

INSTRUCTION SHEET



KEPCO An ISO 9001 Company.

**KIT
219-0646**

DB 37 CONNECTOR TO EUROBLOCKS (WITHOUT SHELL) ADAPTER KIT

1. DESCRIPTION

This kit contains an adapter assembly (see Figures 1 and 2) that provides a convenient means of making discrete wiring connections to the 37-pin DSUB I/O connector found on RA 60 and RA 90 Series Rack Adaptors and legacy HSP power supplies via four 7-terminal Euroblock headers, labeled TB1 through TB4 (see Figures 3 and 4). Accommodation is made for the wires to exit either straight back or at 45 or 90 degree angles. For finished cable assemblies use mating connectors listed as accessories in the applicable rack adapter or HSP manual.

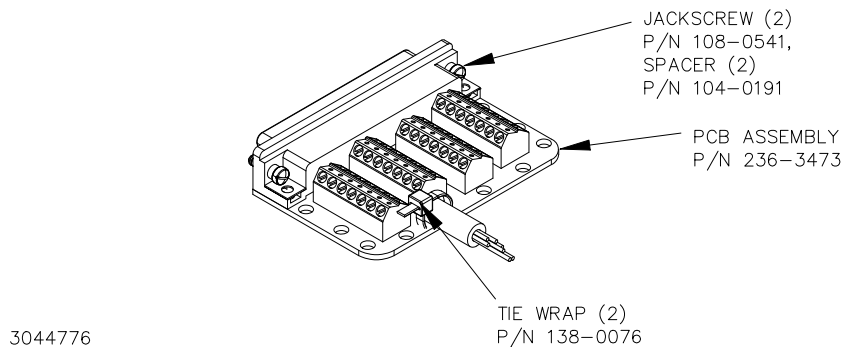


FIGURE 1. KIT 219-0646 ADAPTER ASSEMBLY COMPONENTS

2. MATERIAL SUPPLIED (SEE TABLE 1.)

Table 1 lists the contents of this kit and a description of each component.

TABLE 1. MATERIAL SUPPLIED

ITEM	DESCRIPTION	TORQUE REQUIREMENT	KEPCO PART NO.	QUANTITY
Spacer	Used with jackscrews	n/a	104-0191	2
Jackscrew	Jackscrew (FLSL, 4-40 x 0.37 in., ST) Used to install adapter assembly on I/O connector of rack adapter or HSP.	4 lb*in {0.45Nm}	108-0541	2
Tie Wrap	Used to secure wires.	n/a	138-0076	2
PCB assembly	Part of Adapter Assembly and includes 37-pin female DSUB connector	n/a	236-3472	1
Instruction Sheet	Contains instructions for installing KIT 219-0646 components	n/a	228-2014	1

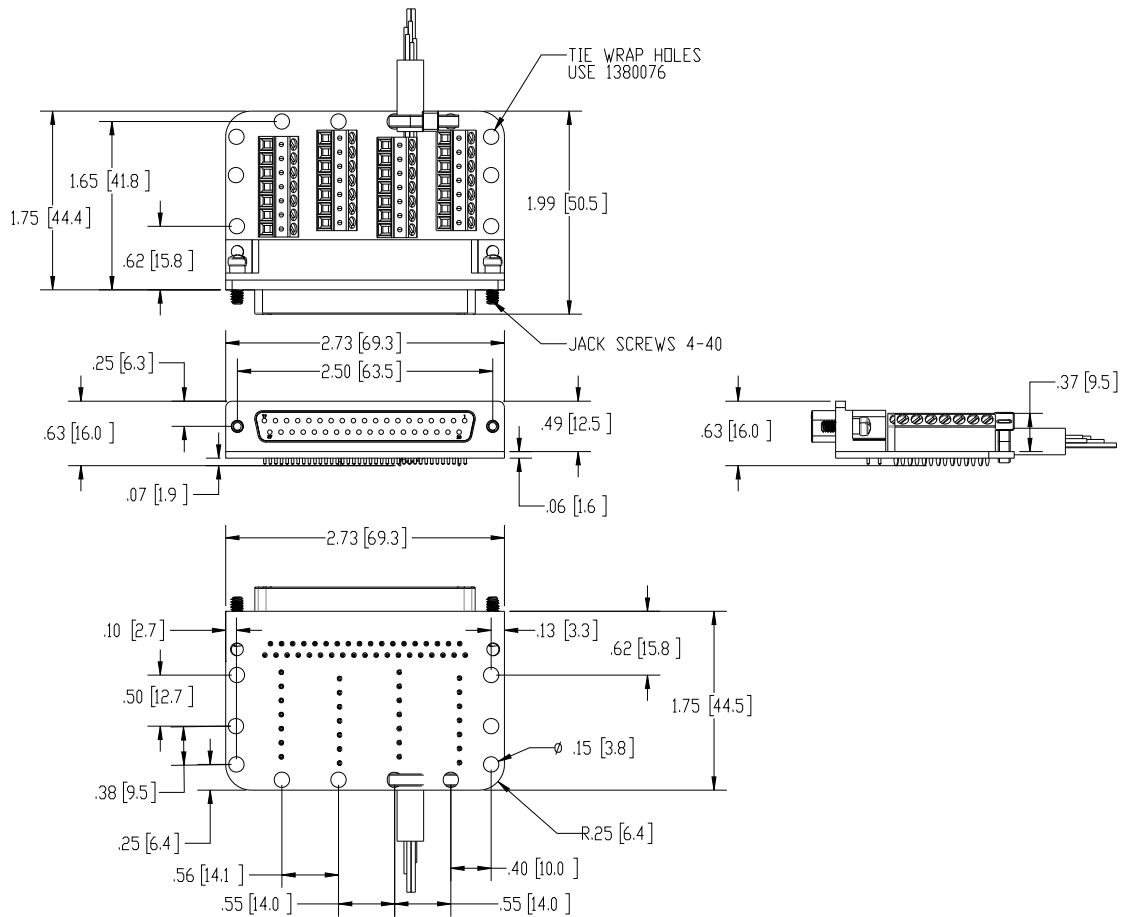
3. WIRING

The unit is shipped assembled. Refer to Figures 3 and 4 when wiring the adapter and observe the requirements listed in Table 2. Wires to be inserted in terminals of TB1 through TB4 must be stripped to 0.25"(6mm) and torqued to 1.8 lb*in (0.2Nm). Two tie wraps are provided to secure wires. For wire bundles exiting straight, use holes D/E, E/F and F/G

(see Figure 4) to attach the tie wraps; for wires exiting at a 45 degree angle use holes C/D and G/H, and for wires exiting at a 90 degree angle, use holes A/B and J/K

TABLE 2. WIRING SPECIFICATIONS

SPECIFICATION	REQUIREMENT
Maximum Voltage	300V
Maximum Current	2A
TB 1 through 4 Euroblock Torque	1.8 lb*in (0.2Nm)
Wire strip length	0.25 in. (6mm)



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FIGURE 2. KIT 219-0465 ADAPTER ASSEMBLY, OUTLINE DIMENSIONS

4. ASSEMBLY

1. Wire the adapter as described in PAR. 3, Torque wire connections to 1.8 lb*in. (0.2Nm) max.
2. Choose the desired exit direction and install tie wraps to secure wires
3. Install the completely wired adapter assembly on the I/O connector of the RA 60 or RA 90 Series rack adapter or HSP power supply. Mate adapter to I/O connector, slightly engaging pins and connector flanges, then gradually tighten the two jackscrews, alternating between them, while ensuring they thread smoothly

and easily to prevent cross-threading. Once hand tight, torque both jackscrews (captive screws) to 4 in*lb (0.45Nm) max. (see Figure 1).

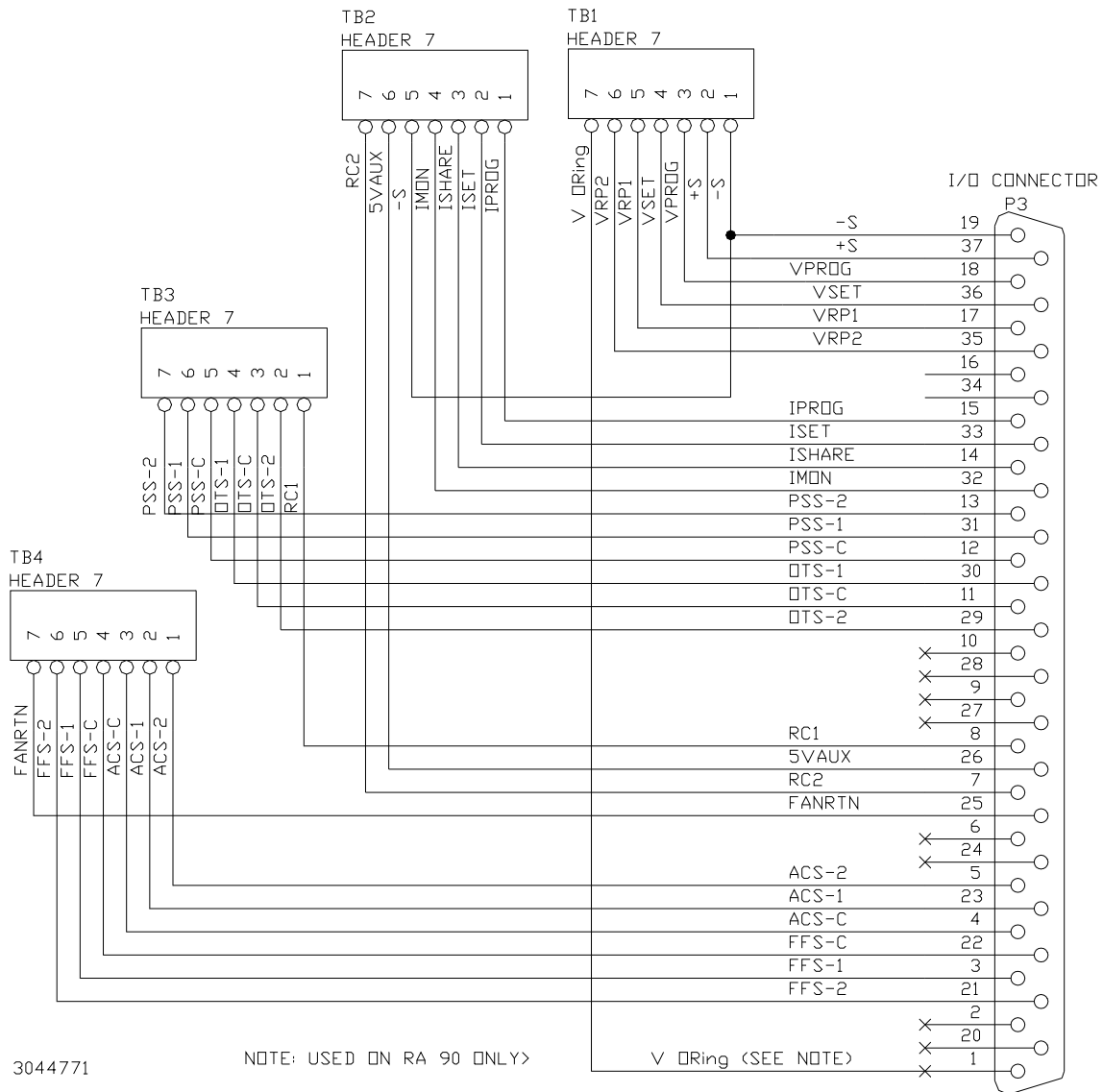
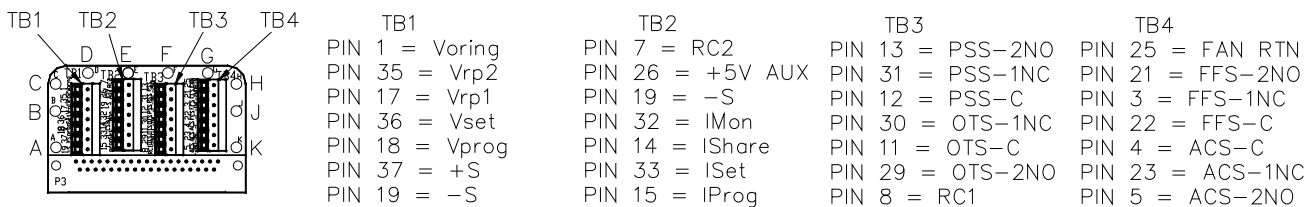


FIGURE 3. KIT 219-0646 ADAPTER SCHEMATIC WIRING DIAGRAM



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NOTE: REFER TO RA 90 INSTRUCTION MANUAL OR HSP OPERATOR MANUAL FOR PIN FUNCTIONS..

FIGURE 4. ADAPTER ASSEMBLY, PIN ASSIGNMENTS