



DIT-MCO TECHNICAL BULLETIN

5612 BRIGHTON TERRACE

KANSAS CITY, MISSOURI 64130

(816) 444-9700

FAX (816) 444-9737

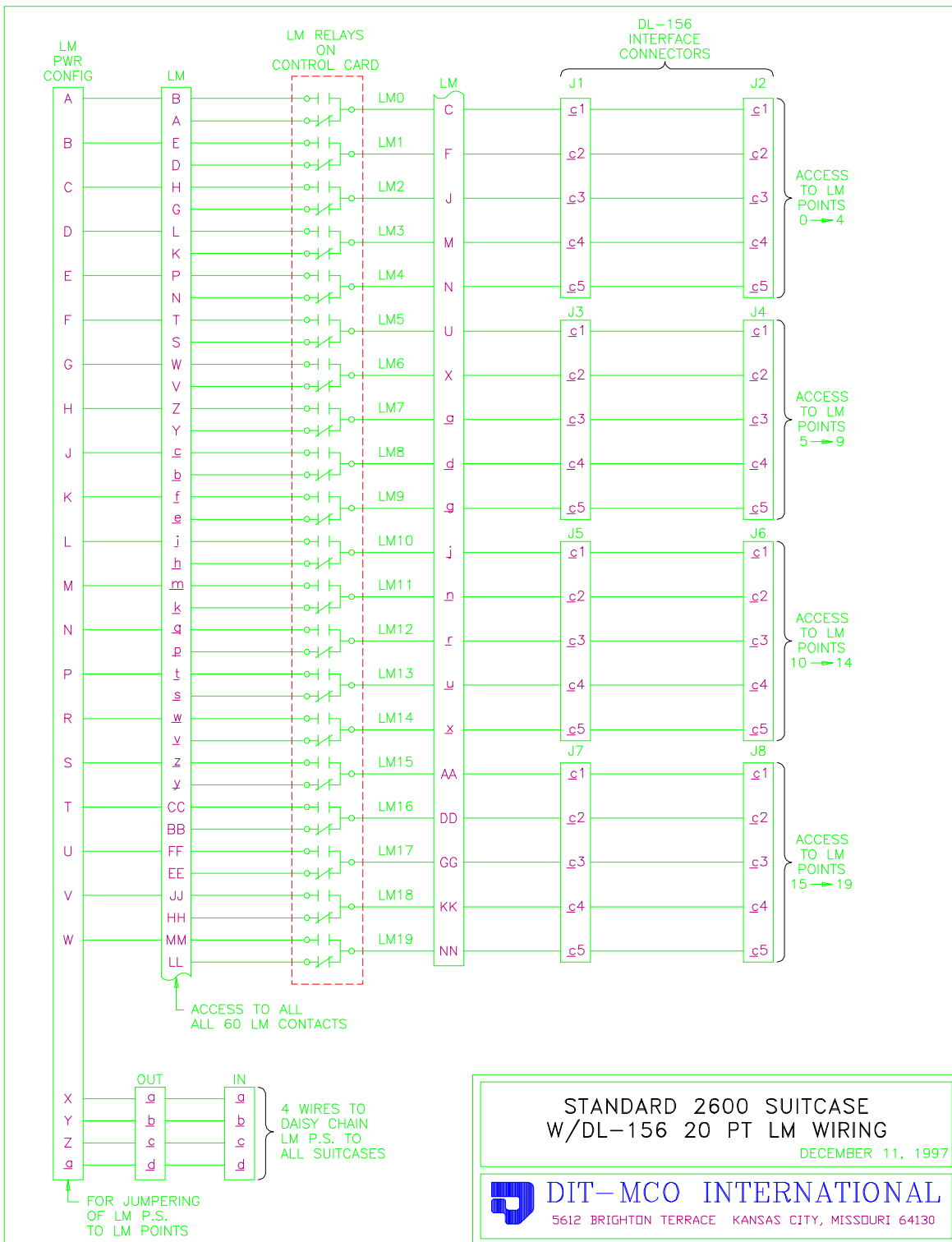
12/12/97
JRS

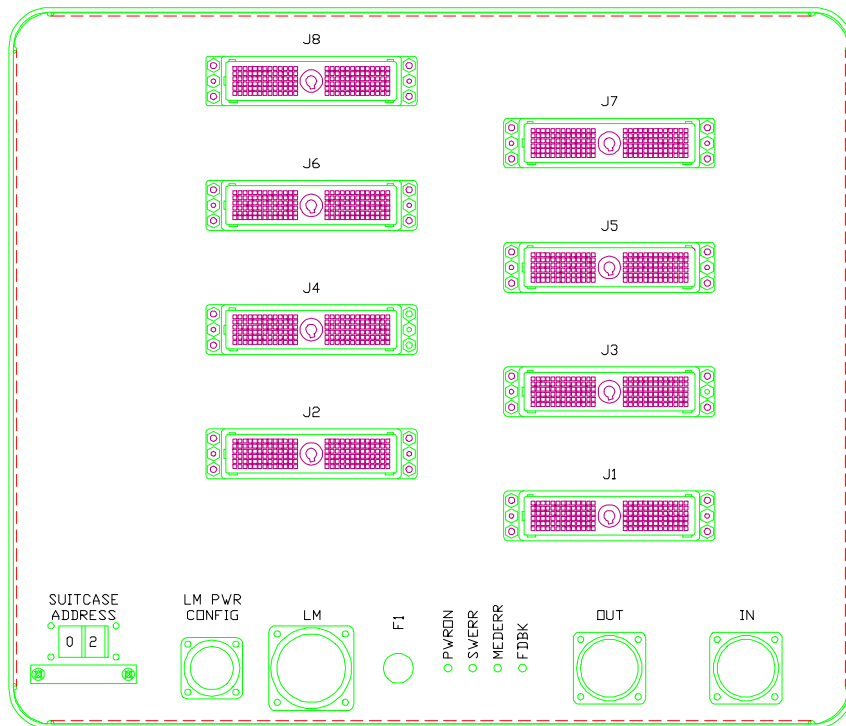
Latching Matrix (LM) in Series 2600 Suitcases

Applying power or changing circuit configuration under program control has been difficult in the past, requiring special "Y" adapter cables and power supply routing cables. The design of the new S2600 S19B Suitcase makes the LM process easier to incorporate by routing four (4) LM power supply buses to every suitcase via the standard I/O daisy chain cable and includes 20 points of LM as standard in each suitcase. The 20 relays are located on the I/O control PCA.

The standard configuration of the suitcase with no special front-face connector provides for two (2) LM connectors. The normally open (NO), normally closed (NC), and common (COM) contacts from each relay routes to the top of the suitcase and are contained in an MS3470L22-61SN connector. The second LM connector, an MS3470L16-26SN connector, allows configuration of the power busing to the proper LM contacts. This is done using a LM Configuration Connector. This configuration connector is generally unique to each product and is changeable for the various products. Every relay contact is accessible in the LM connector and every NO contact is accessible along with the four (4) power buses in the LM PWR CONFIG connector.

If the suitcase has special connector front-face, such as the Cannon DL-156 or the MS33470L22-55SN connector, then the 20 points of LM are broken down into four (4) groups of 5 LM points each. Each of these groups is wired to the extra 5 pins in each front-face interface connector. This feature allows the unique jumpering to be done inside the UUT adapter cable backshell and eliminates the necessity of the "Y" cable. In the case of the DL-156 connectors, the two (2) front-face connectors J1 and J2 are wired in parallel to one five pin group of LM points. The next two (2) front-face connectors J3 and J4 are wired to the second group of LM points. This wiring sequence is repeated for all four groups. See the attached drawings for details of the wiring and connector configurations.





DL-156 1200 PT INTERFACE
2600 SUITCASE ASSEMBLY

CM-RLO

DEC 11, 1997



DIT-MCO INTERNATIONAL

5612 BRIGHTON TERRACE KANSAS CITY, MISSOURI 64130

GEH