

KPCI Data Acquisition Boards -- Connector Information

Model	Board Receptacle	Mating Cable Plug **	Comments
KPCI-3101, KPCI-3102, KPCI-3103, KPCI-3104; KPCI-3140	AMP: 787169-7	AMP: 749621-7, 3M: 2S68-0000GG	AMP: 0.050" Amplimite 3M: 0.050" SCSI 68 pins same as SCSI II connector
KPCI-3107, KPCI-3108; KPCI-3130, KPCI-3132 *	2 pieces, same type— 3M: N10236-52B2VC * -3132: 1 piece only	2 pieces, same type— AMP: 2-175677-5 3M: 10136-6000EC (IDC), 10136-3000VE (solder) * -3132: 1 piece only	AMP: 0.050" Champ II 3M: 0.050" Mini-D ribbon 36 pins same as IEEE-1284-C printer connector
KPCI-3110, KPCI-3116	<i>50 pin Analog</i> — AMP: 787096-1 <i>68 pin Digital</i> — AMP: 787254-1	<i>50 pin Analog</i> — AMP: 787131-1 <i>68 pin Digital</i> — AMP: 787131-3 3M: no equivalents	AMP: 0.8mm Champ 3M: not available number of pins as noted
KPCI-1800HC, DAS-1800HC, KPCI-3160	3M: N102A0-52E2VC	AMP: 2-175677-9 3M: 101A0-6000EC (IDC), solder not available this size	AMP: 0.050" Champ II 3M: 0.050" Mini-D ribbon 100 pins
KPCI-PIO24	(DB-37P male, right angle board mount connector)	AMP: 747917-2 typ. 3M: 899 series typ. Generic: DB-37S; available as IDC, crimp, solder	AMP: Amplimite 3M: D Sub 37 pins (very common)
KPCI-PIO96	3M: 2550-6002UB	AMP: 1-746290-0 3M: 3425-6050	AMP: AMP-Latch 3M: 0.050" pitch cable IDC 50 pins (25 x 2) 0.1" header/socket (very common)

** Except where noted, all plugs are IDC (Insulation Displacement Connector) types, which are mass-terminated by pressing a precisely-spaced cable onto insulation-piercing fingers. Due to the high connector pin density, few of the above connectors are available in solder-cup versions.

Connector Manufacturer URLs:

AMP: <http://connect.amp.com/AMP/bin/AMP.Menu?M=Main>

3M: <http://www.3m.com/interconnects/>