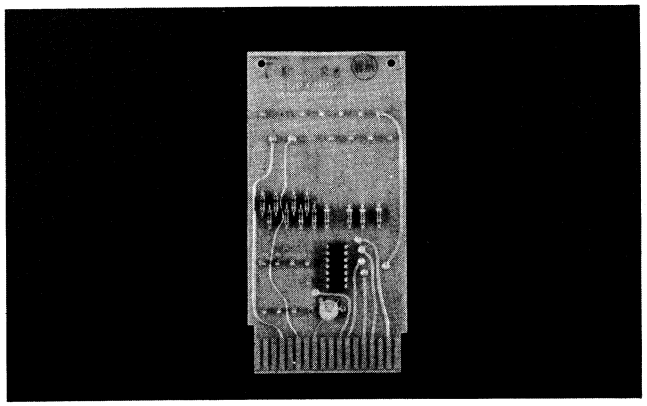
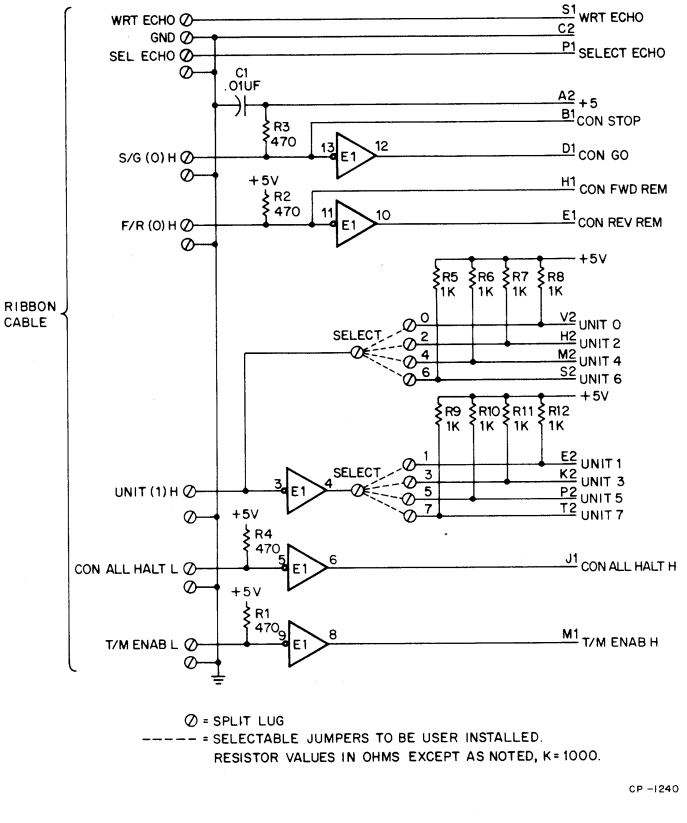
however, are usually associated with ground. The board is equipped with 24 split-lug terminals for solder connection of the 24 to 20 AWG cable conductors. The split-lug terminal locations are marked with their associated contact finger to aid identification. Cable clamp 941 can be used with this connector when round cable is used.

TU56/TD8-E Command Cable Connector – M960

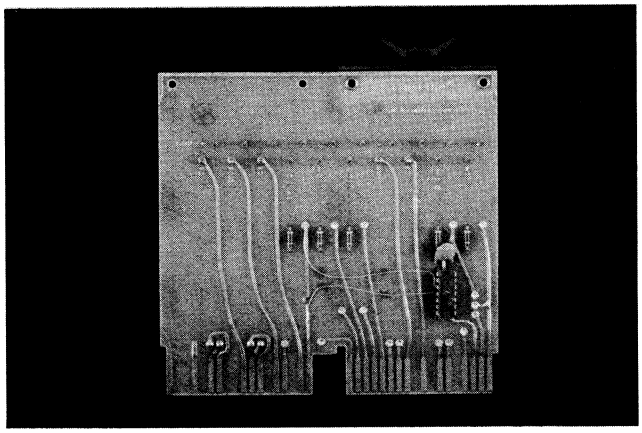


The M960 is a single-height, standard length cable connector with 18 contact fingers on each side; it can accommodate one 91-07575, twenty-conductor, flat ribbon cable. This connector, an M961 connector, and a 34-pin, 12-10090 (Berg 20383) connector are used on two 91-07575 cables to connect a TU56M or TU56MH DECtape Drive Unit to a TD8-E DECtape Control Unit. Preassembled command/data cable assembly 70-08447-10 or -15 can also be used for this purpose. The M960 provides the inverters/line drivers, pull-up resistors, and split-lug terminals required to connect the command signals from the TD8-E to the TU56. It is possible to control up to four Dual Drive TU56s (eight drive units) with a PDP-8/e through four TD8-Es; the first TD8-E will control units 0 and 1, the second will control units 2 and 3, the third will control units 4 and 5, and the fourth will control units 6 and 7. Jumpers must be installed on the M960 to provide the required control configuration; the M960 associated with TU56 units 1 and 2 must have jumpers installed between split-lug terminals **SEL** and **0** and terminals **SEL** and **1**. (See the following schematic diagram.) Likewise, the M960 associated with TU56 units 3 and 4 must have jumpers installed between split-lug terminals **SEL** and **2** and terminals **SEL** and **3**, etc. for the M960 associated with units 4 and 5 and units 6 and 7. One of the M960 contact fingers is dedicated to ground, one is dedicated to +5 Vdc, 16 are dedicated to signals, and all others (18) are not used, as shown on the following schematic diagram. The board is equipped with 14 split-lug terminals (7 for signals and 7 for ground) for solder connection of the cable conductors; the split-lug terminals are arranged to provide an alternate signal/ground cable conductor configuration. These split-lug terminals, as well as the 10 associated with the jumpers, are labeled to facilitate identification. Cable clamp 940 can be used with this connector to provide strain relief.

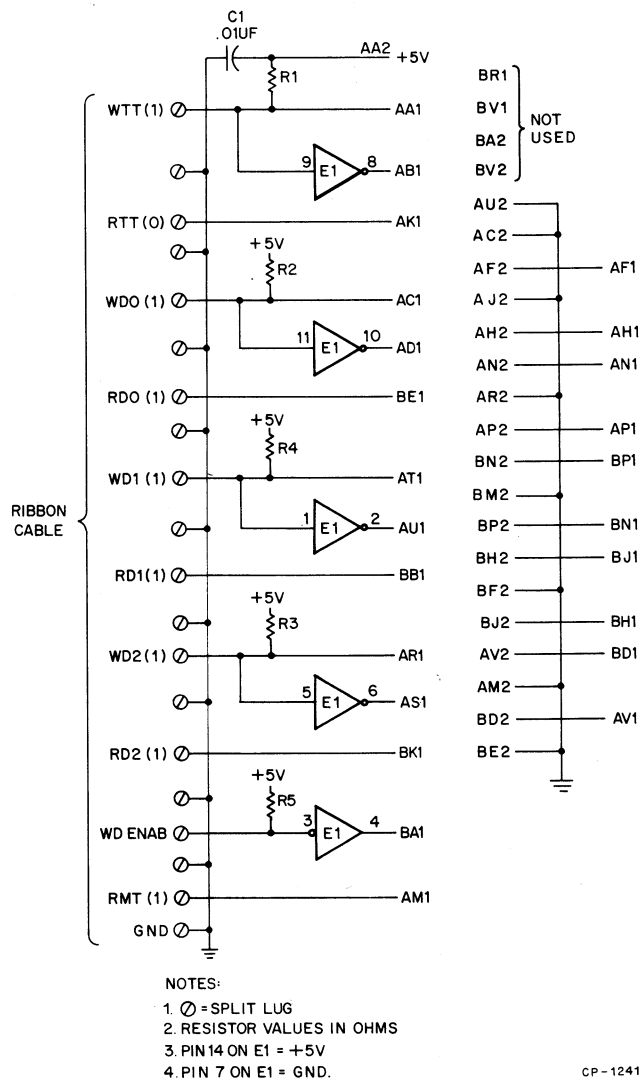


M960

TU56/TD8-E Data Cable Connector – M961



The M961 is a double-height, standard length cable connector with 26 contact fingers on side 1 and 21 contact fingers on side 2; it can accommodate one 91-07575, twenty-conductor, flat ribbon cable. This connector, an M960 connector, and a 34-pin, 12-10090 (Berg 20383) connector are used on two 91-07575 cables to connect a TU56M or TU56MH DECtape Drive Unit to a TD8-E DECtape Control Unit. Preassembled command/data cable assembly 70-08447-10 or -15 can also be used for this purpose. The M961 provides the inverter/line drivers, pull-up resistors, and split-lug terminals required to connect the data signals from the TD8-E to the TU56. The M961 also provides I/O paths for 10 "daisy-chained" TU56 signals (contact fingers AF2–AF1, AH2–AH1, AN2–AN1, AP2–AP1, BN2–BP1, BP2–BN1, BH2–BJ1, BJ2–BH1, AV2–BD1, and BD2–AV1). Fourteen contact fingers are dedicated to data signals, one is dedicated to +5 Vdc, eight are dedicated to ground, 20 are dedicated to the daisy-chained signals, and four are not used, as shown on the following schematic diagram. The board is equipped with 20 split-lug terminals (10 for signals and 10 for ground) for solder connection of the cable conductors; the split-lug terminals are arranged to provide an alternate signal/ground cable conductor configuration. These split-lug terminals are labeled to facilitate identification. Cable clamp 940 can be used with this connector to provide strain relief.



NOTES:
1. ∅ = SPLIT LUG
2. RESISTOR VALUES IN OHMS
3. PIN 14 ON E1 = +5V
4. PIN 7 ON E1 = GND.

CP-1241

M961