SIGNAL TERMINALS ON RELAY CONTROL BOARD (1/2)
SIGNAL TERMINALS ON RELAY CONTROL BOARD (2/2)
SIGNAL TERMINALS ON OPTOCOUPLER BOARD (2/2)
TPG256 Gauge Control Connector
(CONN1, Female D-25 Connector)

4 --- 200-ohm pull-down to GROUND
5 --- RELAY-A
6 --- 50-ohm pull-up to VCU_P24V

8 --- 200-ohm pull-down to GROUND
9 --- RELAY-B
10 --- 50-ohm pull-up to VCU_P24V

25 --- VCU_P24V
Gate Valve/Arm Switch Connector
(CONECTOR 5, FEMALE 9-pole)

1 --- VP
2 --- VN
3 --- uSW_P1
4 --- uSW_P2
5 --- CS
6 --- CS_GND
7 --- VGND
8 --- OS
9 --- OS_GND
MAIN MCU-X7 Turbo Pump Control Connector
(Female D-37 Connector)
MAIN TC6000 Drag Pump Connector
(CONECTOR 6, Female D-15 Connector)
MAIN All Valves Connector
(CONECTOR 1, FEMALE 10-pole)

1 --- MAIN_GND
2 --- AC_MDPV_L
3 --- AC_MDPV_N
4 --- DC_MDPV_a
5 --- DC_MDPV_b
6 --- DC_MDPV_c
7 --- DC_MDPV_d
8 --- MSPV_P24V
9 --- MPV_P24V
10 --- MAIN_P24V_GND

MAIN Section
MAIN Cooling Fans Connector
(CONECTOR 3, FEMALE 6-pole)

1 --- AC_MTPCU_I
2 --- AC_MTPCU_N
3 --- MDPCU_P24V
4 --- MDPCU_IN_P24V
5 --- MDPCU_P0V
6 --- MDPCU_IN_P0V
TRANSFER STP L301 Turbo Pump TB-1 Connector (Female D-15 Connector)
TRANSFER TC6000 Drag Pump Connector
(CONECTOR 7, Male D-15 Connector)
TRANSFER All Valves Connector
(CONECTOR 2, FEMALE 10-pole)

1 --- TRAN_GND
2 --- AC_TDPV_L
3 --- AC_TDPV_N
4 --- DC_TDPV_a
5 --- DC_TDPV_b
6 --- DC_TDPV_c
7 --- DC_TDPV_d
8 --- TSPV_P24V
9 --- TPV_P24V
10 --- TRAN_P24V_GND
TRANSFER Cooling Fans Connector
(CONECTOR 4, FEMALE 6-pole)

1 --- AC_TTPCU_I
2 --- AC_TTPCU_N
3 --- TDPCU_P24V
4 --- TDPCU_IN_P24V
5 --- TDPCU_P0V
6 --- TDPCU_IN_P0V
TRANSFER STP L301 Turbo Pump TB2 Connector (MALE 6-pole)

1 --- TB2-1_P12V
2 --- CONNECT TO PIN 3
3 --- CONNECT TO PIN 2
4 --- TB2-4 (No Use)
5 --- TTP_START
6 --- TTP_RESET