

MAINTENANCE MANUAL

SERIAL INTERFACE MODULE

19C852447G1

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SPECIFICATIONS

FUNCTIONS:

External Connections:

All Functions

CONNECTIONS:

J1 / J2

DB-15 female connector

Internal Connections:

Backup Serial Link to GETCs

J7 / J8 / J9 / J12 / J13 / J14

RJ11-6 female connector

RIC Data Link to RIC Shelves

J3 / J4 / J5 / J10

RJ11-6 female connector

RIC Data Link to VAX Computer

J11

RJ11-8 female connector

Reset and Status Lines to GETCs or Guardog

J6

RJ11-6 female connector

DESCRIPTION

The 19C852447G1 Serial Interface Module is used as a connection point between cables outside and cables inside an EDACS[®] equipment cabinet. This module provides the connection points for the following three circuits:

- Backup Serial Link (standard EDACS feature)
- RIC data link (IDA Local Telephone Interconnect)
- GETC reset and status lines (Guardog)

This module is intended to be mounted in an EDACS Interface Panel in the upper rear of an EDACS Repeater or Site Controller cabinet.

CIRCUIT ANALYSIS

This module provides two outside connection points (J1 and J2) for the combination of all three circuits. Standard 25-pair cables are connected to these outside connection points to daisy-chain one EDACS Repeater cabinet to the next, and finally to the Site Controller cabinet.

BACKUP SERIAL LINK

This module provides six inside connection points (J7, J8, J9, J12, J13, and J14) for the Backup Serial Link connection to up to six GETCs. The Backup Serial Link is used to connect all the Station and Downlink GETCs together for the standard EDACS Failsoft Trunking feature.

RIC DATA LINK

This module provides four inside connection points (J3, J4, J5, and J10) for the RIC data link connection to up to four RIC shelves, and one inside connection point (J11) for the RIC data link connection to the Site Controller computer. The RIC data link is used to connect RIC shelves with the Site Controller computer for the IDA Local Telephone Interconnect application.

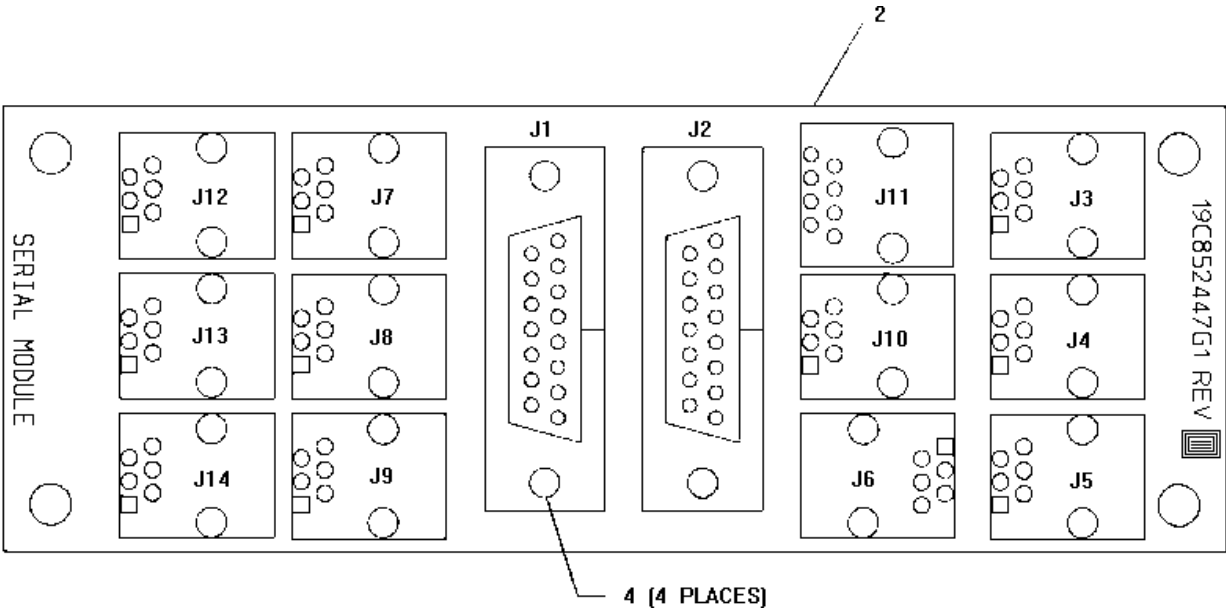
RESET AND STATUS LINES

This module provides one inside connection point (J6) for the reset and status line connections to the Station GETCs or the Guardog. The GETC reset and status lines are used to connect all the Station GETCs to the Guardog for the Guardog application.

SERIAL INTERFACE MODULE
(19C852447G1)

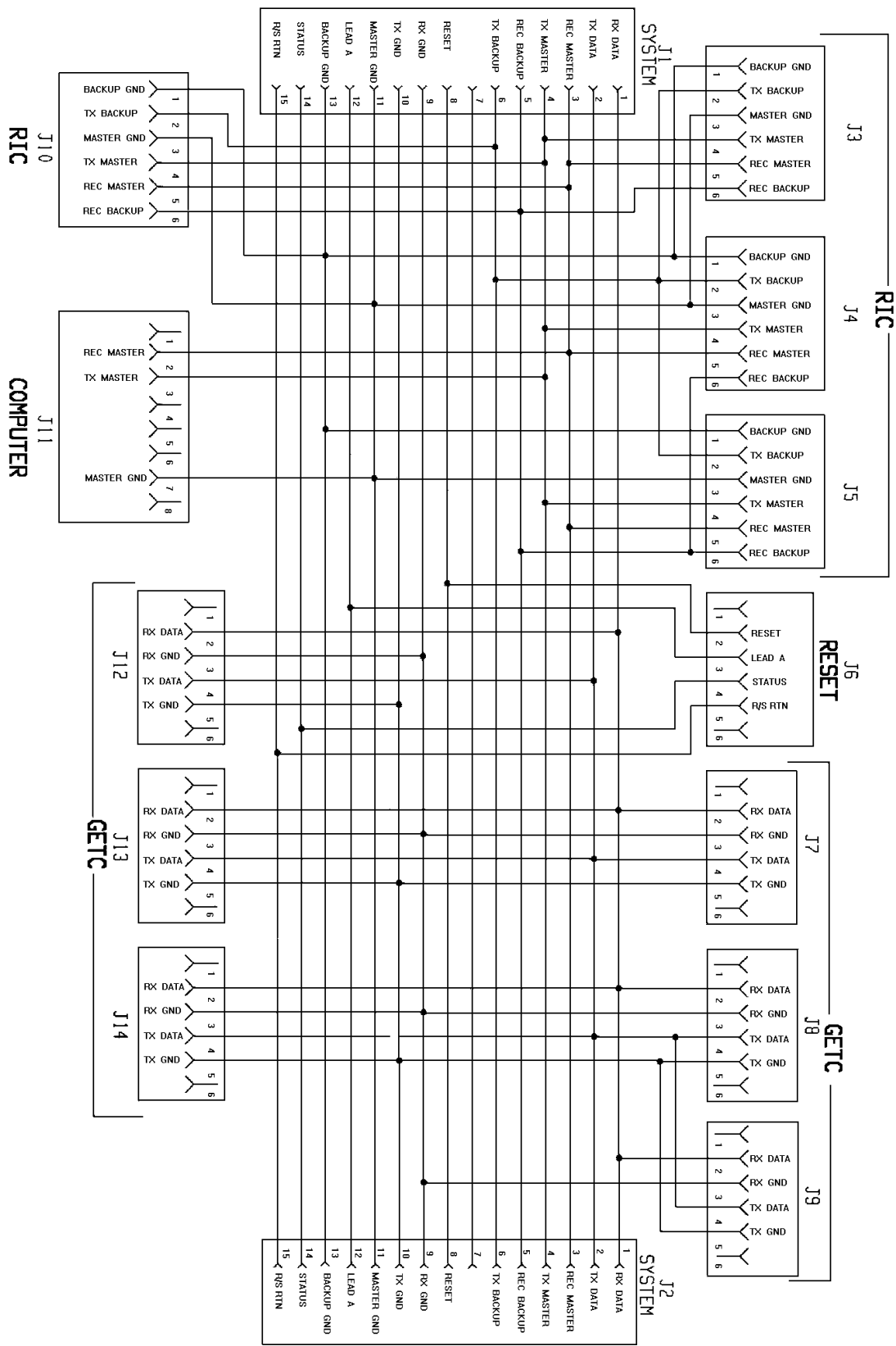
SYMBOL	PART NUMBER	DESCRIPTION
----- JACKS -----		
J1 and J2	19B209727P53	Jack, 15-Pin, Female (DB-15 with Screw Locks)
J3 thru J10	344A3288P1	Jack, 6-Pin, Female (RJ11-6 modular type)
J11	344A3288P2	Jack, 8-Pin, Female (RJ11-8 modular type)
J12 thru J14	344A3288P1	Jack, 6-Pin, Female (RJ11-6 modular type)
--- MISCELLANEOUS ---		
2	19C852322P1	Printed Wire Board
4	N80P9004B6	Screw, Machine, Pan Head, Steel, #4-40 x 1/4

* COMPONENTS ADDED, DELETED, OR CHANGED BY PRODUCTION CHANGES



SERIAL INTERFACE MODULE

(19C852447, Rev. 0)



SCHEMATIC DIAGRAM

(19C852445, Rev. 0)