
TRANSITION MODULE: MODEL TRANS-200

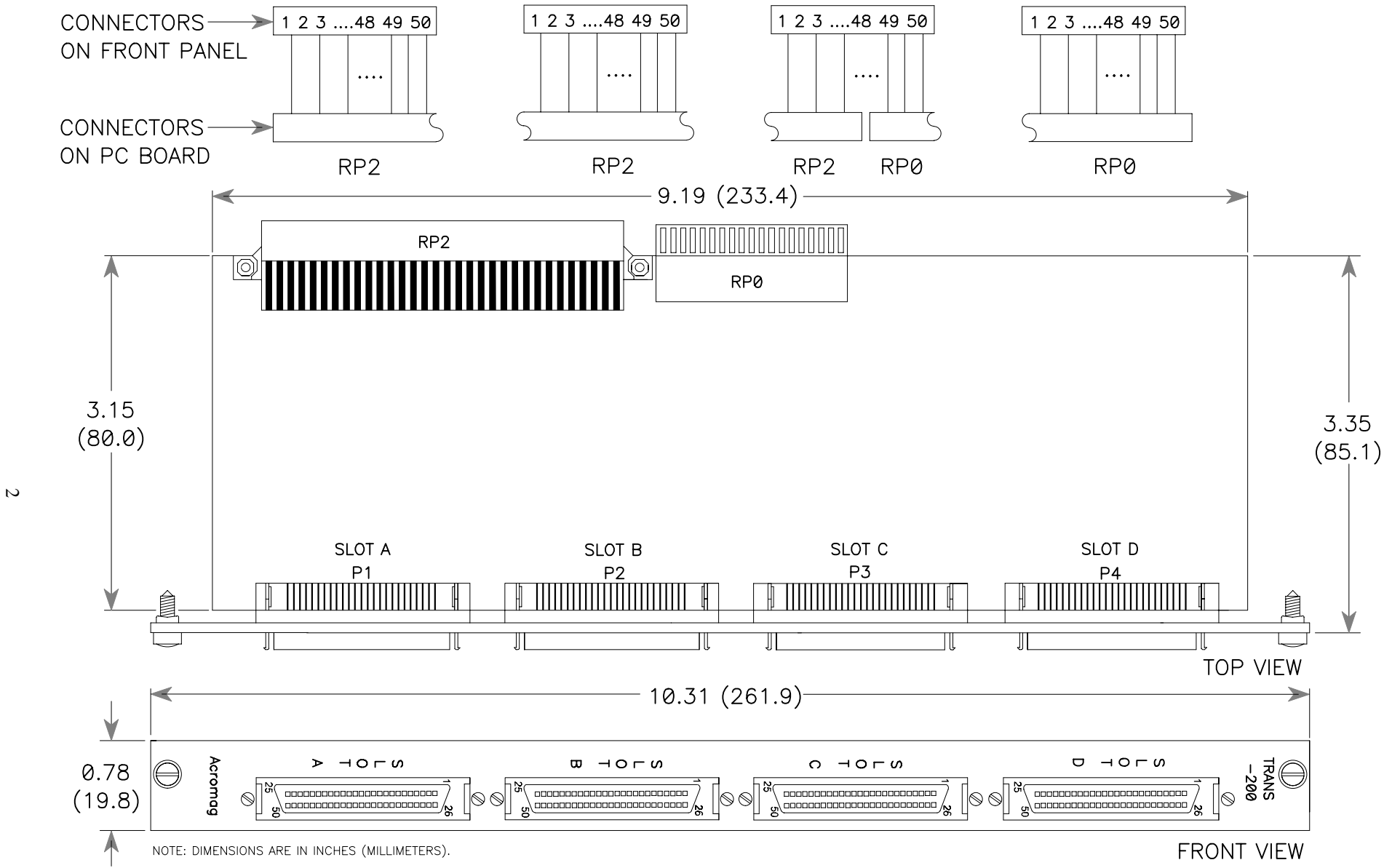
Type: Transition Module For AVME9670 Boards

The TRANS-200 transition module plugs into the rear backplane directly behind the carrier board. The field I/O connections are made through the backplane to P0 and P2 connectors of the carrier board and then routed to four SCSI-2 connectors on the transition module (marked IP module slots "A through D") for rear exit from the card cage. It is available for use in VME64x bus card cages which provide rear exit for I/O connections via transition modules (transition modules can only be used in card cages specifically designed for them). It is a double-height (6U), single-slot module with front panel hardware adhering to the VME64x bus mechanical dimensions and IEEE Standard (1101.11-1998), with a printed circuit board depth of 80mm, which is a standard transition module depth. The transition module connects to Acromag Termination Panel (Model 5025-552) using SCSI-2 to Flat Ribbon Cable, Shielded (Model 5028-187) to the rear of the card cage, and to AVME9670 boards within the card cage.

Application.....	To repeat field I/O signals of IP modules A through D for rear exit from VME64x card cages.
Schematic and Physical Attributes.....	See Drawing 4501-760 (Over).
Electrical Specifications.....	30 VAC per UL and CSA (SCSI-2 connector spec.'s). 1 Amp maximum at 50% energized (SCSI-2 connector spec.'s).
Field Wiring.....	Four SCSI-2, 50-pin female connectors (AMP 787082-5 or equivalent) employing latch blocks and 30 micron gold in the mating area (per MIL-G-45204, Type II, Grade C). Connects to Acromag termination panel 5025-552 from the rear of the card cage via round shielded cable (Model 5028-187).
Connections to AVME9670.....	Connections are made though the PC board connectors RP0 (95 pin female with upper ground shield) and RP2 (160 pin female). The transition module plugs directly behind the AVME9670 board into the VME64x bus backplane within the card cage system.
Mounting.....	Transition module is inserted into a 6U-size, 80 mm width slot at the rear of the VME64x bus card cage. (Directly behind AVME9670 board)
Printed Circuit Board.....	Eight-layer, military-grade FR-4 epoxy glass circuit board, 0.063 inches thick.
Operating Temperature.....	-40°C to +85°C.
Storage Temperature.....	-40°C to +85°C.
Shipping Weight.....	1.25 pounds (0.6Kg) packed.

ACROMAG INCORPORATED
30765 South Wixom Road
P.O. BOX 437
Wixom, MI 48393-7037 U.S.A.
Tel: (248) 624-1541
Fax: (248) 624-9234

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TRANS-200 MECHANICAL DIMENSIONS AND SIMPLIFIED SCHEMATIC

4501-760B