AC power outlet.
b) Disconnect IRC cable.
c) Disconnect all devices from ECR Serial Ports.
d) Open the ECR cover.
e) Disconnect cable connector from keyboard, and take keyboard out.
f) Disconnect cable connector from display and control lock.
g) Disconnect cable connector from transformer.
h) Disconnect cable connector from printer.
i) Disconnect cable connector from cash drawer.
j) Take Expansion board out.
k) Disconnect cable connector from Serial 3 and Serial 4.
l) Make sure there is Ferrite core on Serial 3 and Serial 4 cable.
m) Take SER-6500 main board out.

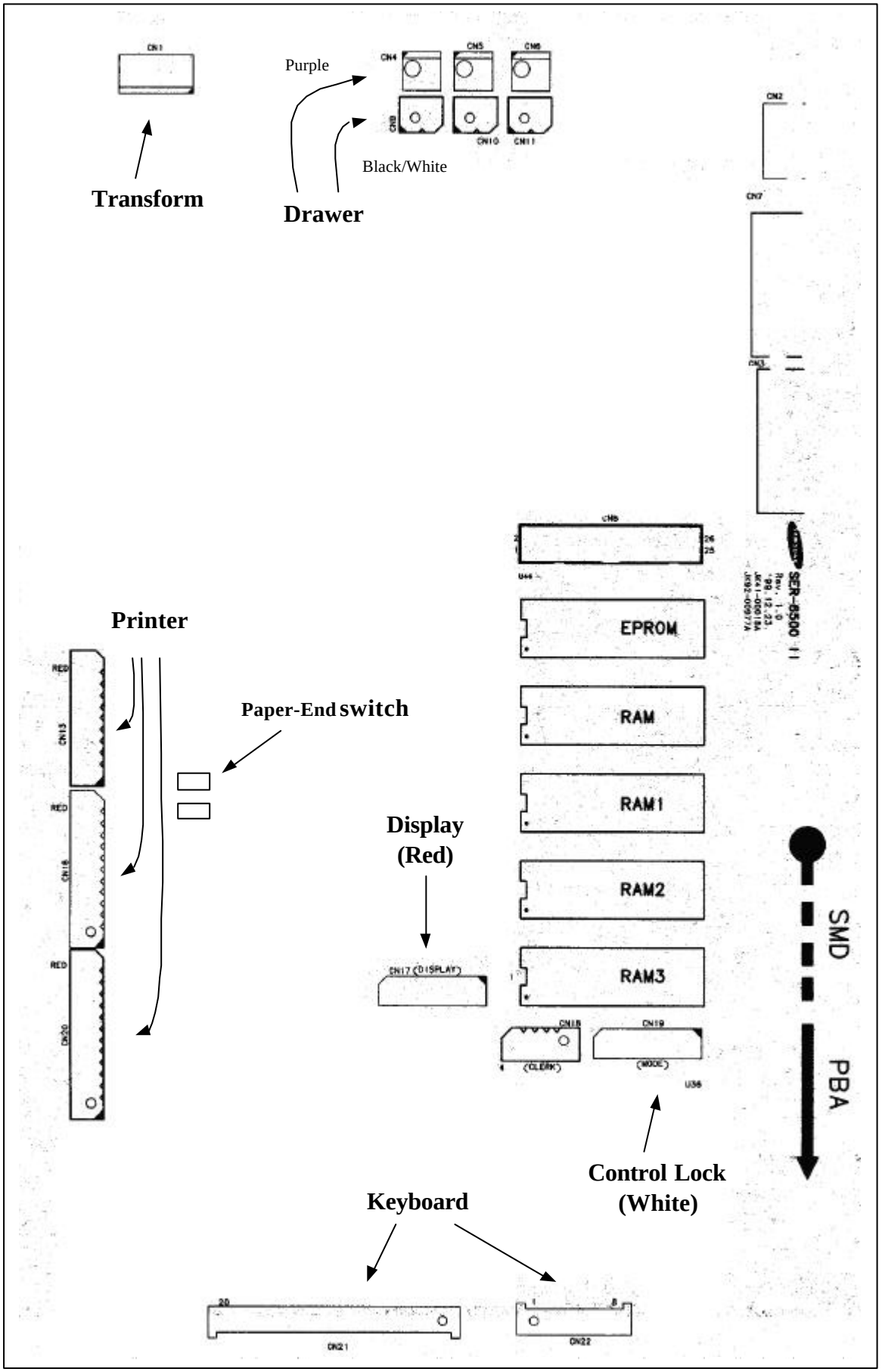
2. Put in SER-6500II main board.

a) Put SER-6500II main board in.
b) Put Expansion board in.
c) Refer the next page for connecting the connecters.
d) Connect Serial 3 and Serial 4 cable. Make sure there is Ferrite core on Serial 3 and Serial 4 cable.





e) Connect cable connector from cash drawer to CN4 and CN9.
f) Connect the cables that from main board CN13, CN16 and CN20 to printer.
g) Connect cable connector from transformer to CN1.
h) Connect cable connector from Paper-End switch to CN14.
i) Connect cable connector from display to CN17 and control lock to CN19.
j) Connect cable connector from keyboard to CN21 and CN22, then put keyboard in.
k) Close the ECR cover.
l) Doing RAM clear to make sure new board is working fine.
m) Unplug ECR from AC power outlet.
n) Connect all devices to Serial ports.
o) Connect IRC cable, make sure IRC connector is 8 wire RJ45 connector.
p) Do RAM clear again and set up ECR.


Transform
Purple
Black/White
Drawer
Printer
Paper-End switch
Display
(Red)
Control Lock
(White)
Keyboard
EPROM
RAM
RAM1
RAM2
RAM3
SMD
PBA

Cat 5 with RJ45 for SER-6500II and SPS-1000 IRC Network

Note: 1. If the network over 2 ECR, Cable only can use ECR to Hub wiring.
2. If the network only 2 ECR, Cable can use ECR to ECR wiring without Hub.
3. The cable must follow the colour code.

ECR to Hub

(Orange/White)	1	⟷	1	(Orange/White)
(Orange)	2	⟷	2	(Orange)
(Green/White)	3	⟷	3	(Green/White)
(Blue)	4	⟷	4	(Blue)
(Blue/White)	5	⟷	5	(Blue/White)
(Green)	6	⟷	6	(Green)
(Brown/White)	7	⟷	7	(Brown/White)
(Brown)	8	⟷	8	(Brown)

ECR to ECR

(Orange/White)	1	⟷	3	(Orange/White)
(Orange)	2	⟷	6	(Orange)
(Green/White)	3	⟷	1	(Green/White)
(Blue)	4	⟷	4	(Blue)
(Blue/White)	5	⟷	5	(Blue/White)
(Green)	6	⟷	2	(Green)
(Brown/White)	7	⟷	7	(Brown/White)
(Brown)	8	⟷	8	(Brown)