

BERG-DB9 RS232 serial cable for DEC SLUs:

<u>SLU</u>	<u>BERG</u>	<u>DB9</u>	<u>Terminal</u>
Transmit	F	2	RCV
Receive	J	3	TRX
RTS	V	8	CTS
Signal Ground	UU	5	Signal GND

Jumper E to M on BERG plug to enable RS232.

Positions E, M and UU are on the board side of the plug; F, J and V are on the label side.

Connectors are hand-crimped with small needle-nose pliers and crimper then soldered. The “correct” tool is TE Part Number 91601-1 and it costs \$925 from Mouser in single-unit quantities.

Plug is 44-position; only the inner 40 positions are used for active connectors; the blank positions center plug in receptacle.

Adding a loop between unused positions at each end of plug creates a “handle” that helps remove plug without straining signal wires.

Mouser part numbers (TE Connectivity Headers and Wire Housings):

Connector housing, 44 position – 571-1-104482-9 (Mfg # 1-104482-9)

Contact, gold, 24-20 AWG – 571-1-104479-3 (Mfg# 1-104479-3)