

### 26-Pin D-type Connector Accessories

- Standard Voltage to 250V AC/400V, 3A
- Mating Connectors
- Cable Assemblies
- Guaranteed Compatibility

The Standard Voltage 26-Pin D-Type connector is used on PXI products to provide a medium density user connector solution.

Connector to Connector cable assemblies provide a simple way of connecting the product to the user's remote mating connection. Connectors to unterminated solutions allow the user to connect directly to the product connector and wire directly into a remote UUT. Cable assemblies are offered in various lengths to match most user requirements.

For unterminated versions of cables we offer options based on the use of boot lace ferrules, tinned copper ends or simple cut ends to suit user termination requirements.

For users wishing to develop their own cabling solutions, we offer mating connectors and connector hoods which allow users to create either their own cable based solutions,

Pickering Interfaces can manufacture custom connector accessories to suit any application, if you do not see what you need then contact your Pickering Interfaces sales office with information on your requirements and let us solve your connection problems.





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#### **Contents - Additional Accessories**

Although these items do not directly mate with Pickering Interfaces products customers may find them useful in the development of their own connection solutions.

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#### **Custom Termination**

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## 26-Pin D-Type Connector - Female

- Right Angle PCB Mount
- Ideal for User Created Termination Solutions

This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.



**Technical Specification** Connector Type (End A): 26-Pin D-Subminiature, High density Gender Female 4-40 UNC screwlocks, female Securing Method PCB Connection (End B): Gender Male **Connection Method** Solder Mounting Right angle PCB mount Connector Ratings: Maximum Current 5A each pin Maximum Voltage 500V max 26-Pin D-Sub: Contact Material Gold plated copper alloy **Contact Resistance** <20mOhm PCB Legs: Effective Leg Length 3.6mm nom (See diagram) **Effective Leg Length** End A 3.6mm nom End B Product Order Codes

26-Pin D-Type Connector, 5A, Right Angle PCB Mount Female 40-963-026-RF

## 26-Pin D-Type Connector - Female

#### • Straight PCB Mount

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#### Ideal for User Created Termination Solutions

This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.





## 26-Pin D-Type Connector - Male

Right Angle PCB Mount

#### Ideal for User Created Termination Solutions

This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.





## 26-Pin D-Type Connector - Male

#### • Straight PCB Mount

#### Ideal for User Created Termination Solutions

This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.





# Additional Connection Accessories

Although these items do not directly mate with Pickering Interfaces products customers may find them useful in the development of their own connection solutions.







#### **Custom Termination**

Pickering Interfaces are able to manufacture custom built cable assemblies and backshells that mate with all the connectors we use in our extensive product range and to provide connection solutions for third party products.

We are able to model and manufacture cable assemblies and other termination arrangements to user notes and drawings, and to deal with simple and complex assemblies, and both small and high volume orders.

All products are designed to ensure easy and problem free connection.

We offer a fast turn round of custom items to keep your ordering and integration timescales to a minimum.

## **NEW - Pickering's Cable Design Tool**





Go to pickeringtest.com/cdt to find out more.

Over the years, we have received many requests for customized cabling solutions that are often based on our standard cable assemblies but adjusted to match specific application requirements. To help with this, we have introduced our Cable Design Tool – a new graphically based web tool for cable design. We're excited about the features the software includes:

- · Graphical design of customized cable assemblies
- Built-in library of standard cable sets to be used as the basis for customization or cables can just be defined from scratch
- The ability to store cable assemblies in the Cloud and develop over time
- Each cable design has a documentation pdf file detailing all of the specifications
- Very detailed design characteristics including the selection of connector types, wire type, pin definitions, pin and cable labeling, cable bundling, length selection, sleeving, comments, etc.
- Runs on popular browsers, Windows, Mac and Linux
- Fully supported on popular tablets: iPad and Android
- Built-in tutorials allow you to get quickly up to speed

Because the Cable Design Tool is a web-based tool, we will continually update it to better accommodate your requirements and features. Your data is not trapped; complete details of the design are always available to the user at any time via the documentation or spreadsheet file. Once a cable is designed, you can submit it to us for quotation.

## Appendix - Part Number Listing

	Cables: 26-Pin D-Type Connector to Connector								
E	End 1		End 2	Pro	Product Order Code/Part Number				
Gender	Cable Exit	Gender	Cable Exit	0.5m Long	0.5m Long 1m Long 2m Long				
Male	45° Towards Pin 1	Female	45° Away from Pin 1	40-970-026-0.5m-MF	40-970-026-1m-MF	40-970-026-2m-MF	Yes (Female end)	4	
Female	45° Away from Pin 1	Female	45° Away from Pin 1	40-970-026-0.5m-FF	40-970-026-1m-FF	40-970-026-2m-FF	Yes	5	
Male	45° Towards Pin 1	Male	45° Towards Pin 1	40-970-026-0.5m-MM	40-970-026-1m-MM	40-970-026-2m-MM	No	13	

	Cables: 26-Pin D-Type Connector to Unterminated								
E	End 1 End 2 Product Order Code/Part Number					Mates with a Pickering	Data Sheet		
Gender	Cable Exit	Options	0.5m Long	1m Long	2m Long	Switching Product	Page		
	45°	Boot Lace Ferrules	40-972-026-0.5m-FU	40-972-026-1m-FU	40-972-026-2m-FU	Yes			
Female	Away from	Tinned Ends	A026HF4-T-0A050	A026HF4-T-0A100	A026HF4-T-0A200	Yes	6		
	Pin 1	Pin 1	Cut End	A026HF4-C-0A050	A026HF4-C-0A100	A026HF4-C-0A200	Yes		
		Boot Lace Ferrules	40-972-026-0.5m-MU	40-972-026-1m-MU	40-972-026-2m-MU	No			
Male	45° Towards Pin 1	Tinned Ends	A026HM5-T-0A050	A026HM5-T-0A100	A026HM5-T-0A200	No	14		
		Cut End	A026HM5-C-0A050	A026HM5-C-0A100	A026HM5-C-0A200	No			

Cable Connectors: 26-Pin D-Type							
		Cable Evit	Product Order Co	de/Part Number	Mates with a Pickering	Data Sheet	
Туре	Gender	Cable Exit	With Backshell	Without Backshell	Switching Product	Page	
Cable	Female	45° Options	40-960-026-F	92-960-026-F	Yes	7	
Connector	Male	45° Options	40-960-026-M	92-960-026-M	No	15	

	PCB Connectors: 26-Pin D-Type								
Туре	Mount	Gender	Cable Exit	Product Order Code /Part Number	Mates with a Pickering Switching Product	Data Sheet Page			
	Right Angle PCB Mount Straight	Female	N/A	40-963-026-RF	Via a Cable	8			
PCB		Male	N/A	40-963-026-RM	Via a Cable	10			
Connector		Female	N/A	40-963-026-SF	Via a Cable	9			
	PCB Mount	Male	N/A	40-963-026-SM	Via a Cable	11			