

MAINTENANCE MANUAL

EDACS™
SERIAL MODULE
19C852207G1

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SPECIFICATIONS*

STATION FUNCTIONS (Intra Cabinet Connection)	Three RIC, One Reset and Three Serial.
COMMON CABLE (Intra Cabinet Connection)	Straight through connections 1-1, 2-2, etc. P01 and P02, DB-15 Male Connectors
CONNECTORS	
DB-15	
J1 and J2	15 position receptacle assembly
Telephone	
J3 thru J9	Modular jack: 6-position

★ These specifications are intended primarily for the use of the service technician. Refer to the appropriate Specifications Sheet in the applicable maintenance manual for the complete specifications.

DESCRIPTION

Serial Interface Module 19C852207G1 is used to collect and route serial data throughout an Enhanced Digital Accessible Communication System(EDACS™) through a common 15 conductor cable. This module mounts on EDACS Interface Panel 19D904009 and consists of Two (2) DB-15 female connectors J1 and J2 and seven (7) telephone type modular (RJ12) jack connectors J3 through J9. The connections between connectors J1 and J2 are straight through 1-1, 2-2, 3-3, etc. The connection between J1-7 and J2-7 is open and not used.

Connectors J3 through J9 connect to the common connections between J1 and J2. Connectors J3, J4 and J5 are used for connecting serial data to/from Repeater Interconnect Controller (RIC) shelves. Connector J6 connects RESET lines. Connectors J7, J8 and J9 are used to connect other SERIAL data as required.

CIRCUIT ANALYSIS

The Serial Interface Module maps up to fourteen (14) serial data circuits from a common cable to seven modular jacks. These modular jacks connect to the various input/outputs within an EDACS (refer to Schematic Diagram 19C852205). The Serial Interface Module connections and functions are as follows:

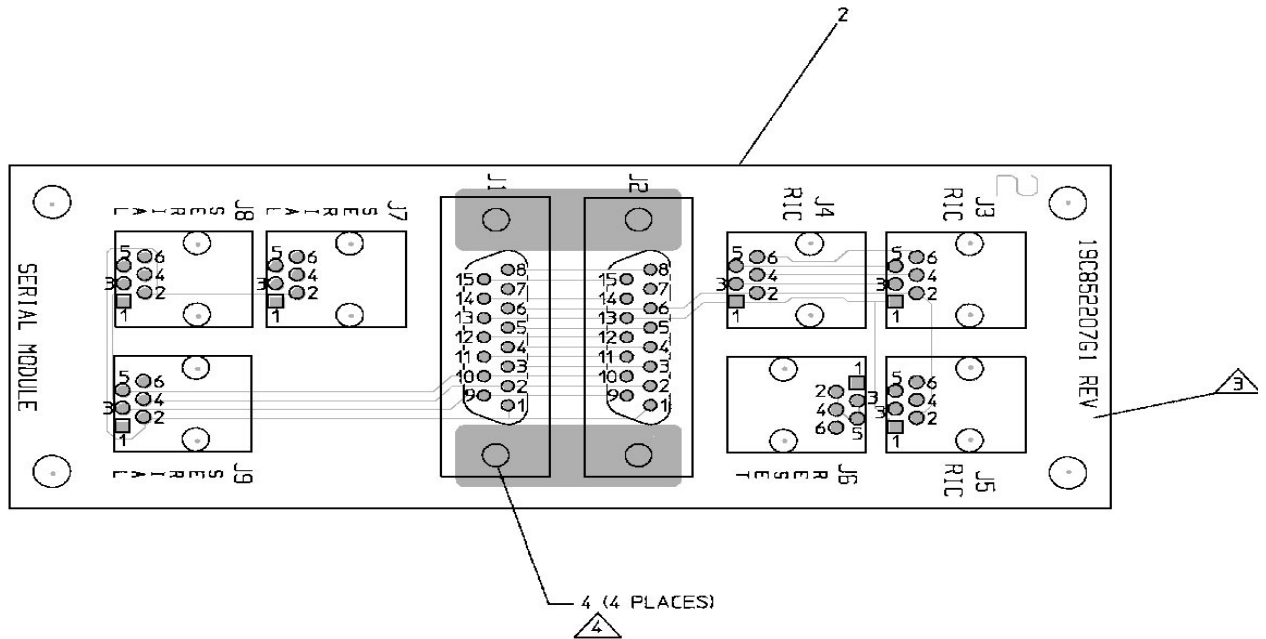
From	Connects To	Function
J1/J2-1	J7/J8/J9-2	RX DATA
J1/J2-2	J7/J8/J9-4	TX DATA
J1/J2-3	J3/J4/J5-5	REC MASTER
J1/J2-4	J3/J4/J5-4	TX MASTER
J1/J2-5	J3/J4/J5-6	REC BACKUP
J1/J2-6	J3/J4/J5-2	TX BACKUP
J1/J2-7 (Open Circuit)		
J1/J2-8	J6-2, 3, 4, 5	RESET
J1/J2-9	J7/J8/J9-3	RX GND
J1/J2-10	J7/J8/J9-5	TX GND
J1/J2-11	J3/J4/J5-3	MASTER GND
J1/J2-12	No Connection	SIG GND1
J1/J2-13	J3/J4/J5-1	BACKUP GND
J1/J2-14	No Connection	SIG GND2
J1/J2-15	No Connection	GND

NOTE

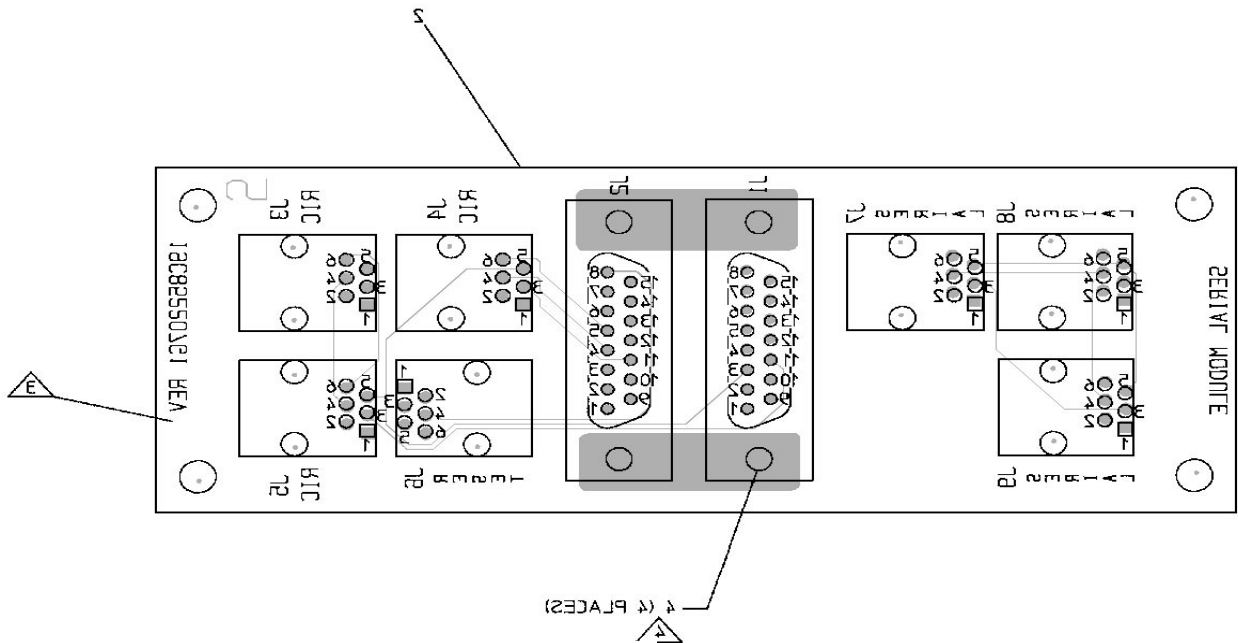
1. J6/7/8/9 are four loaded (positions 1 and 6 are not used)
2. The "P" numbers listed on the WIRING LIST (refer to the Table of Contents) refers to the connectors on the connecting cables, P01, P02, P03, etc.



COMPONENT SIDE



SOLDER SIDE



1

NOTES:

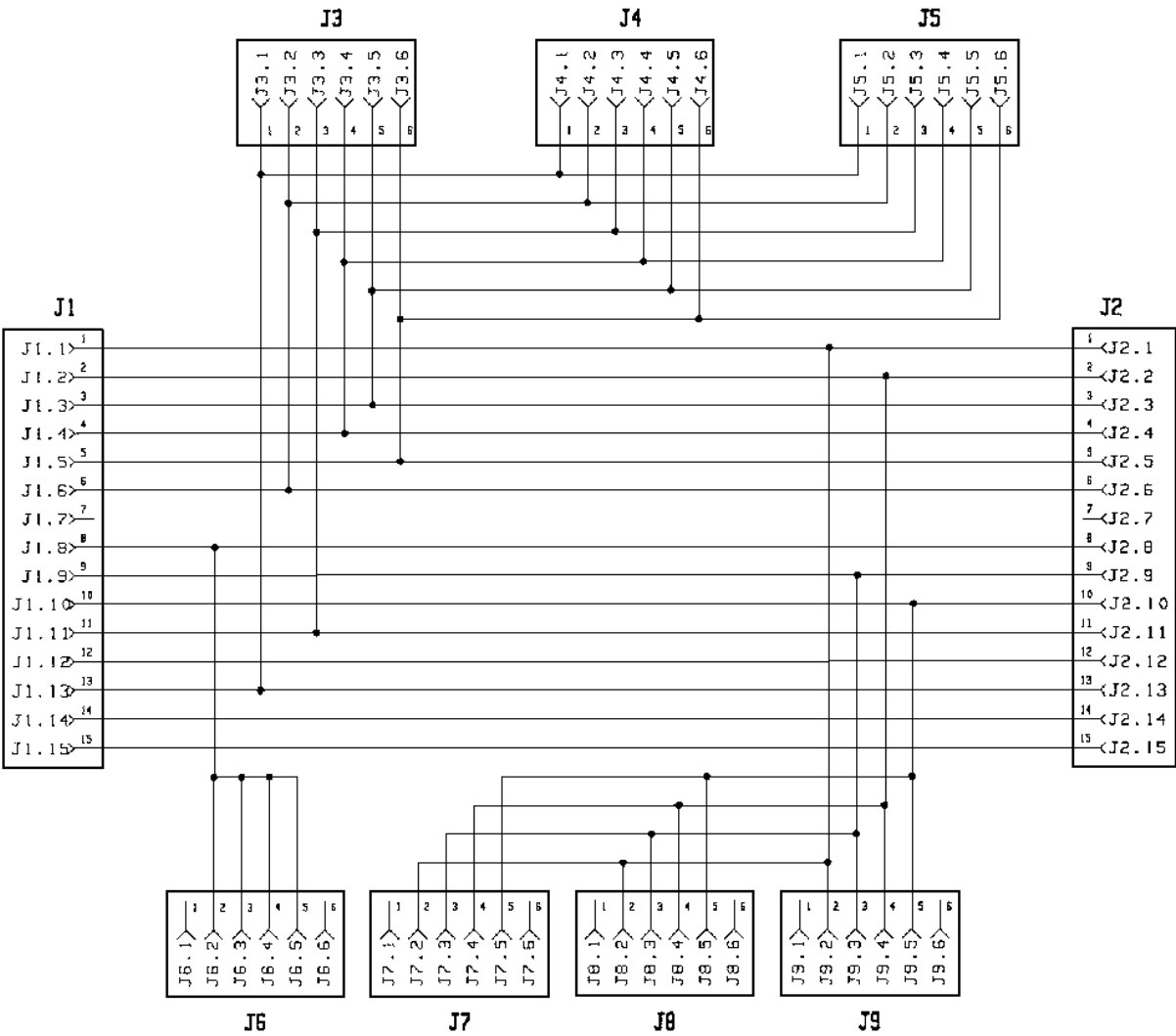
1. SOLDER ALL ELECTRICAL CONNECTIONS.
2. COMPONENT LEADS TO PROTRUDE .11 MAX. BELOW SOLDER SIDE OF BOARD.

3 MARK APPLICABLE REVISION NUMBER .09 HIGH, COLOR BLACK, PER 19A700154P1.

4 INSERT SCREWS FROM FAR SIDE OF ITEM 2 INTO J1 AND J2 STANDOFFS.

EDACS Serial Interface Module

(19C852207, Rev. 2)
(19C852206, Component Side, Rev. 2)
(19C852206, Solder Side, Rev. 2)



EDACS Serial Interface Module

(19C852205, Rev. 1)

EDACS™
SERIAL INTERFACE MODULE
19C852207G1

Issue 1

SYMBOL	PART NUMBER	DESCRIPTION
		----- JACKS -----
J1 and J2	19B209727P53	15 position receptacle assembly with s crew-locks.
J3 thru J9	344A3288P1	Modular jack: 6-position; sim to AMP 520425-3.
		----- MISCELLANEOUS -----
2	19C852206P1	Printed Wire Board
4	N80P9004B6	Machine screw: No. 4-40 x 1/4.

* COMPONENTS, ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES

WIRING LIST

EDACS SERIAL INTERFACE MODULE 19C852207G1

P01 - P02 ARE DB-15

P03-P08 ARE RJ12 SIX CIRCUIT FOUR LOADED (POSITION 1 AND 6 N/C)

P01-01	P02-01				P07-02	P08-02	P09-02	RX DATA
P01-02	P02-02				P07-04	P08-04	P09-04	TX DATA
P01-03	P02-03	P03-05	P04-05	P05-05				REC MASTER
P01-04	P02-04	P03-04	P04-04	P05-04				TX MASTER
P01-05	P02-05	P03-06	P04-06	P05-06				REC BACKUP
P01-06	P02-06	P03-02	P04-02	P05-02				TX BACKUP
P01-08	P02-08						P06-02	RESET
P01-08	P02-08						P06-03	RESET
P01-08	P02-08						P06-04	RESET
P01-08	P02-08						P06-05	RESET
P01-09	P02-09				P07-03	P08-03	P09-03	RX GND
P01-10	P02-10				P07-05	P08-05	P09-05	TX GND
P01-11	P02-11	P03-03	P04-03	P05-03				MASTER GND
P01-12	P02-12							SIG GND1
P01-13	P02-13	P03-01	P04-01	P05-01				BACKUP GND
P01-14	P02-14							SIG GND2
P01-15	P02-15							GND