

- 150 VDC, 1A
- Cable Assemblies
- Connector Blocks
- Cable and PCB Connectors
- Guaranteed Compatibility

## Simple Connection

Pickering connection solutions provide a simple way of connecting to a user's device under test or remote connection. The products include cable assemblies, cable connectors, connector blocks and pcb connectors.

## Cable Assemblies

Cable assemblies are offered in connector to connector, and connector to unterminated versions. The unterminated cables are offered with tinned ends.

## Connector Blocks

Connector Blocks convert the 200-pin LFH connections to an array of screw terminals. The customer can then interface to other devices using his own wiring.



An Example of a PXI Product using 200-Pin LFH Connectors



## Custom Design Needs

Pickering Interfaces can manufacture custom connector accessories to suit any application. If you do not see what you need in this data sheet contact your Pickering Interfaces sales office with information on your requirements or consider using our free online Cable Design Tool.

Using our Cable Design Tool, you can graphically design your own custom cable assembly. Once completed and submitted, our engineers will generate a quote for your cable requirements. See [pickeringtest.com/cdt](https://pickeringtest.com/cdt)



An Example of a Populated Pickering PXI Chassis

## Note: PXI Chassis





Due to constraints on the connector design some connector backshells slightly overlap the adjacent module when fitted, and it may be necessary to remove the connector to take out the card on the immediate left.

## Cable Assemblies


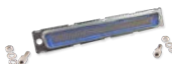
Description		End 1	End 2		Cable Length	Product Order Code and Part Number	Data Sheet Page
		Gender & Cable Exit	Gender & Cable Exit	Options			
	Cable Assy, 200-Pin LFH, 1A	Male, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	Female, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	-	0.5 m 1 m 2 m	A200LMR-200LFR-6B050 A200LMR-200LFR-6B100 A200LMR-200LFR-6B200	<a href="#">6</a>
		Male, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	Male, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	-	0.5 m 1 m 2 m	40-970B-200-0.5m-MM 40-970B-200-1m-MM 40-970B-200-2m-MM	<a href="#">7</a>
	Extender Cable Assy, 200-Pin LFH, 1A	Male, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	Female, Rear Cable Exit, 4-40 UNC Screwlocks (Female)	-	0.5 m 1 m 2 m	A200LMR-200LFR-5B050 A200LMR-200LFR-5B100 A200LMR-200LFR-5B200	<a href="#">8</a>
	Extender Cable Assy, 200-Pin LFH, 1A	Male, 90° Exit (Towards Pin 1), 4-40 UNC Screwlocks (Male)	Female, Rear Cable Exit, 4-40 UNC Screwlocks (Female)	-	0.5 m 1 m 2 m	A200LMB-200LFR-5B050 A200LMB-200LFR-5B100 A200LMB-200LFR-5B200	<a href="#">9</a>
	Cable Assy, 200-Pin LFH to Unterminated, 1A	Male, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	Unterminated	Tinned End	0.5 m 1 m 2 m	40-972B-200-0.5m-MU 40-972B-200-1m-MU 40-972B-200-2m-MU	<a href="#">10</a>
	Cable Assy, 200-Pin LFH to 50-Pin Ribbon, 1A	Male, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	4 x 50-Pin Ribbon, Female, (Push Fit)	-	0.5 m 1 m 2 m	40-971B-200-0.5m-MF 40-971B-200-1m-MF 40-971B-200-2m-MF	<a href="#">12</a>
			4 x 50-Pin Ribbon, Male, (Latches)	-	0.5 m 1 m 2 m	40-971B-200-0.5m-MM 40-971B-200-1m-MM 40-971B-200-2m-MM	<a href="#">14</a>
	Cable Assy, 200-Pin LFH, to 50-Pin D-Type, 1A	Male, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	4 x 50-Pin D-Sub, Male, 45° Exit, (4-40 UNC, Male)	-	0.5 m 1 m 2 m	40-971B-200D-0.5m-MM 40-971B-200D-1m-MM 40-971B-200D-2m-MM	<a href="#">16</a>
			4 x 50-Pin D-Sub, Female, 45° Exit, (4-40 UNC, Male)	-	0.5 m 1 m 2 m	40-971B-200D-0.5m-MF 40-971B-200D-1m-MF 40-971B-200D-2m-MF	
		Male, 90° Exit (Away from Pin 1), 4-40 UNC Screwlocks (Male)	4 x 50-Pin D-Sub, Female, 45° Exit, (4-40 UNC, Male)	-	0.5 m 1 m 2 m	A200LMB-04F050D5B050 A200LMB-04F050D5B100 A200LMB-04F050D5B200	<a href="#">19</a>
<b>Note:</b> Custom lengths by quotation. Max length 5 m.							

Please click on the page number to navigate to the data sheet page required. Return to this page via the [C](#) button.

## Male Connector Blocks/Connectors

Description		Type	Options	Product Order Code and Part Number	Page
	PXI Connector Block, 200-Pin LFH, 1A, Screw Terminal	Male, Rear Cable Exit, (4-40 UNC, Male)	With Backshell	40-965-200-M	21
			Without Backshell	92-965-200-M	
	PCI Connector Block, 200-Pin LFH, 1A, Screw Terminal	Male, Rear Cable Exit, (4-40 UNC, Male)	With Backshell	50-965-200-M	22
	Cable Connector 200-Pin LFH, 1A, Solder Pin	Male, Rear Cable Exit, (4-40 UNC, Male)	With Backshell	40-961A-200-M	23
			Without Backshell	92-961-200-M	
	Cable Connector 200-Pin LFH, 1A, Solder Pin	Male, 90° Cable Exit, (4-40 UNC, Male)	With Backshell	C200LMB-2SP-5A	24




## PCB Connectors

Description		Type	Options	Product Order Code and Part Number	Page
	PCB Connector 200-Pin LFH, 1A	Female, 4-40 UNC Screwlocks (Female)	Right Angle PCB Mount	40-963-200-RF	25
		Male, 4-40 UNC Screwlocks (Female)	Straight PCB Mount	40-963-200-SM	27

## Additional Accessories





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

### Cable Assemblies

Description		End 1	End 2		Cable Length	Product Order Code and Part Number	Data Sheet Page
		Type	Type	Options			
	Cable Assy, 200-Pin LFH, 1A	Female, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	Female, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	-	0.5 m 1 m 2 m	A200LFR-200LFR-6B050 A200LFR-200LFR-6B100 A200LFR-200LFR-6B200	<a href="#">30</a>
		Female, Rear Cable Exit, 4-40 UNC Screwlocks (Female)	Female, Rear Cable Exit, 4-40 UNC Screwlocks (Female)	-	0.5 m 1 m 2 m	40-970B-200-0.5m-FF 40-970B-200-1m-FF 40-970B-200-2m-FF	<a href="#">31</a>
	Cable Assy, 200-Pin LFH to Underterminated, 1A	Female, Rear Cable Exit, 4-40 UNC Screwlocks (Female)	Underterminated	Tinned End	0.5 m 1 m 2 m	40-972B-200-0.5m-FU 40-972B-200-1m-FU 40-972B-200-2m-FU	<a href="#">32</a>
	Cable Assy, 200-Pin LFH, 1A, to 50-Pin Ribbon	Female, Rear Cable Exit, 4-40 UNC Screwlocks (Female)	4 x 50-Pin Ribbon, Female, Push Fit		0.5 m 1 m 2 m	40-971B-200-0.5m-FF 40-971B-200-1m-FF 40-971B-200-2m-FF	<a href="#">34</a>
			4 x 50-Pin Ribbon, Male, Latches		0.5 m 1 m 2 m	40-971B-200-0.5m-FM 40-971B-200-1m-FM 40-971B-200-2m-FM	<a href="#">36</a>

**Note:** Custom lengths by quotation. Max length 5 m.

### Connector Blocks/Connectors

Description		Type	Options	Product Order Code and Part Number	Page
	Connector Block, 200-Pin LFH, 1A, Screw Terminal	Female, Rear Cable Exit, 4-40 UNC Screwlocks (Female)	With Backshell	B200LFR-2F-5B	<a href="#">38</a>
			Without Backshell	B200LFX-2F-5B	
	Cable Connector 200-Pin LFH, 1A, Solder Pin	Male, Rear Cable Exit, M3 Screwlocks (Male)	With Backshell	40-961A-200-M3-M	<a href="#">39</a>
	Cable Connector 200-Pin LFH, 1A, Solder to PCB	Female, Rear Cable Exit, 4-40 UNC Screwlocks (Male)	With Backshell	C200LFR-2SP-5A	<a href="#">40</a>
			Without Backshell	C200LFX-2SP-5A	
	Cable Connector 200-Pin LFH, 1A, Solder to PCB	Female, Rear Cable Exit, 4-40 UNC or M3 Screwlocks (Female)	With Backshell (4-40 UNC)	40-961A-200-F	<a href="#">41</a>
			Without Backshell (4-40 UNC)	92-961-200-F	
			With Backshell (M3)	40-961A-200-M3-F	

Appendix 1

Details of mating products in other Pickering data sheets ..... 42

Appendix 2

Details of recent part number changes..... 44

Custom Termination

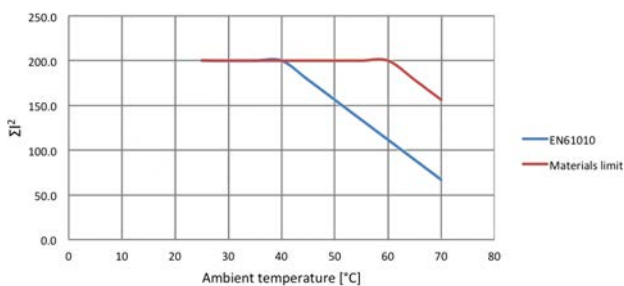
Customization Possibilities ..... 46

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- End B is Suitable for Connecting to PCB Mount Connectors and Breakouts

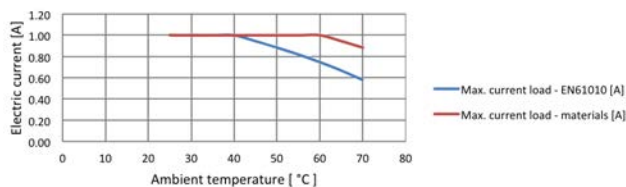
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Male, 4-40 UNC screwlocks (male)
Connector Type (End B):	200-Pin LFH
Gender & Securing Method	Female, 4-40 UNC screwlocks (male)
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connectors:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx) Male	H87 x W18 x D84 mm
Female	H92 x W18 x D84.7 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 $\Omega$ /m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded Cable screens connected to backshells
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

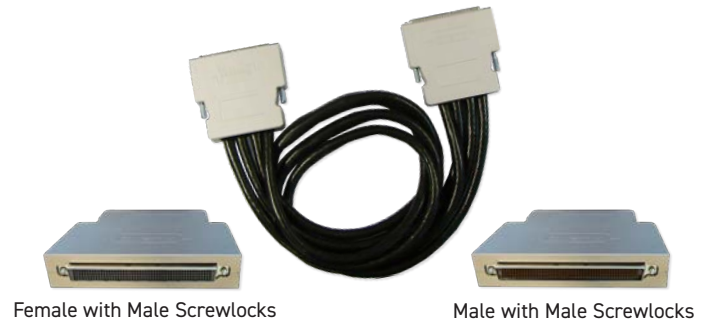
Characteristic Plots for A200LMR-200LFR-6B100



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

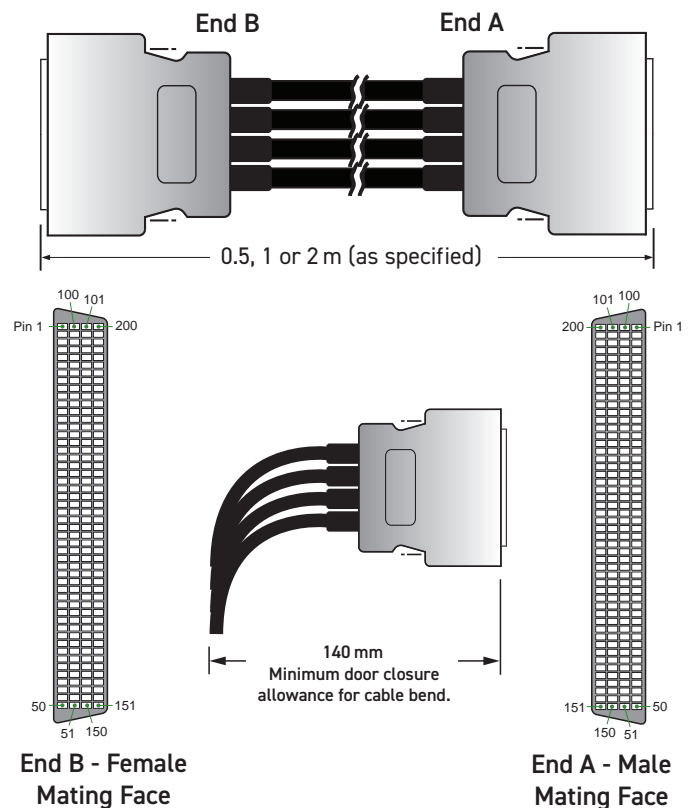
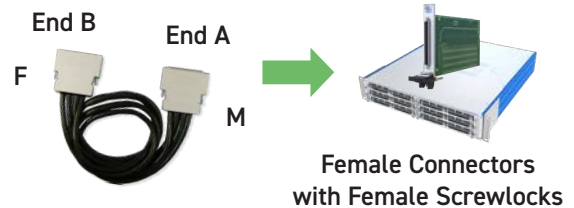


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.



200-Pin LFH Cable Assy

## Product Compatibility



## Product Order Codes

200-Pin LFH Cable Assy, 1A, Male to Female,  
 0.5 m Long [A200LMR-200LFR-6B050](#)  
 1.0 m Long [A200LMR-200LFR-6B100](#)  
 2.0 m Long [A200LMR-200LFR-6B200](#)

**Note:** Other cable lengths can be supplied in multiples of 0.5 m  
 Max length 5 m.

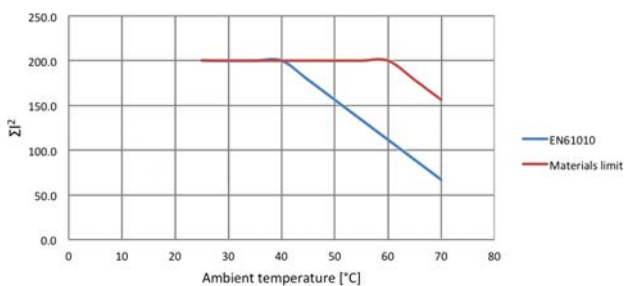


- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- End B is Suitable for Connecting to Another Module, or for Connection to a Female Connector with 4-40 UNC Female Screwlocks

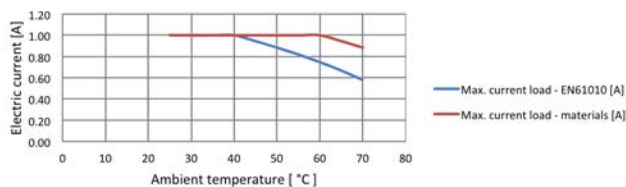
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Male, 4-40 UNC screwlocks (male)
Connector Type (End B):	200-Pin LFH
Gender & Securing Method	Male, 4-40 UNC screwlocks (male)
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connectors:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx)	H87 x W18 x D84 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch
	Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 $\Omega$ /m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded
	Cable screens connected to backshells
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

Characteristic Plots for 40-970B-200-1m



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

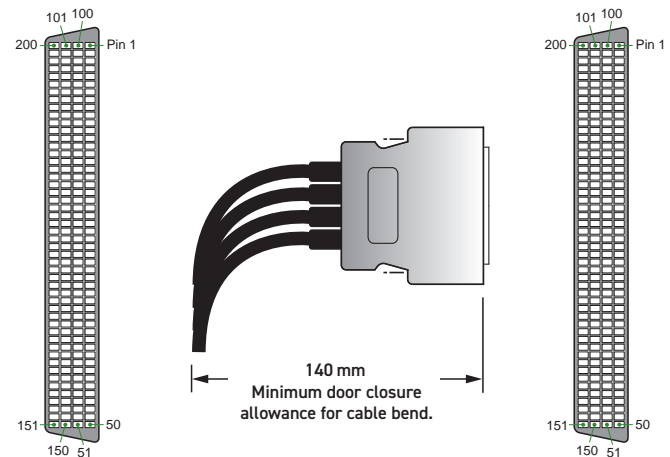
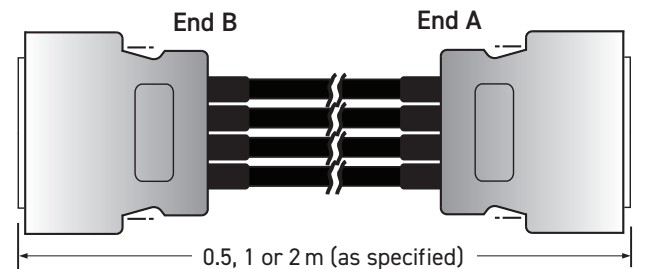
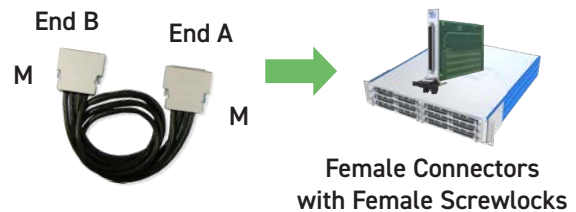


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.



200-Pin LFH Cable Assy

## Product Compatibility



End B - Male Mating Face

End A - Male Mating Face

## Product Order Codes

200-Pin LFH Cable Assy, 1A, Male to Male,  
 0.5 m Long [40-970B-200-0.5m-MM](#)  
 1.0 m Long [40-970B-200-1m-MM](#)  
 2.0 m Long [40-970B-200-2m-MM](#)

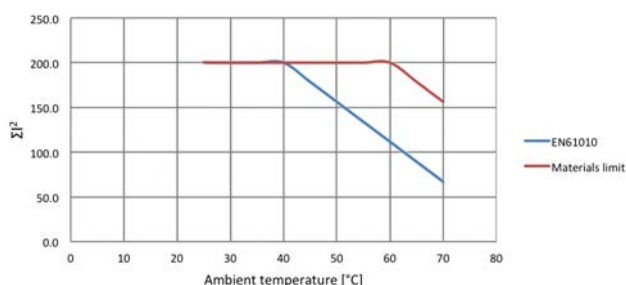
**Note:** Other cable lengths can be supplied in multiples of 0.5 m.  
 Max length 5 m.

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- End B is Suitable for Connection to Another Cable

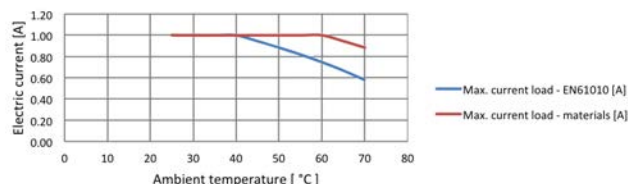
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Male, 4-40 UNC screwlocks (male)
Connector Type (End B):	200-Pin LFH
Gender & Securing Method	Female, 4-40 UNC screwlocks (female)
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connectors:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx) Male	H87 x W18 x D84 mm
Female	H97 x W18 x D84.7 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch
	Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 $\Omega$ /m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded
	Cable screens connected to backshells
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

Characteristic Plots for A200LMR-200LFR-5B100



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

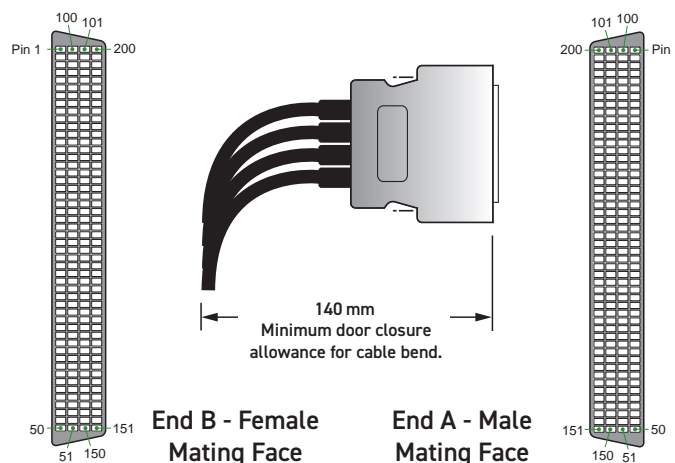
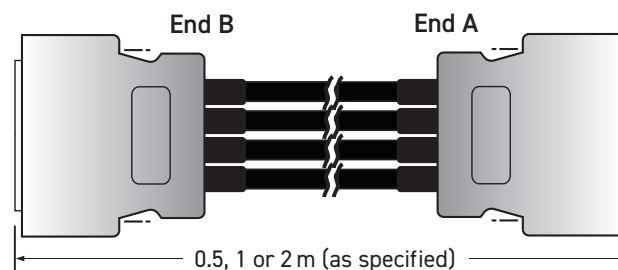
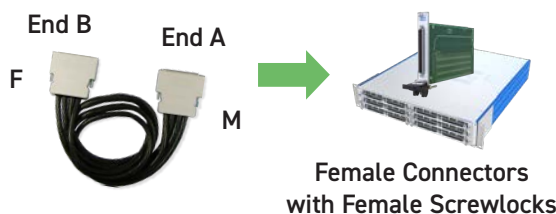


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.



200-Pin LFH Extender Cable Assy

## Product Compatibility



**Note:** 200-Pin female cable connectors with female screwlocks only connect to a Pickering 200-Pin male cable connector with male screwlocks and to a 200-Pin male connector block.

## Product Order Codes

200-Pin LFH Extender Cable Assy, 1A, Male to Female,  
 0.5 m Long [A200LMR-200LFR-5B050](#)  
 1.0 m Long [A200LMR-200LFR-5B100](#)  
 2.0 m Long [A200LMR-200LFR-5B200](#)

**Note:** Other cable lengths can be supplied in multiples of 0.5 m.  
 Max length 5 m.



- High Specification, Highly Flexible Cable
- Male Connector with Bottom Cable Exit
- Fully Screened Cable Construction with Strain Relief

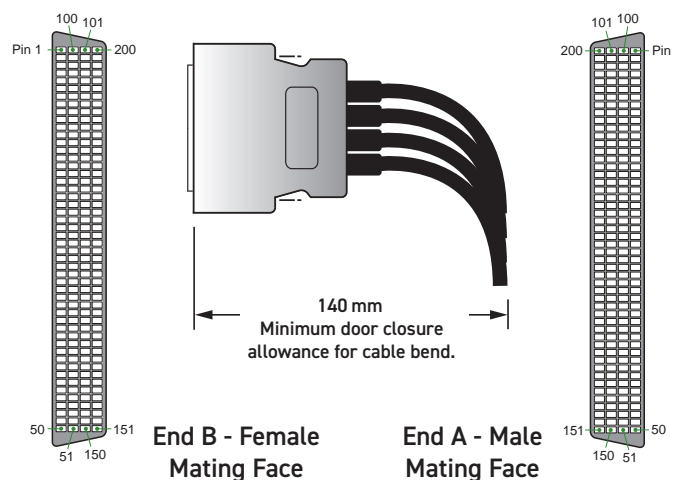
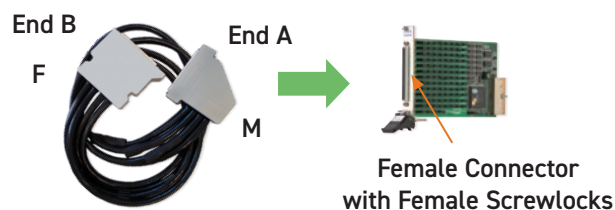
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Male, 4-40 UNC screwlocks (male)
Connector Type (End B):	200-Pin LFH
Gender & Securing Method	Female, 4-40 UNC screwlocks (female)
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connectors:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit: Male	90° (Towards Pin 1)
Female	Rear
Overall Size (Approx): Male	H87 x W18 x D80 mm
Female	H97 x W18 x D84.7 mm
Cable Type:	4 off identified x 50-pin twisted pair
Conductor: Material	Tinned stranded copper, 7/36 (28AWG)
Strands	7/36 (28AWG, 0.38 mm O/D)
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded
	Cable screens connected to backshells
Additional Braided Sleeve	No
Cable O/D	8.1 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	End A: 80 mm (Connector)
	End B: 140 mm (see diagram)



200-Pin LFH Extender Cable Assy

## Product Compatibility

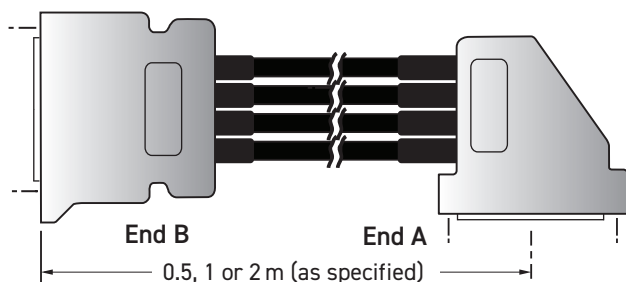


Note: The female end of this extender cable allows the fitting of a 200-Pin male cable connector with male screwlocks and a 200-Pin male connector block.

## Product Order Codes

200-Pin LFH Extender Cable Assy, 1A, Male to Female,	
0.5 m Long	<a href="#">A200LMB-200LFR-5B050</a>
1.0 m Long	<a href="#">A200LMB-200LFR-5B100</a>
2.0 m Long	<a href="#">A200LMB-200LFR-5B200</a>

**Note:** Other cable lengths can be supplied in multiples of 0.5 m.  
Max length 5 m



- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- Color Coded to Ensure Easy Connection

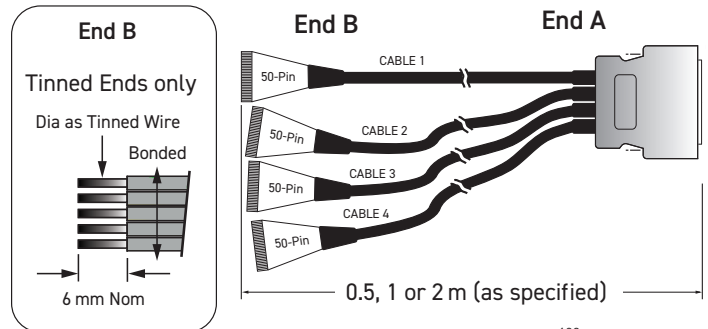
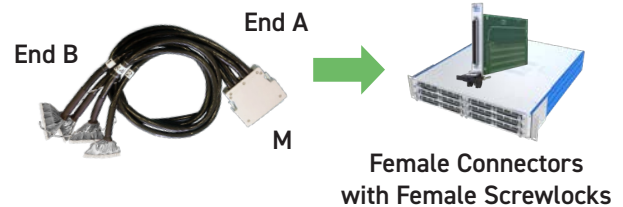
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Male, 4-40 UNC screwlocks (male)
Underterminated End (End B):	4 x 50-Pin Underterminated
Free Wire Length	Tinned contacts only
Individual Wire Labelling	Red marking on ribbon edge denotes pin 1 of individual 50-pin cables. Flying white/black screen pigtails are also included
50-Pin Ribbon Contacts	6mm min tinned copper
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connector:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx)	H87 x W18 x D84 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch.
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 $\Omega$ /m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

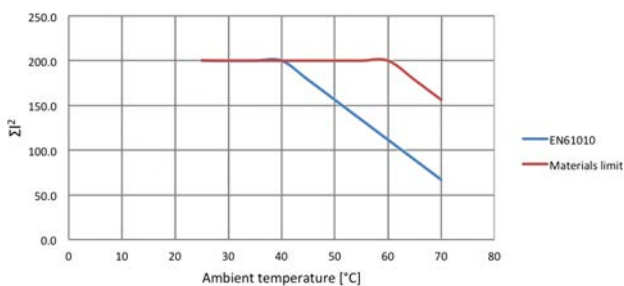


200-Pin LFH Underterminated Cable Assy

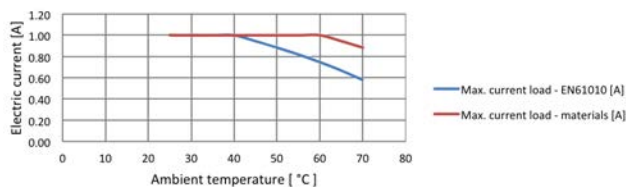
## Product Compatibility



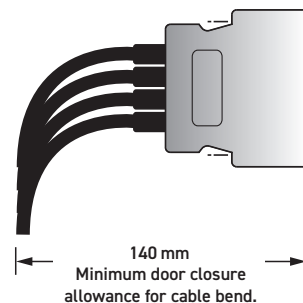
## Characteristic Plots for 40-972B-200-1m



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.



The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.



End A - Male Mating Face

Wiring Schedule information can be found on the following page.

## Product Order Codes

200-Pin LFH Cable Assy, 1A, Male to Underterminated, Tinned Ends, 0.5 m Long	40-972B-200-0.5m-MU
1.0 m Long	40-972B-200-1m-MU
2.0 m Long	40-972B-200-2m-MU

**Note:** Other cable lengths can be supplied in multiples of 0.5 m. Max length 5 m.

## 200-Pin LFH Cable Assy Male to Underterminated 40-972B-200-\*m-MU

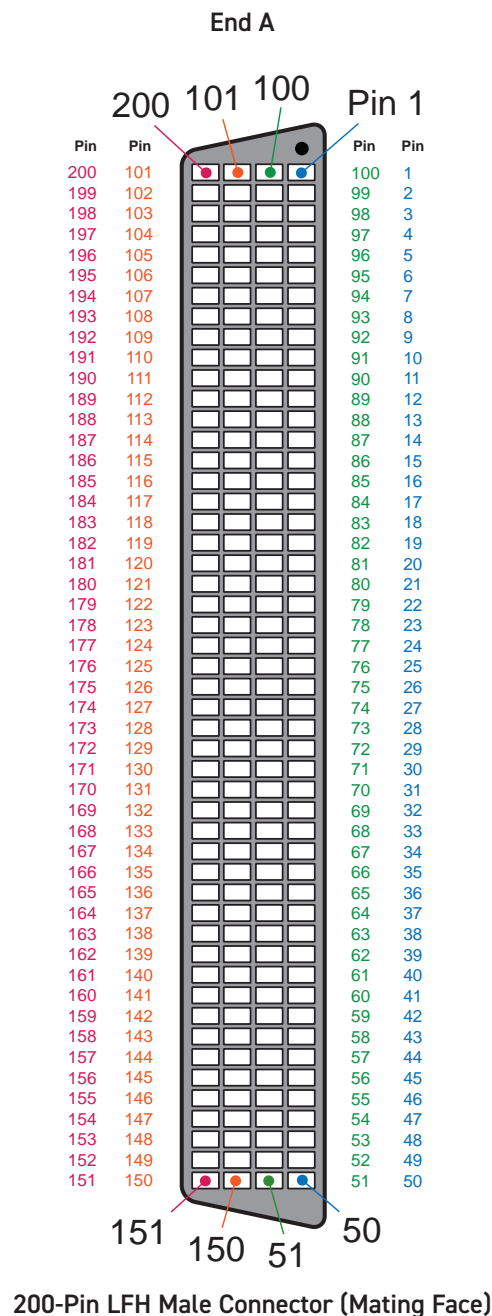
### End B

200-Pin LFH Connector Wiring (Cable 1)			
Pin	Wire Color	Pin	Wire Color
2	Grey	1	Grey - Red Stripe
4	Grey	3	Grey
6	Grey	5	Grey
8	Grey	7	Grey
10	Grey	9	Grey
12	Grey	11	Grey
14	Grey	13	Grey
16	Grey	15	Grey
18	Grey	17	Grey
20	Grey	19	Grey
22	Grey	21	Grey
24	Grey	23	Grey
26	Grey	25	Grey
28	Grey	27	Grey
30	Grey	29	Grey
32	Grey	31	Grey
34	Grey	33	Grey
36	Grey	35	Grey
38	Grey	37	Grey
40	Grey	39	Grey
42	Grey	41	Grey
44	Grey	43	Grey
46	Grey	45	Grey
48	Grey	47	Grey
50	Grey	49	Grey

200-Pin LFH Connector Wiring (Cable 2)			
Pin	Wire Color	Pin	Wire Color
52	Grey	51	Grey - Red Stripe
54	Grey	53	Grey
56	Grey	55	Grey
58	Grey	57	Grey
60	Grey	59	Grey
62	Grey	61	Grey
64	Grey	63	Grey
66	Grey	65	Grey
68	Grey	67	Grey
70	Grey	69	Grey
72	Grey	71	Grey
74	Grey	73	Grey
76	Grey	75	Grey
78	Grey	77	Grey
80	Grey	79	Grey
82	Grey	81	Grey
84	Grey	83	Grey
86	Grey	85	Grey
88	Grey	87	Grey
90	Grey	89	Grey
92	Grey	91	Grey
94	Grey	93	Grey
96	Grey	95	Grey
98	Grey	97	Grey
100	Grey	99	Grey

200-Pin LFH Connector Wiring (Cable 3)			
Pin	Wire Color	Pin	Wire Color
102	Grey	101	Grey - Red Stripe
104	Grey	103	Grey
106	Grey	105	Grey
108	Grey	107	Grey
110	Grey	109	Grey
112	Grey	111	Grey
114	Grey	113	Grey
116	Grey	115	Grey
118	Grey	117	Grey
120	Grey	119	Grey
122	Grey	121	Grey
124	Grey	123	Grey
126	Grey	125	Grey
128	Grey	127	Grey
130	Grey	129	Grey
132	Grey	131	Grey
134	Grey	133	Grey
136	Grey	135	Grey
138	Grey	137	Grey
140	Grey	139	Grey
142	Grey	141	Grey
144	Grey	143	Grey
146	Grey	145	Grey
148	Grey	147	Grey
150	Grey	149	Grey

200-Pin LFH Connector Wiring (Cable 4)			
Pin	Wire Color	Pin	Wire Color
152	Grey	151	Grey - Red Stripe
154	Grey	153	Grey
156	Grey	155	Grey
158	Grey	157	Grey
160	Grey	159	Grey
162	Grey	161	Grey
164	Grey	163	Grey
166	Grey	165	Grey
168	Grey	167	Grey
170	Grey	169	Grey
172	Grey	171	Grey
174	Grey	173	Grey
176	Grey	175	Grey
178	Grey	177	Grey
180	Grey	179	Grey
182	Grey	181	Grey
184	Grey	183	Grey
186	Grey	185	Grey
188	Grey	187	Grey
190	Grey	189	Grey
192	Grey	191	Grey
194	Grey	193	Grey
196	Grey	195	Grey
198	Grey	197	Grey
200	Grey	199	Grey



- Note 1.** The cable screens are connected to the connector backshell at End A
- Note 2.** A flying white/black insulated screen pigtail is included at End B for each cable

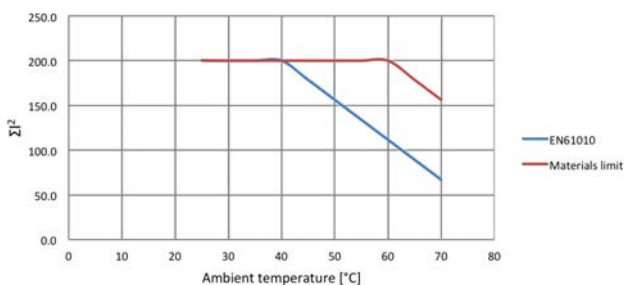
# Cable Assy - Male to 4 x 50-Pin Ribbon (Female) 90-002D

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief

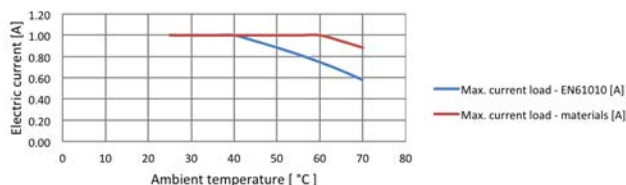
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Male, 4-40 UNC screwlocks (male)
Connector Type (End B):	4 off x 50-Pin ribbon, 0.1" (2.54 mm) pitch
Gender & Securing Method	Female, Push fit
Individual Wire Labelling	Red marking on ribbon edge denotes pin 1 of individual 50-pin cables. Flying white/black screen pigtails are also included
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connector (End A):	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx)	H87 x W18 x D84 mm
Connector (End B):	
Contact Material	Phosphor bronze/Au flash
Contact Resistance	<20 mOhm
Cable Exit	Side
Overall Size (Approx)	H17 x W68 x D6 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch. Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 $\Omega$ /m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded (Screen/backshell connection)
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

Characteristic Plots for 40-971B-200-1m



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

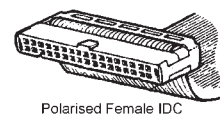
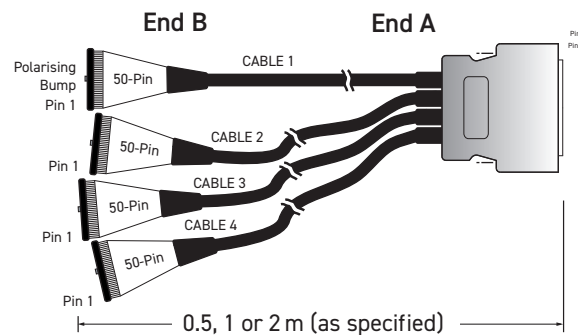
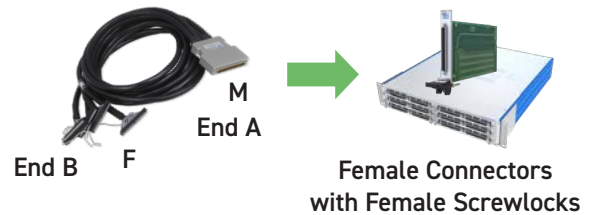


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.

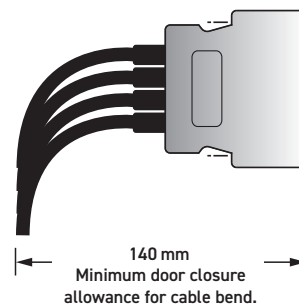


200-Pin LFH Cable Assy

## Product Compatibility



End B Mating Face



End A - Male Mating Face

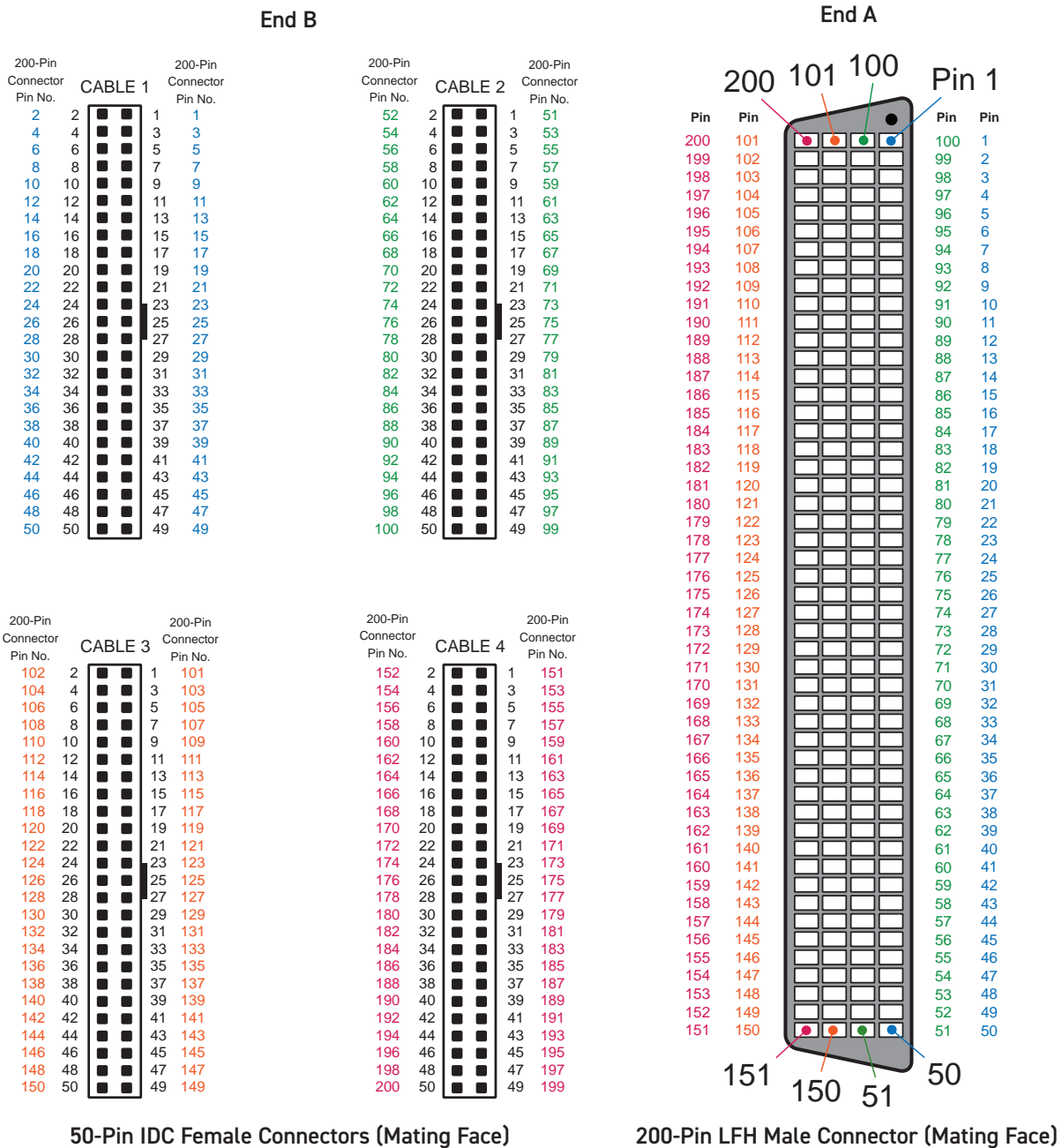
Wiring Schedule information can be found on the following page.

## Product Order Codes

200-Pin LFH Cable Assy, 1A, Male to 50-Pin Ribbon, Female,	
0.5 m Long	40-971B-200-0.5m-MF
1.0 m Long	40-971B-200-1m-MF
2.0 m Long	40-971B-200-2m-MF

**Note:** Mating IDC products are available on data sht 90-004D.  
Other cable lengths can be supplied in multiples of 0.5 m.  
Max length 5 m.

## 200-Pin LFH (Male) to 4 x 50-Pin IDC (Female) 40-971B-200-\*m-MF



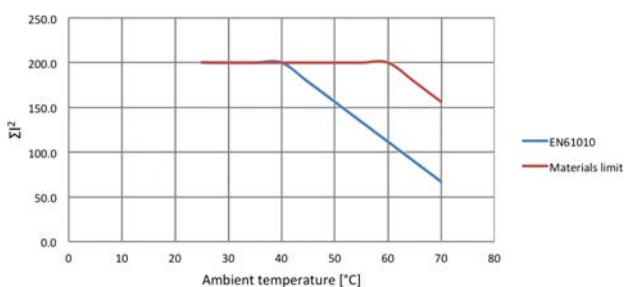
- Note**
1. The cable screens are connected to the connector backshell at End A
  2. A flying white/black insulated screen pigtail is included at End B for each cable

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief

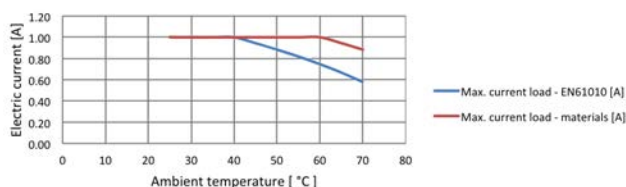
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Male, 4-40 UNC screwlocks (male)
Connector Type (End B):	4 off x 50-Pin ribbon, 0.1" (2.54 mm) pitch
Gender & Securing Method	Male, Latches
Individual Wire Labelling	Red marking on ribbon edge denotes pin 1 of individual 50-pin cable. Flying white/black screen pigtails are also included
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connector (End A):	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx)	H87 x W18 x D84 mm
Connector (End B):	
Contact Material	Cu alloy/selective Au flash
Contact Resistance	<20 mOhm
Cable Exit	Side
Overall Size (Approx)	H30.4 x W82.3 x D8 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch. Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 $\Omega$ /m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded (Screen/backshell connection)
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

Characteristic Plots for 40-971B-200-1m



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

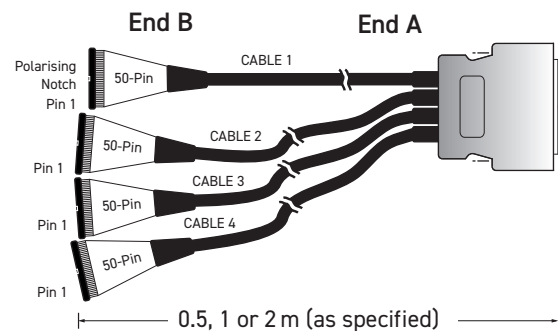
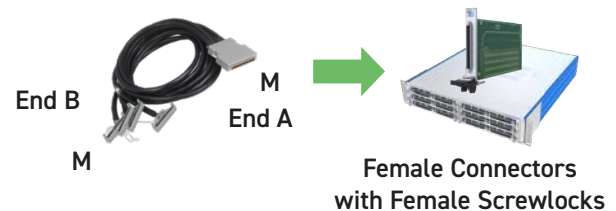


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.

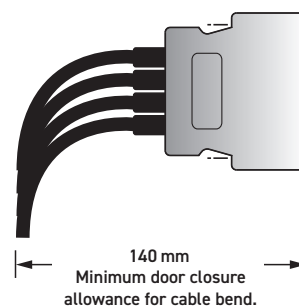


200-Pin LFH Cable Assy

## Product Compatibility



50-Pin Male IDC connector



End A - Male Mating Face

Wiring Schedule information can be found on the following page.

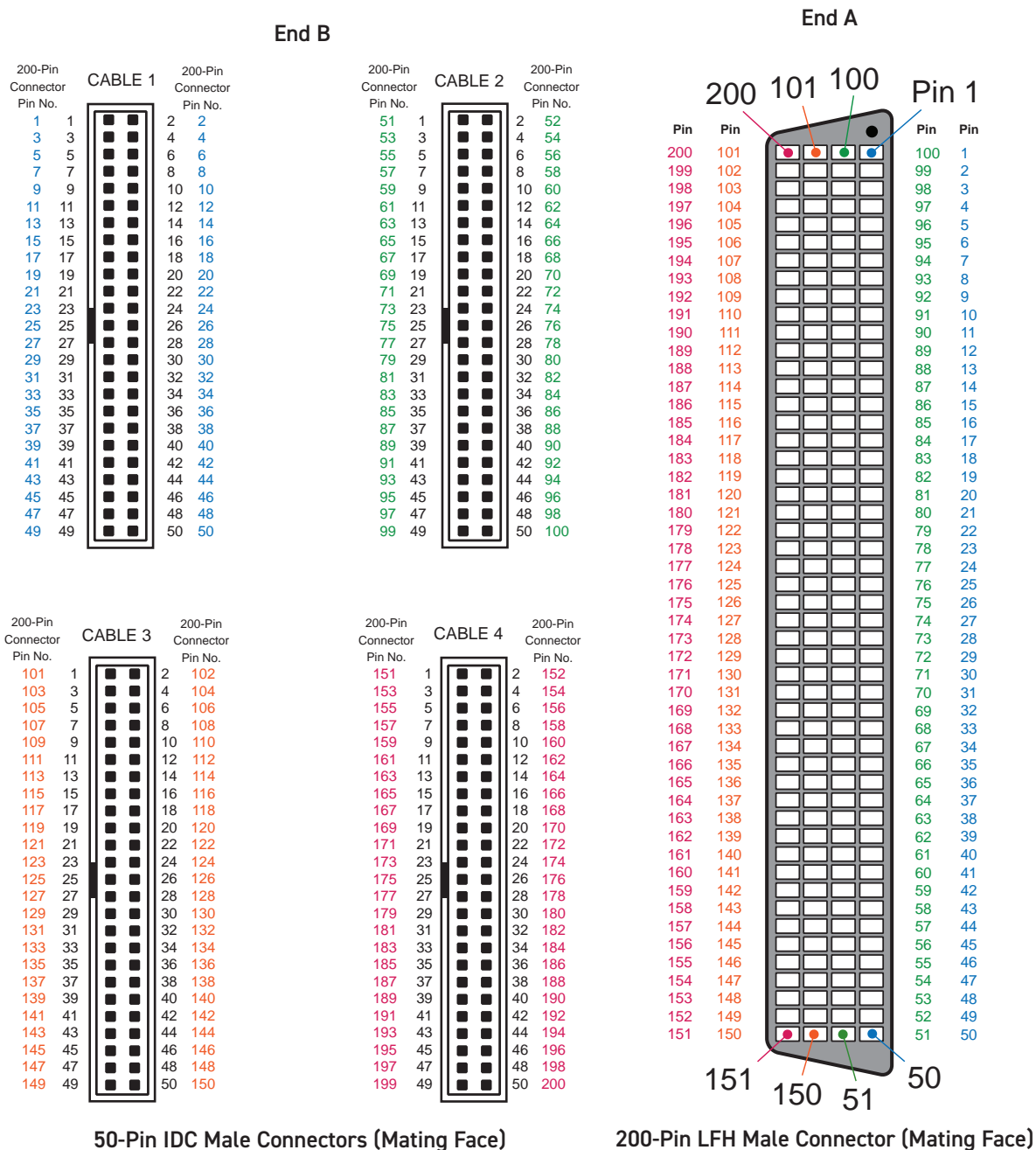
## Product Order Codes

200-Pin LFH Cable Assy, 1A, Male to 50-Pin Ribbon, Male,	
0.5 m Long	40-971B-200-0.5m-MM
1.0 m Long	40-971B-200-1m-MM
2.0 m Long	40-971B-200-2m-MM

**Note:** Mating IDC products are available on data sht 90-004D.  
Other cable lengths can be supplied in multiples of 0.5 m.  
Max length 5 m.



## 200-Pin LFH (Male) to 4 x 50-Pin IDC (Male) 40-971B-200-\*m-MM



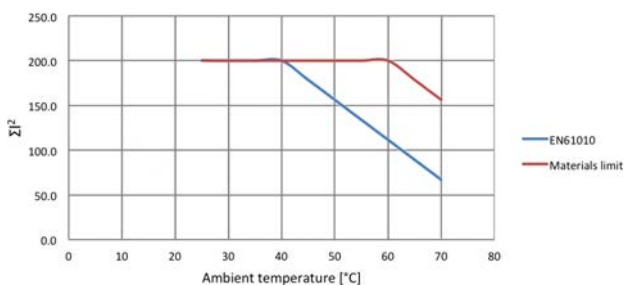
- Note 1.** The cable screens are connected to the connector backshell at End A  
**Note 2.** A flying white/black insulated screen pigtail is included at End B for each cable

- High Specification, Highly Flexible Cable
- Can be used with Pickering 50-Pin D-Type Breakouts.  
See 90-005D

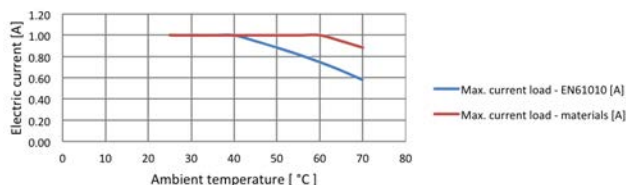
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Male, 4-40 UNC screwlocks (male)
Connector Type (End B):	4 off x 50-Pin D-Sub
Gender & Securing Method	Male or female, 4-40 UNC screwlocks (male)
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connector (End A):	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx)	H87 x W18 x D84 mm
Connectors (End B):	
Contact Material	Gold/Copper
Contact Resistance	<20 mOhm
Cable Exit	45°
Overall Size (Approx)	H68 x W18.5 x D55 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch. Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 Ω/m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded Cable screens connected to backshells
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

Characteristic Plots for 40-971B-200D-1m



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

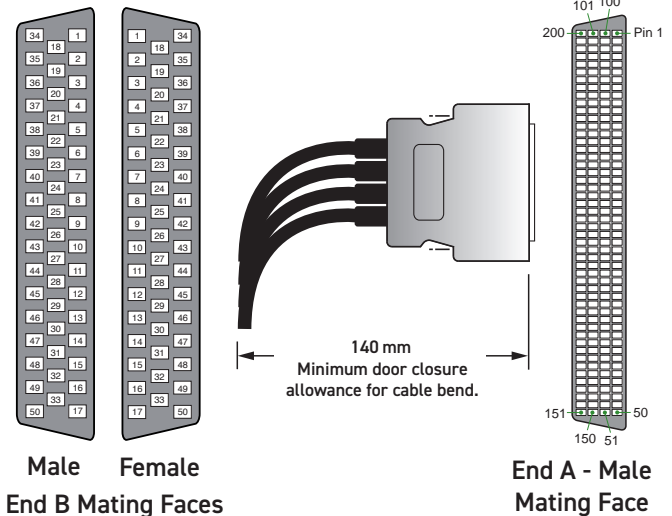
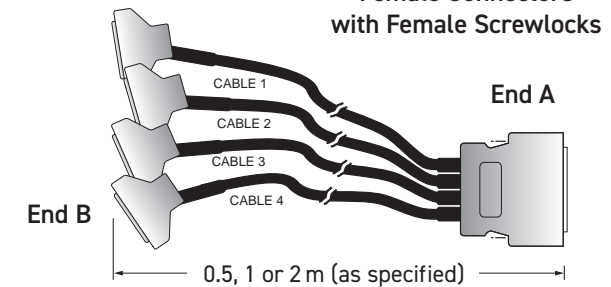
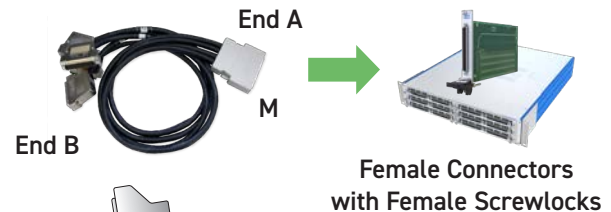


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.



200-Pin LFH  
Cable Assy

## Product Compatibility



Wiring Schedule information can be found on the following pages.

## Product Order Codes

200-Pin LFH Cable Assy, 1A, Male to 50-Pin D-Type, Male,	
0.5 m Long	<a href="#">40-971B-200D-0.5m-MM</a>
1.0 m Long	<a href="#">40-971B-200D-1m-MM</a>
2.0 m Long	<a href="#">40-971B-200D-2m-MM</a>
200-Pin LFH Cable Assy, 1A, Male to 50-Pin D-Type, Female,	
0.5 m Long	<a href="#">40-971B-200D-0.5m-MF</a>
1.0 m Long	<a href="#">40-971B-200D-1m-MF</a>
2.0 m Long	<a href="#">40-971B-200D-2m-MF</a>

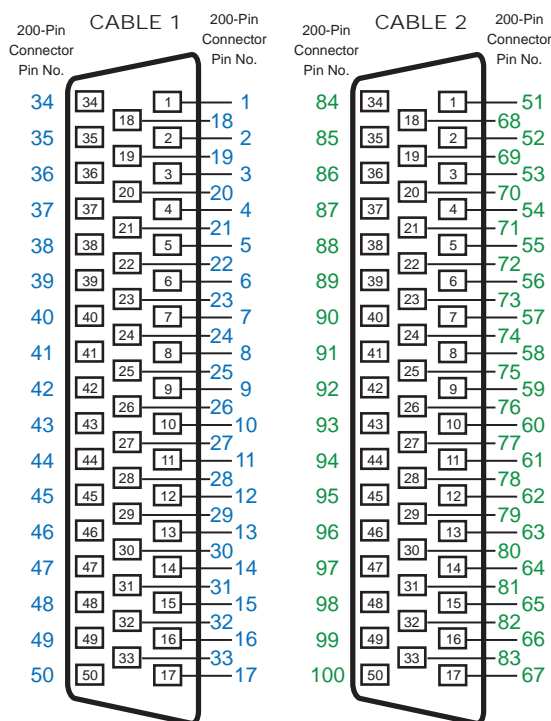
**Note:** Mating IDC products are available on data sht [90-005D](#).

Other cable lengths can be supplied in multiples of 0.5 m.

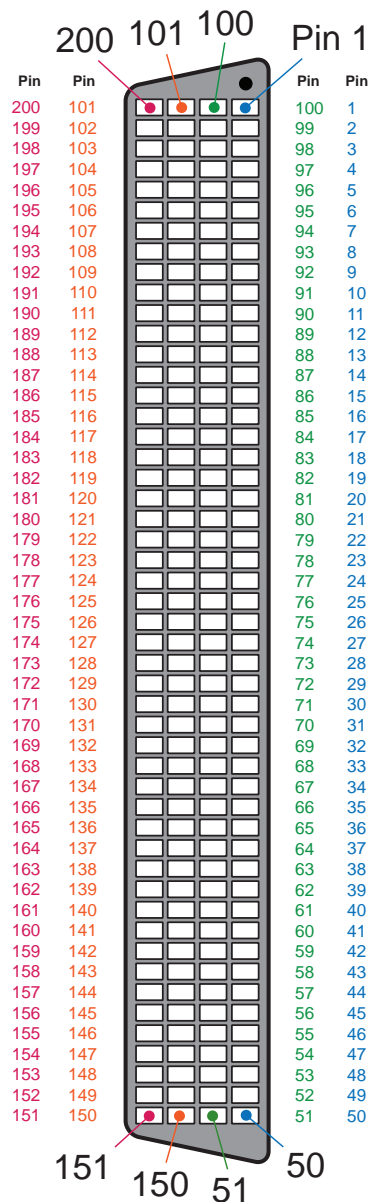
Max length 5 m.

## 200-Pin LFH (Male) to 4 x 50-Pin D-Type (Male) 40-971B-200D-\*m-MM

End B



End A



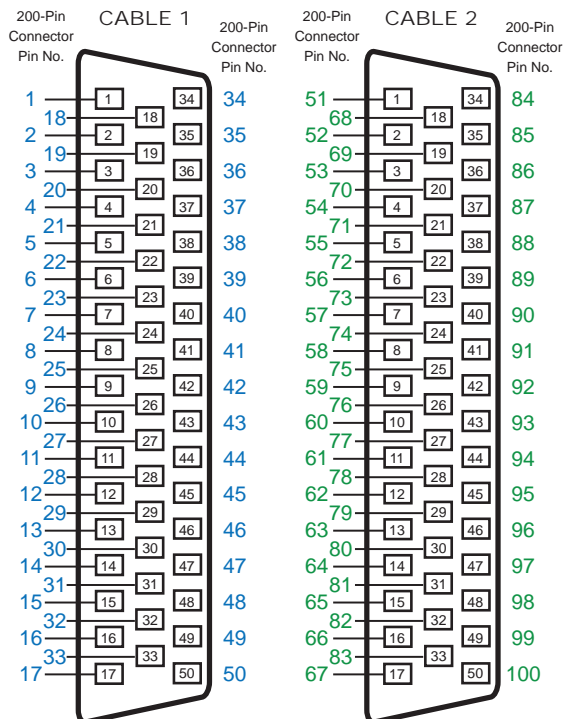
200-Pin LFH Male Connector (Mating Face)

**Note.** The cable screens are connected to the connector backshells

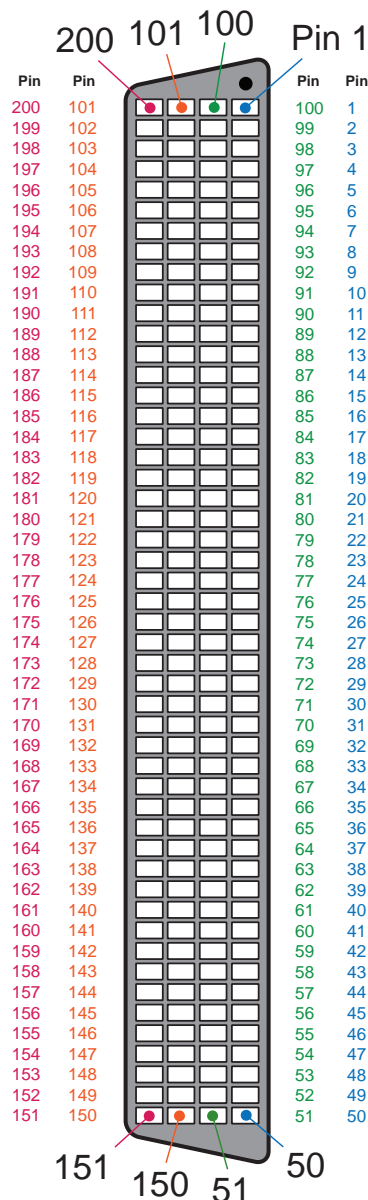
50-Pin D-Type Male Connectors (Mating Face)

## 200-Pin LFH (Male) to 4 x 50-Pin D-Type (Female) 40-971B-200D-\*m-MF

End B



End A



200-Pin LFH Male Connector (Mating Face)

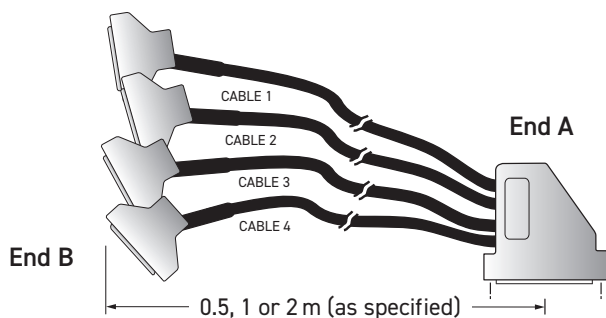
**Note.** The cable screens are connected to the connector backshells

50-Pin D-Type Female Connectors (Mating Face)

- High Specification, Highly Flexible Cable
- Can be used with Pickering 50-Pin D-Type Breakouts. See 90-005D

## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Male, 4-40 UNC screwlocks (male)
Connector Type (End B):	4 off x 50-Pin D-Sub
Gender & Securing Method	Female, 4-40 UNC screwlocks (male)
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connector (End A):	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	90 ° (Away from Pin 1)
Overall Size (Approx)	H86.6 x W17 x D83.5 mm
Connectors (End B):	
Contact Material	Gold/Copper
Contact Resistance	<20 mOhm
Cable Exit	45 °
Overall Size (Approx)	H68 x W18.5 x D55 mm
Cable Type:	4 off identified x 50-pin twisted pair
Conductor: Material	Tinned stranded copper, 7/36 (28AWG)
Strands	7/36 (28AWG, 0.38 mm O/D)
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded Cable screens connected to backshells
Additional Braided Sleeve	No
Cable O/D	8.1 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	80 mm (see diagram)

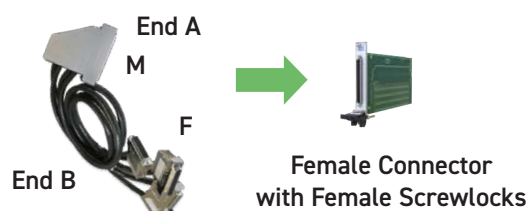


**A Mating Male Breakout  
40-967-050-M  
Converting a 50-Pin D-Type  
Connection to Screw Terminals**

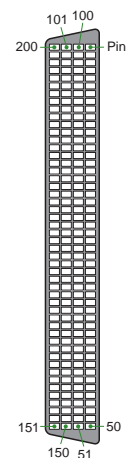
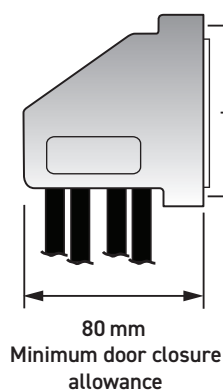


**200-Pin LFH Cable Assy**

## Product Compatibility



**Female  
End B Mating Face**



**End A - Male  
Mating Face**

Wiring Schedule information can be found on the following page.

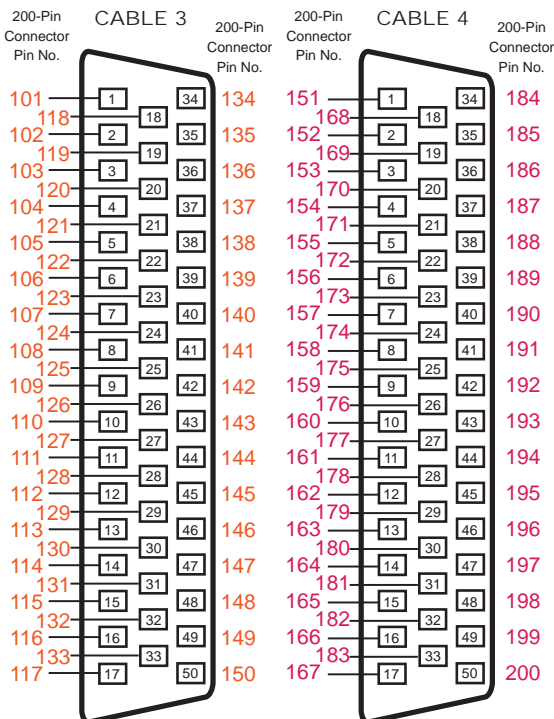
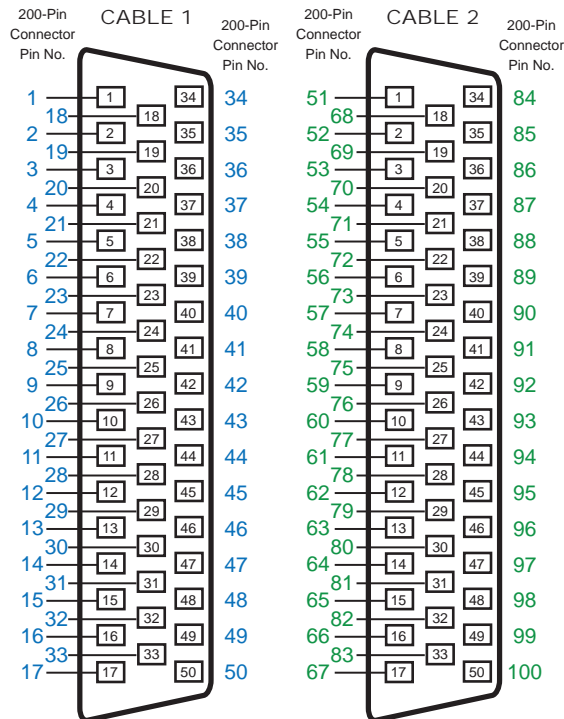
## Product Order Codes

200-Pin LFH Cable Assy, 1A, Male to 50-Pin D-Type, Female,  
 0.5 m Long [A200LMB-04F050D5B050](#)  
 1.0 m Long [A200LMB-04F050D5B100](#)  
 2.0 m Long [A200LMB-04F050D5B200](#)

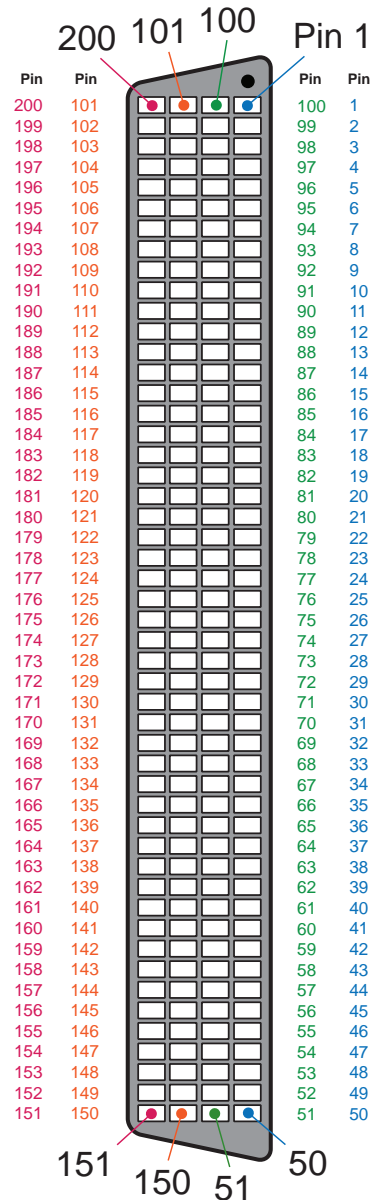
**Note:** Mating IDC products are available on data sht [90-005D](#).  
 Other cable lengths can be supplied in multiples of 0.5 m.  
 Max length 5 m.

## 200-Pin LFH (Male) to 4 x 50-Pin D-Type (Female) A200LMB-04F050D5B\*\*\*

End B



End A



200-Pin LFH Male Connector (Mating Face)

Note. The cable screens are connected to the connector backshells

50-Pin D-Type Female Connectors (Mating Face)



- Connector and PCB Only or Connector, PCB & Backshell
- Male Screwlock
- Cable Clamp in Backshell
- Easy to Use Rising Cage Screw Terminals

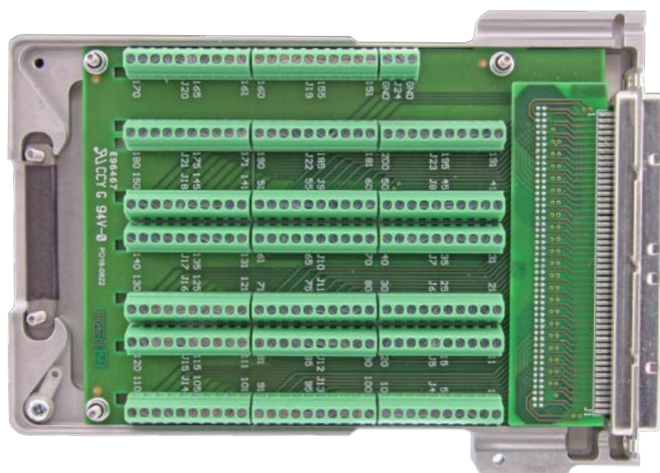
Connector blocks provide a convenient method of termination without the use of custom cabling. However, a higher resistance path, lower capacity ratings and lower voltage ratings are typical.

The screw terminals use a rising cage clamp mechanism to minimize risk of copper strand breakage. PTFE/PFA cables are recommended for use with this connector block to maximise copper cross-sectional area and insulation properties. The breakdown voltage of the connector block is controlled by clearances to the metal shell.

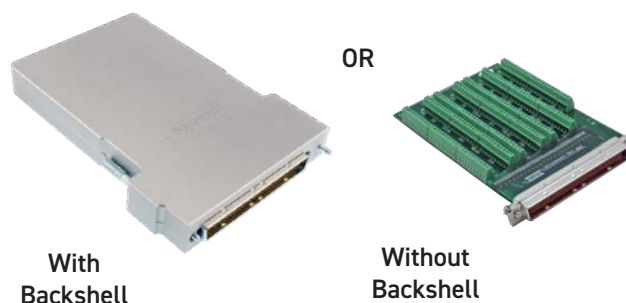
This PXI connector block will not fit to PCI cards, to 65 series modules, or to cables with male screwlocks. Connector blocks supplied without a backshell do not include cable strain relief.

## Technical Specification

Connector Type:	200-Pin LFH
Gender	Male
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, male
Product without Backshell	4-40 UNC screwlocks, male
Wire Connection	Rising cage screw terminals
	Screen (GND) connections are provided
Connector Block Ratings:	
Maximum Current	1A
Maximum Voltage	150 VDC
Cable Exit	Rear - 32 x 11mm
Overall Size (Approx)	H98.5 x W18.1 x D138 mm
200-Pin LFH:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Screw Terminals:	
Maximum Wire Size	20AWG
Recommended Insulation	PTFE/PFA
Additional Cable Clamp	Yes (in backshell)

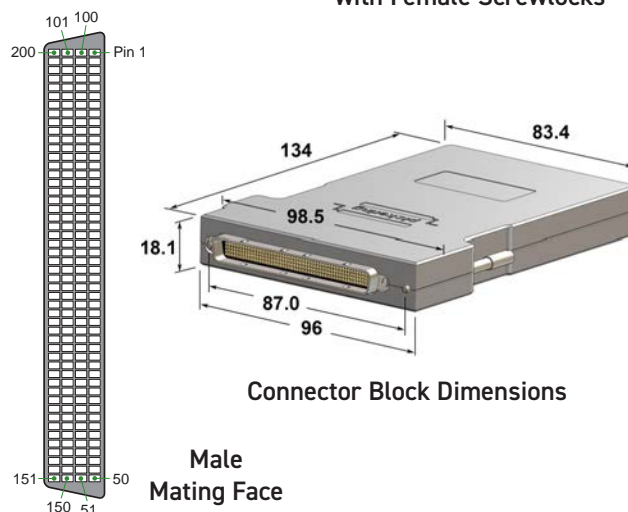
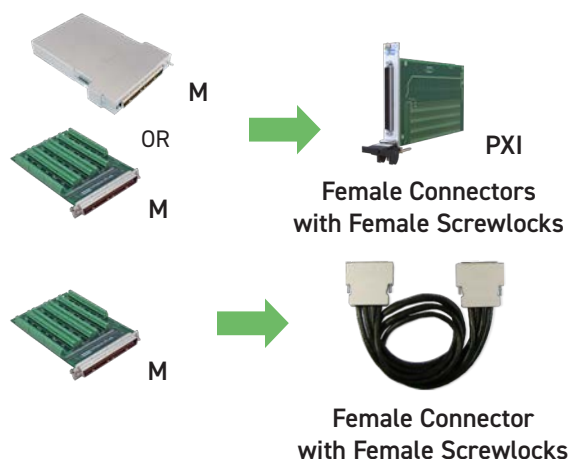


Internal View with PCB Legend



200-Pin LFH PXI Connector Block

## Product Compatibility



Connector Block Dimensions

## Product Order Codes

200-Pin LFH PXI Connector Block, 1A, Screw Terminal,  
 With Backshell, Male [40-965-200-M](#)  
 Without Backshell, Male [92-965-200-M](#)

**Note:** Due to its screwlock offset and size, this connector block can only be used with PXI cards.

- Mates to PCI Module Panel Connector
- Cable Clamp in Backshell
- Easy to Use Rising Cage Screw Terminals

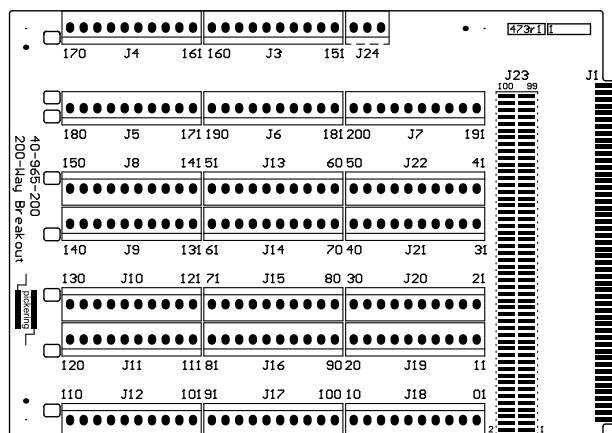
Connector blocks provide a convenient method of termination without the use of custom cabling. However, a higher resistance path, lower capacity ratings and lower voltage ratings are typical.

Suitable for use on the front of PCI modules this connector block provides a simple method of connecting to high density 200-Pin LFH connectors. The screw terminals use a rising cage screw clamp mechanism to minimize risk of copper strand breakage. PTFE/PFA cables are recommended for use with this connector block to maximise copper cross sectional area and insulation properties.

This PCI connector block is not recommended for use with PXI cards or 65 Series modules. It uses male screwlocks and will not mate to Pickering cables.

## Technical Specification

Connector Type:	200-Pin LFH
Gender	Male
Securing Method:	4-40 UNC screwlocks, male
Wire Connection	Rising cage screw terminals.
Cable Screen Connection	Solder ring terminal
Connector Block Ratings:	
Maximum Current	1A
Maximum Voltage	150 VDC
Cable Exit	Rear - 32 x 11 mm
Overall Size (Approx)	H96 x W18 x D138 mm
200-Pin LFH:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Screw Terminals:	
Maximum Wire Size	20AWG
Recommended Insulation	PTFE/PFA
Additional Cable Clamp	Yes (in backshell)

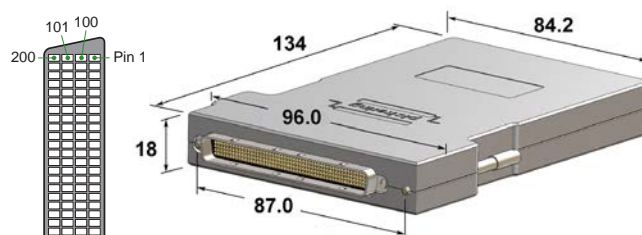
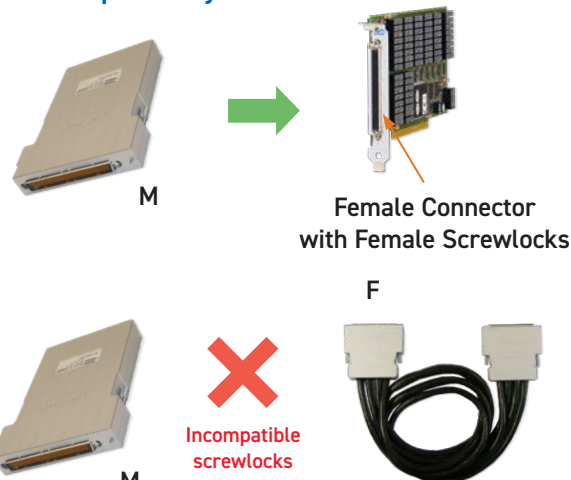


PCB Legend

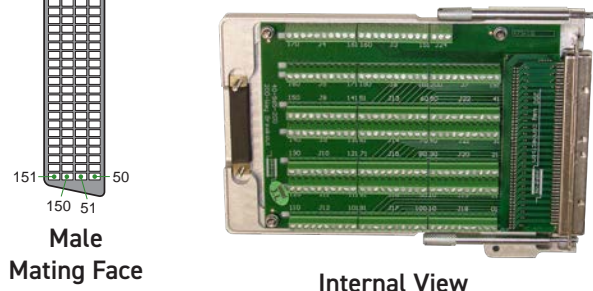


200-Pin LFH PCI Connector Block

## Product Compatibility



Connector Block Dimensions



Male Mating Face

Internal View

## Product Order Codes

200-Pin LFH PCI Connector Block, 1A, Screw Terminal, Male with Backshell and Screwlocks **50-965-200-M**

**Note:** Due to its screwlock offset and size, this connector block can only be used with PCI cards.

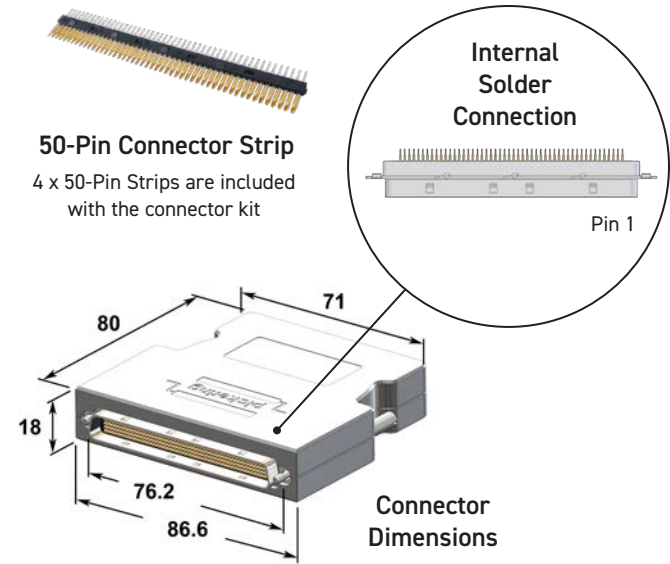
- Connector only or Connector and Backshell
- Cable Clamp in Backshell
- Soldered Cable Termination

This accessory is designed to allow users to directly terminate with soldered connections to the 200-Pin LFH connector. It is difficult to terminate a cable to the 200-Pin LFH because of the high density and fine pitch. Pickering Interfaces recommend the use of purchased cable assemblies for applications where most or all of the contacts are in use.

When the product is used without a backshell users should make their own cable strain relief arrangements and ensure appropriate electrical safety precautions are observed.

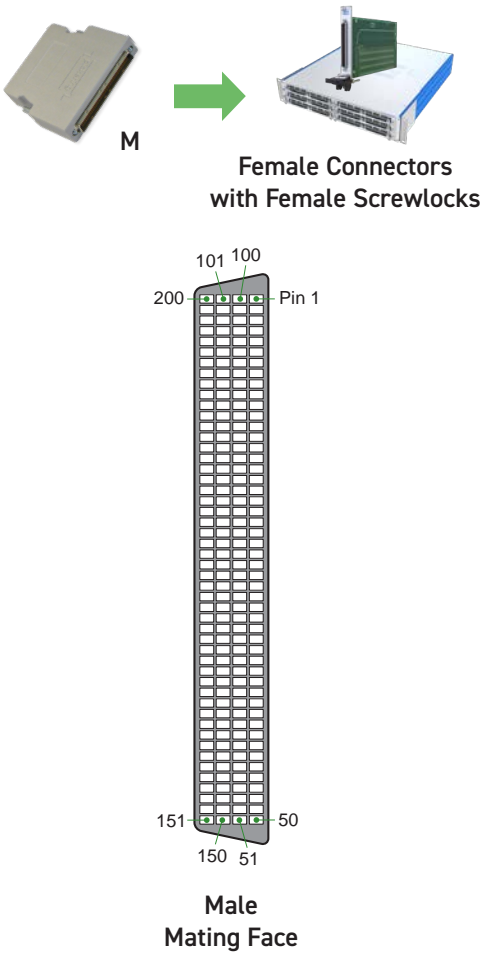
Technical Specification

Connector Type:	200-Pin LFH
Gender	Male
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, male
Product without Backshell	4-40 UNC screwlocks, male
Wire Connection	Solder pin
Cable Screen Connection	Solder ring terminal
Connector Ratings:	
Maximum Current	1A
Maximum Voltage	150 VAC
Cable Exit:	Dual rear exit
Cable Exit Size	Each exit: 4.8 x 24 mm
Overall Size (Approx)	H87 x W18 x D84 mm
200-Pin LFH:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Wire Connection:	
Maximum Wire Size	28AWG
Recommended Insulation	50-Pin twisted pair ribbon cable, 1.27 mm pitch
Additional Cable Clamp	Yes (in backshell)



200-Pin LFH Cable Connector

Product Compatibility



Product Order Codes

200-Pin LFH Connector, 1A, Solder Pin, With Backshell, Male	40-961A-200-M
Without Backshell, Male	92-961-200-M

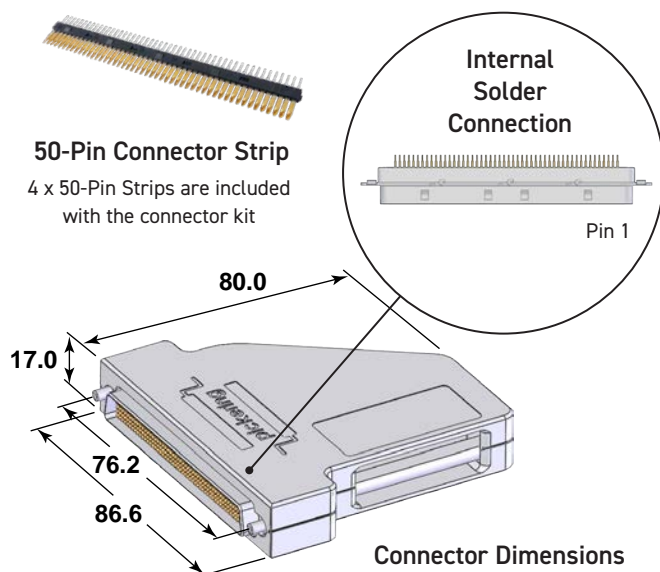
**Note:** This connector is supplied in kit form.

- Connector and Backshell
- Bottom Cable Exit
- Cable Clamp in Backshell
- Soldered Cable Termination

This accessory is designed to allow users to directly terminate with soldered connections to the 200-Pin LFH connector. It is difficult to terminate a cable to the 200-Pin LFH because of the high density and fine pitch. Pickering Interfaces recommend the use of purchased cable assemblies for applications where most or all of the contacts are in use.

## Technical Specification

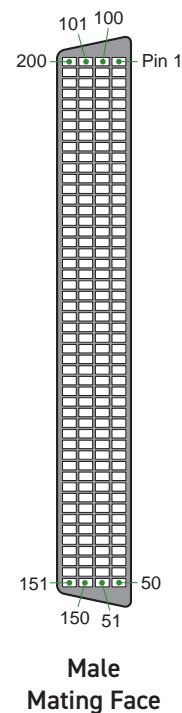
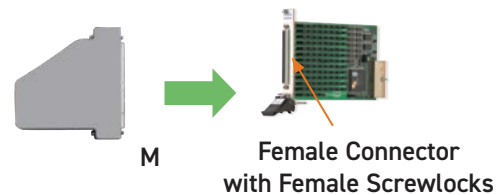
Connector Type:	200-Pin LFH
Gender	Male
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, male
Wire Connection	Solder pin
Cable Screen Connection	Solder ring terminal
Connector Ratings:	
Maximum Current	1A
Maximum Voltage	150 VAC
Cable Exit:	90° (Towards Pin 1)
Cable Exit Size	38 x 13 mm
Overall Size (Approx)	H86.6 x W17 x D83.5 mm
200-Pin LFH:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Wire Connection:	
Maximum Wire Size	28AWG
Recommended Insulation	50-Pin twisted pair ribbon cable, 1.27 mm pitch
Additional Cable Clamp	Yes (in backshell)



Cable Exit

200-Pin LFH Cable Connector

## Product Compatibility



## Product Order Codes

200-Pin LFH Connector, 1A, Solder Pin,  
With Backshell, Male **C200LMB-2SP-5A**

**Note:** This connector is supplied in kit form.

- 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.

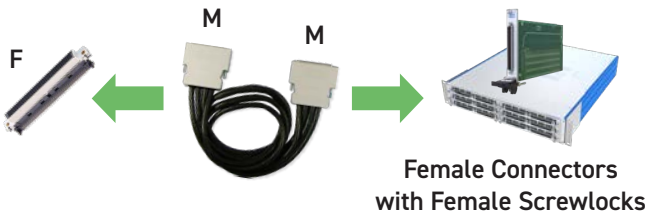
Technical Specification

Connector Type:	200-Pin LFH
Gender	Female
Securing Method	4-40 UNC screwlocks, female
PCB Mounting	Right angle PCB mount, solder
Connector Ratings:	
Maximum Current	1A each pin
Maximum Voltage	150 VDC
200-Pin LFH:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
PCB Legs:	
Effective Leg Length	2.0 mm nom (See diagram)

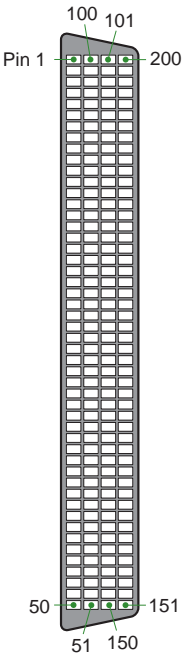
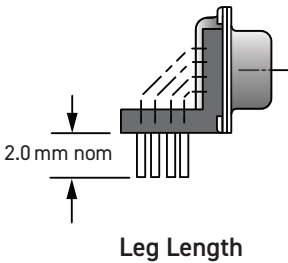


200-Pin LFH PCB Connector

Product Compatibility



Female Connectors with Female Screwlocks



**Note:** PCB Footprint information can be found on the following page.

Product Order Codes

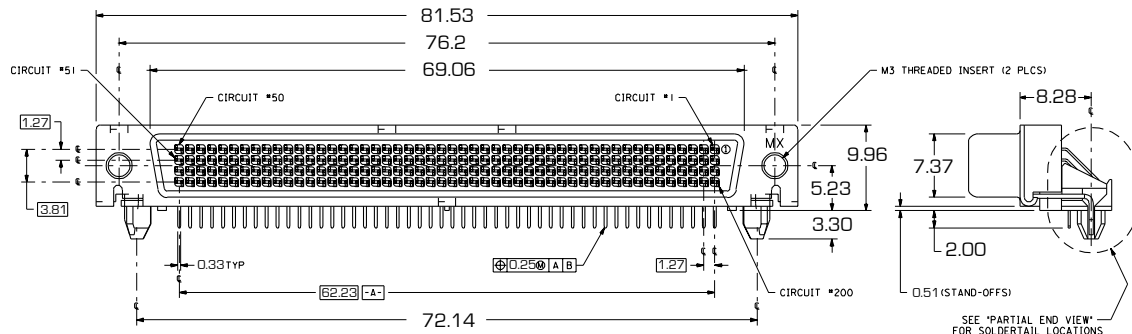
200-Pin LFH Connector, 1A, Right Angle PCB Mount, Female

40-963-200-RF

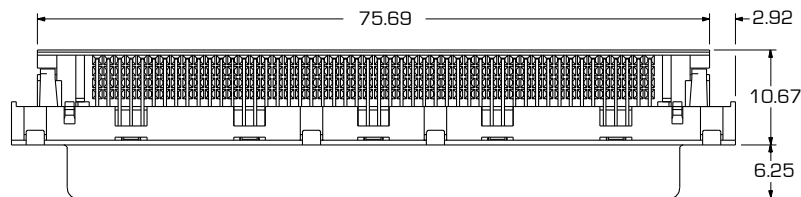
**Note:** The kit includes 4-40 UNC screwlocks that will fit into the M3 threaded holes.



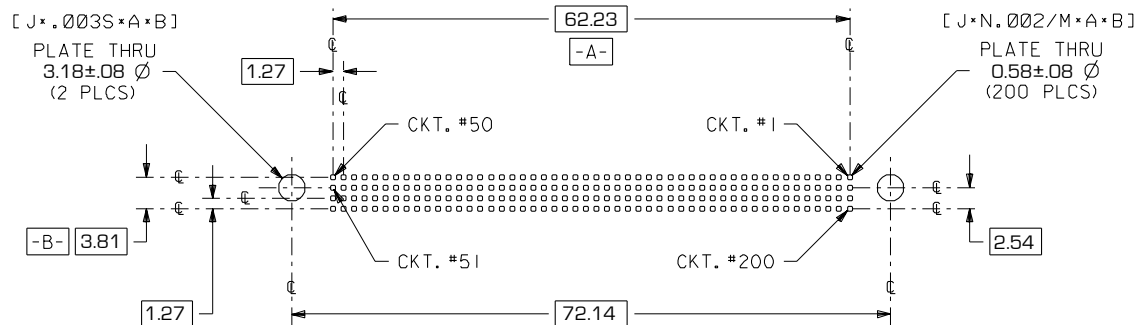
PCB Connector Dimensions, Footprint and Panel Cut-Out  
40-963-200-RF



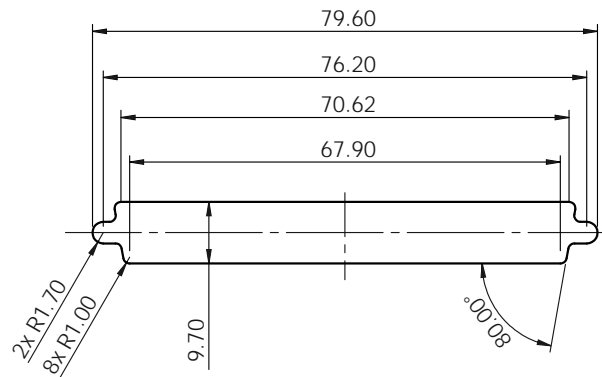
FRONT AND SIDE



TOP



P.C. BOARD MOUNTING DIMENSIONS CONNECTOR SIDE  
RECOMMENDED P.C. BOARD THICKNESS 1.6mm



RECOMMENDED PANEL CUT-OUT DIMENSIONS  
(for connector mounted behind panel)

DIMENSIONS IN mm



- Straight PCB Mount
- Ideal for User Created Termination Solutions
- Supplied in Kit Form with Assembly Instructions

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.

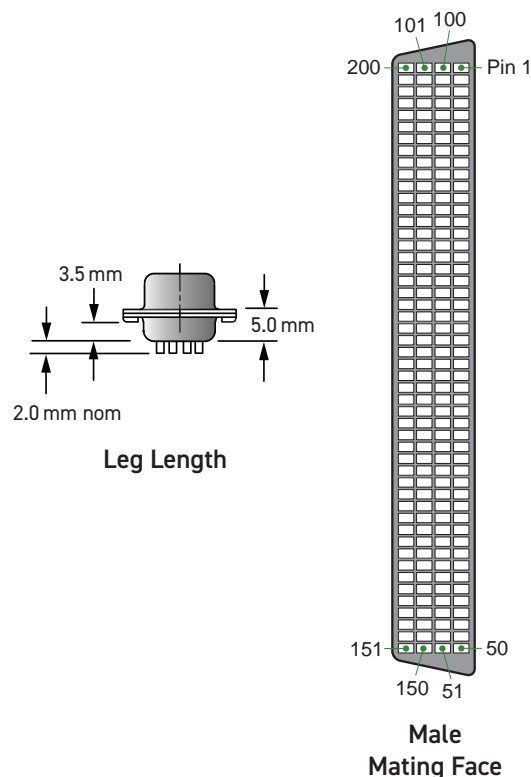
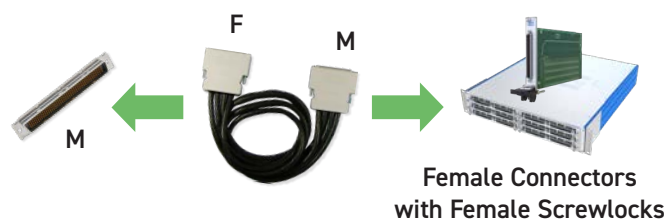
## Technical Specification

Connector Type:	200-Pin LFH
Gender	Male
Securing Method	4-40 UNC screwlocks, female
PCB Mounting	Straight PCB mount, solder
Connector Ratings:	
Maximum Current	1A each pin
Maximum Voltage	150 VAC
200-Pin LFH:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
PCB Legs:	
Leg Length	2.0 mm nom (See diagram)



200-Pin LFH PCB Connector

## Product Compatibility

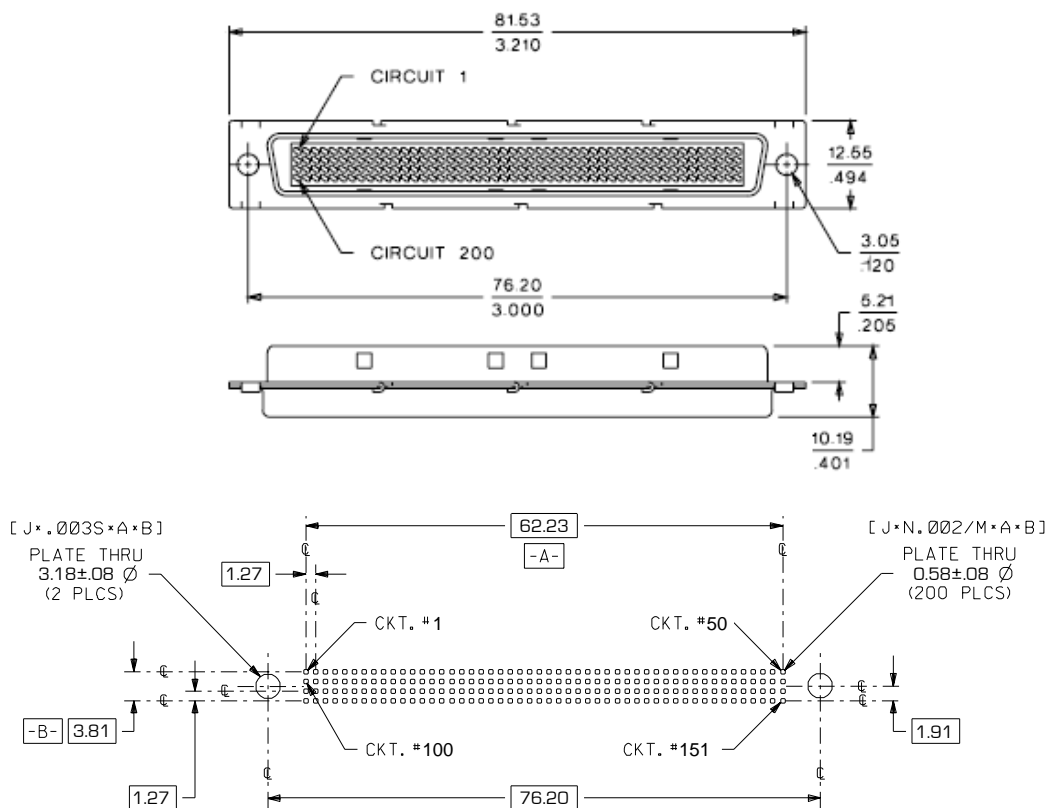


**Note:** PCB Footprint information can be found on the following page.

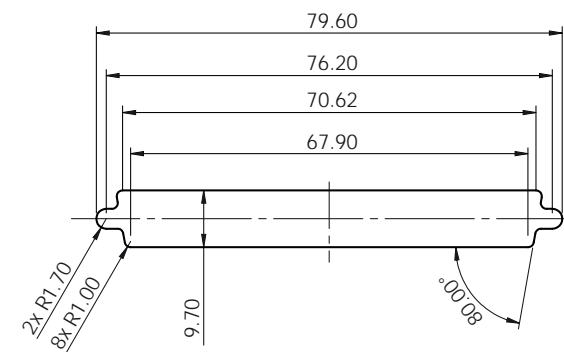
## Product Order Codes

200-Pin LFH Connector, 1A, Straight PCB Mount,  
Male [40-963-200-SM](#)

PCB Connector Dimensions, Footprint and Panel Cut-Out  
40-963-200-SM

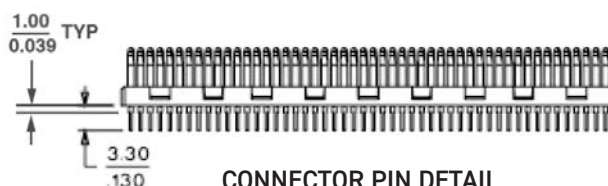


P.C. BOARD MOUNTING DIMENSIONS CONNECTOR SIDE  
RECOMMENDED P.C. BOARD THICKNESS 1.6mm



RECOMMENDED PANEL CUT-OUT DIMENSIONS  
(for connector mounted behind panel)

DIMENSIONS IN mm



CONNECTOR PIN DETAIL

## Additional Connection Accessories

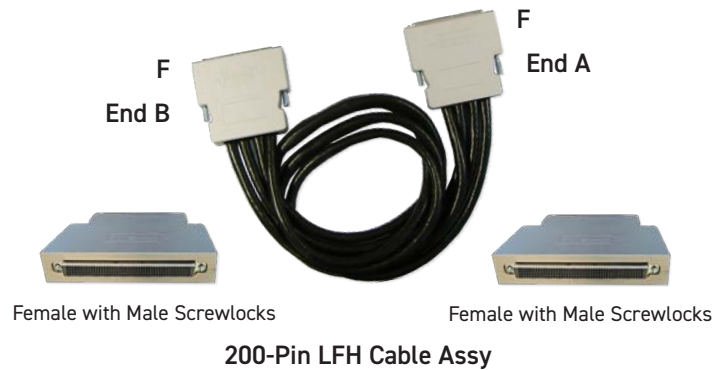
Although these items do not directly mate with Pickering Interfaces products customers may find them useful in the development of their own connection solutions.

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- Connectors include Male Screwlocks

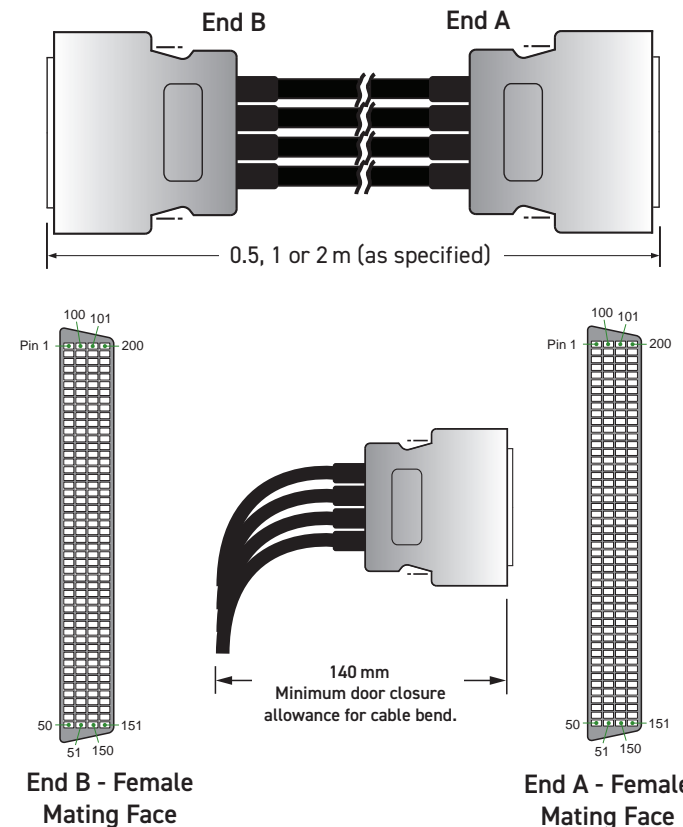
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Female, 4-40 UNC screwlocks (male)
Connector Type (End B):	200-Pin LFH
Gender & Securing Method	Female, 4-40 UNC screwlocks (male)
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connectors:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx) Female	H92 x W18 x D84 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch. Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 $\Omega$ /m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded
	Cable screens connected to backshells
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

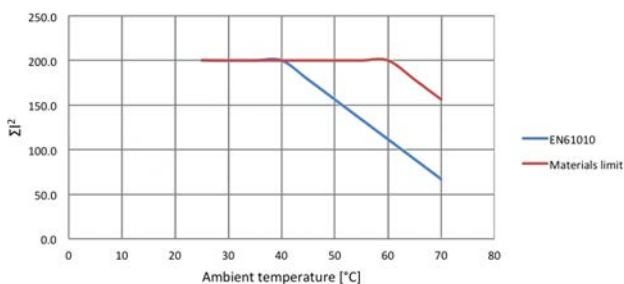
This Cable Assembly is Not Suitable for Connection to a Pickering Switching Product



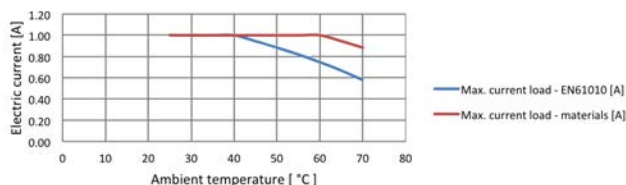
## Product Compatibility



## Characteristic Plots for A200LFR-200LFR-6B100



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.



The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.

## Product Order Codes

200-Pin LFH Cable Assy, 1A, Female to Female,  
 0.5 m Long [A200LFR-200LFR-6B050](#)  
 1.0 m Long [A200LFR-200LFR-6B100](#)  
 2.0 m Long [A200LFR-200LFR-6B200](#)

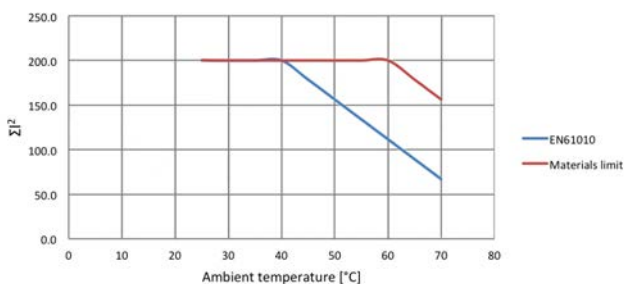
**Note:** 1. The Female gender **Will Not Mate** with a Pickering Module.  
 2. Other cable lengths can be supplied in multiples of 0.5 m. Max length 5 m.

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- Connectors include Female Screwlocks

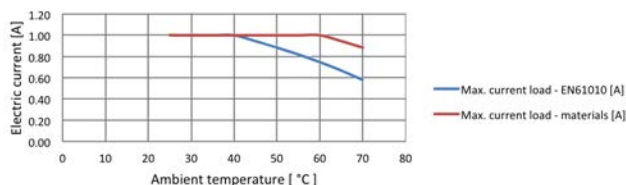
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Female, 4-40 UNC screwlocks (female)
Connector Type (End B):	200-Pin LFH
Gender & Securing Method	Female, 4-40 UNC screwlocks (female)
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connectors:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx) Female	H92 x W18 x D84.7 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch. Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 $\Omega$ /m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded
	Cable screens connected to backshells
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

Characteristic Plots for 40-970B-200-1m



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.



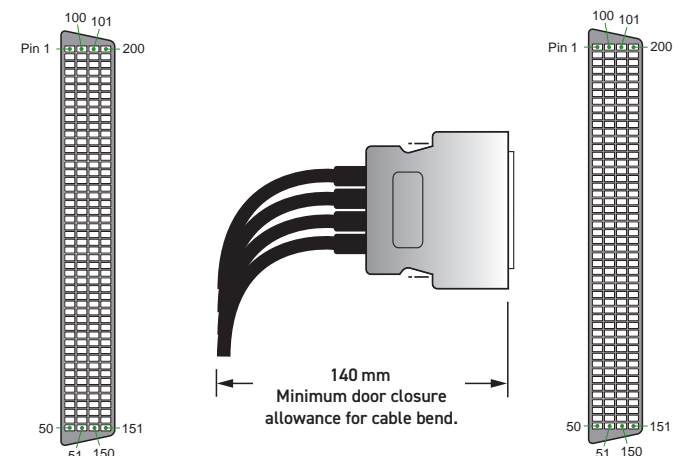
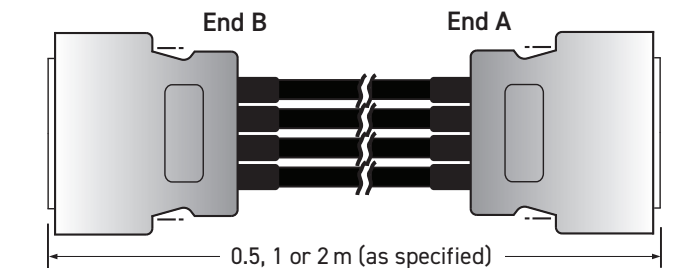
The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.

This Cable Assembly is Not Suitable for Connection to a Pickering Switching Product



200-Pin LFH Cable Assy

## Product Compatibility



End B - Female Mating Face

End A - Female Mating Face

**Note:** 200-Pin female cable connectors with female screwlocks only connect to a Pickering 200-Pin male cable connector with male screwlocks and to a 200-Pin male connector block.

## Product Order Codes

200-Pin LFH Cable Assy, 1A, Female to Female,  
 0.5 m Long [40-970B-200-0.5m-FF](#)  
 1.0 m Long [40-970B-200-1m-FF](#)  
 2.0 m Long [40-970B-200-2m-FF](#)

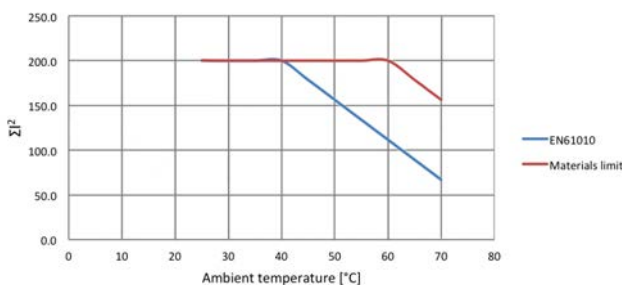
**Note:** 1. The Female gender **Will Not Mate** with a Pickering Module.  
 2. Other cable lengths can be supplied in multiples of 0.5 m. Max length 5 m.

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- Color Coded to Ensure Easy Connection

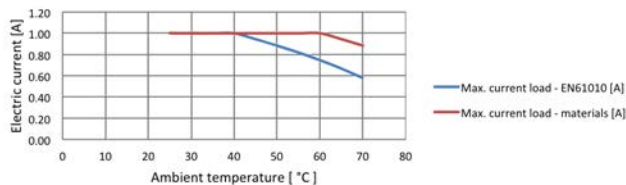
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Female, 4-40 UNC screwlocks (female)
Unterminated End (End B):	4 x 50-Pin Unterminated
Free Wire Length	Tinned contacts only
Individual Wire Labelling	Red marking on ribbon edge denotes pin 1 of individual 50-pin cable. Flying white/black screen pigtails are also included
50-Pin Ribbon Contacts	6mm min tinned copper
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connector:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx)	H92 x W18 x D84.7 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27mm pitch. Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 $\Omega$ /m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded (Screen/Backshell connection)
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

Characteristic Plots for 40-972B-200-1m



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

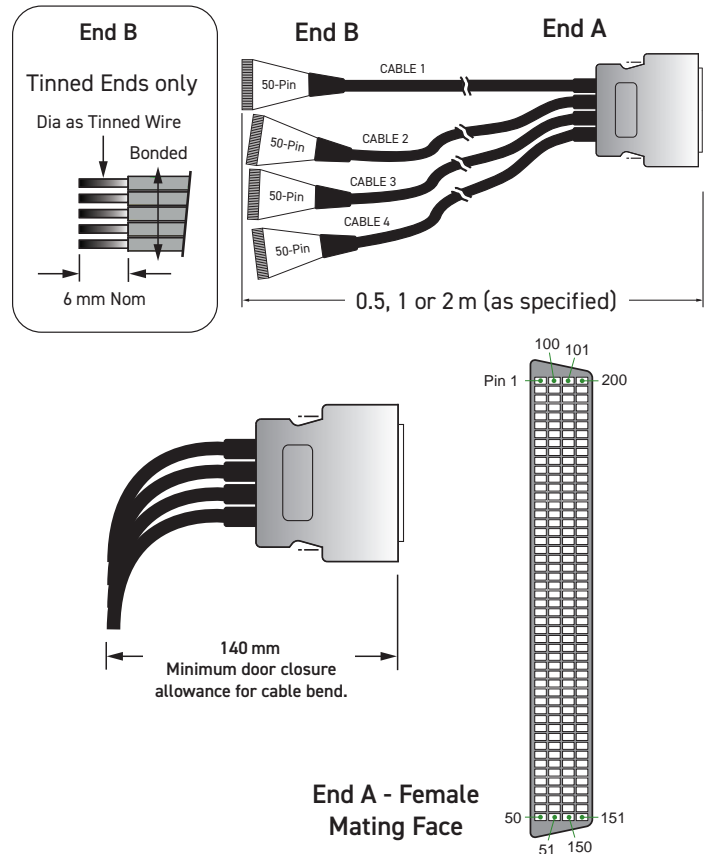


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.

This Cable Assembly is Not Suitable for Connection to a Pickering Switching Product



## Product Compatibility



**Note:** Wiring Schedule information can be found on the following page.

## Product Order Codes

200-Pin LFH Cable Assy, 1A, Female to Unterminated, Tinned Ends, 0.5 m Long	40-972B-200-0.5m-FU
1.0 m Long	40-972B-200-1m-FU
2.0 m Long	40-972B-200-2m-FU

**Note:** 1. The Female gender **Will Not Mate** with a Pickering Module.  
2. Other cable lengths can be supplied in multiples of 0.5 m. Max length 5 m.



## 200-Pin LFH Cable Assy Female to Unterminated 40-972B-200-\*m-FU

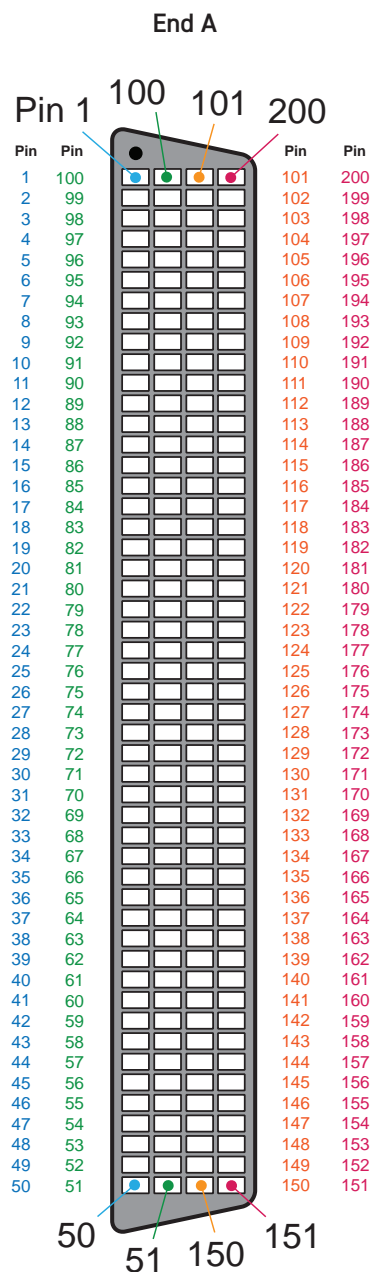
End B

Pin	Wire Color	Pin	Wire Color
2	Grey	1	Grey - Red Stripe
4	Grey	3	Grey
6	Grey	5	Grey
8	Grey	7	Grey
10	Grey	9	Grey
12	Grey	11	Grey
14	Grey	13	Grey
16	Grey	15	Grey
18	Grey	17	Grey
20	Grey	19	Grey
22	Grey	21	Grey
24	Grey	23	Grey
26	Grey	25	Grey
28	Grey	27	Grey
30	Grey	29	Grey
32	Grey	31	Grey
34	Grey	33	Grey
36	Grey	35	Grey
38	Grey	37	Grey
40	Grey	39	Grey
42	Grey	41	Grey
44	Grey	43	Grey
46	Grey	45	Grey
48	Grey	47	Grey
50	Grey	49	Grey

Pin	Wire Color	Pin	Wire Color
52	Grey	51	Grey - Red Stripe
54	Grey	53	Grey
56	Grey	55	Grey
58	Grey	57	Grey
60	Grey	59	Grey
62	Grey	61	Grey
64	Grey	63	Grey
66	Grey	65	Grey
68	Grey	67	Grey
70	Grey	69	Grey
72	Grey	71	Grey
74	Grey	73	Grey
76	Grey	75	Grey
78	Grey	77	Grey
80	Grey	79	Grey
82	Grey	81	Grey
84	Grey	83	Grey
86	Grey	85	Grey
88	Grey	87	Grey
90	Grey	89	Grey
92	Grey	91	Grey
94	Grey	93	Grey
96	Grey	95	Grey
98	Grey	97	Grey
100	Grey	99	Grey

Pin	Wire Color	Pin	Wire Color
102	Grey	101	Grey - Red Stripe
104	Grey	103	Grey
106	Grey	105	Grey
108	Grey	107	Grey
110	Grey	109	Grey
112	Grey	111	Grey
114	Grey	113	Grey
116	Grey	115	Grey
118	Grey	117	Grey
120	Grey	119	Grey
122	Grey	121	Grey
124	Grey	123	Grey
126	Grey	125	Grey
128	Grey	127	Grey
130	Grey	129	Grey
132	Grey	131	Grey
134	Grey	133	Grey
136	Grey	135	Grey
138	Grey	137	Grey
140	Grey	139	Grey
142	Grey	141	Grey
144	Grey	143	Grey
146	Grey	145	Grey
148	Grey	147	Grey
150	Grey	149	Grey

Pin	Wire Color	Pin	Wire Color
152	Grey	151	Grey - Red Stripe
154	Grey	153	Grey
156	Grey	155	Grey
158	Grey	157	Grey
160	Grey	159	Grey
162	Grey	161	Grey
164	Grey	163	Grey
166	Grey	165	Grey
168	Grey	167	Grey
170	Grey	169	Grey
172	Grey	171	Grey
174	Grey	173	Grey
176	Grey	175	Grey
178	Grey	177	Grey
180	Grey	179	Grey
182	Grey	181	Grey
184	Grey	183	Grey
186	Grey	185	Grey
188	Grey	187	Grey
190	Grey	189	Grey
192	Grey	191	Grey
194	Grey	193	Grey
196	Grey	195	Grey
198	Grey	197	Grey
200	Grey	199	Grey



200-Pin LFH Female Connector (Mating Face)

- Note** 1. The cable screens are connected to the connector backshell at End A  
 2. A flying white/black insulated screen pigtail is included at End B for each cable

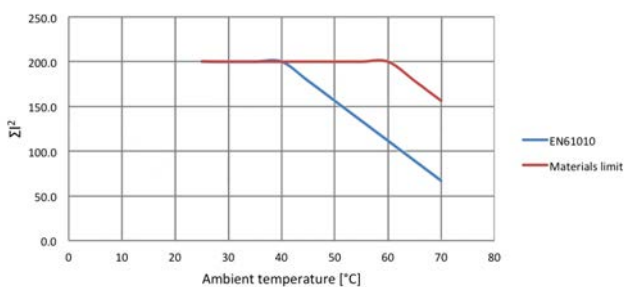
# Cable Assy - Female to 4 x 50-Pin Ribbon (Female) 90-002D

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief

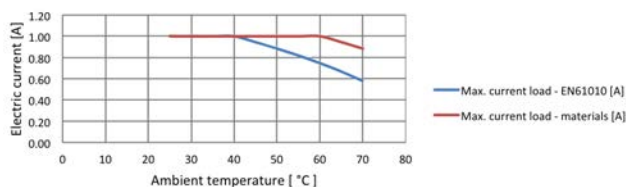
## Technical Specification

Connector Type (End A):	200-Pin LFH
Gender & Securing Method	Female, 4-40 UNC screwlocks (female)
Connector Type (End B):	4 off x 50-Pin ribbon, 0.1" (2.54 mm) pitch
Gender & Securing Method	Female, Push fit
Individual Wire Labelling	Red marking on ribbon edge denotes pin 1 of individual 50-pin cable. Flying white/black screen pigtails are also included
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connector (End A):	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Cable Exit	Rear
Overall Size (Approx)	H92 x W18 x D84.7 mm
Connector (End B):	
Contact Material	Phosphor bronze/Au flash
Contact Resistance	<20 mOhm
Cable Exit	Side
Overall Size (Approx)	H17 x W68 x D6 mm
Cable Type:	4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch. Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands	Tinned Copper, 7/36 (28AWG)
Resistance	0.2 $\Omega$ /m
Insulation	PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded (Screen/Backshell connection)
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

Characteristic Plots for 40-971B-200-1m



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

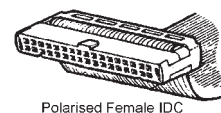
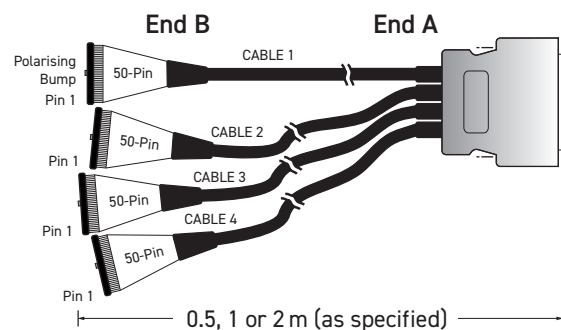


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.

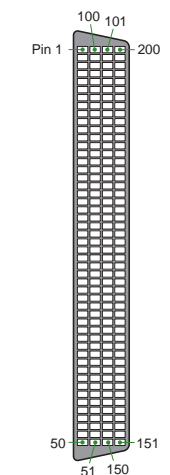
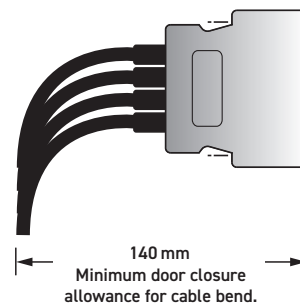
This Cable Assembly is Not Suitable for Connection to a Pickering Switching Product



## Product Compatibility



End B Mating Face



End A - Female Mating Face

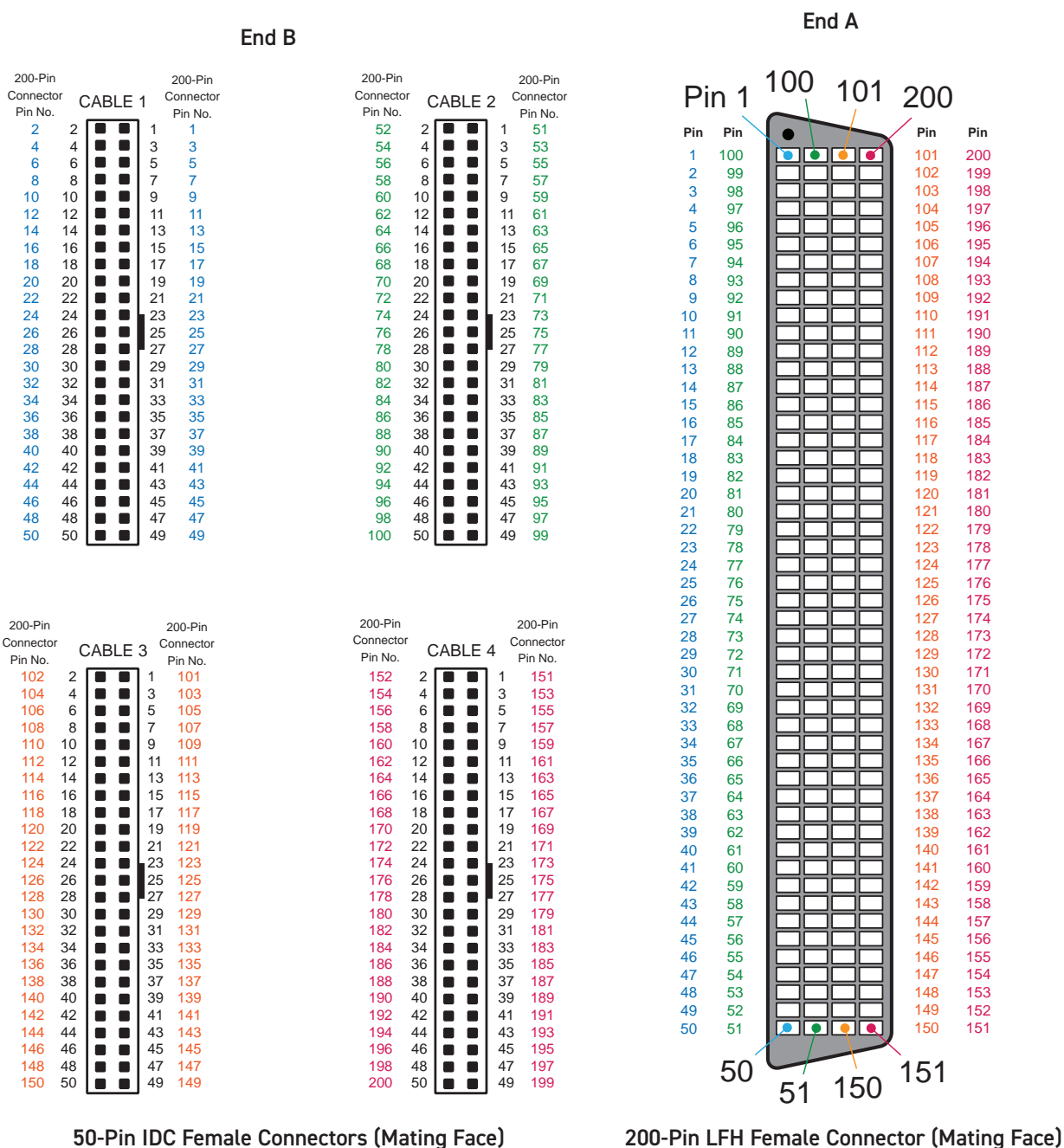
**Note:** Wiring Schedule information can be found on the following page.

## Product Order Codes

200-Pin LFH Cable Assy, 1A, Female to 50-Pin Ribbon, Female,	
0.5 m Long	40-971B-200-0.5m-FF
1.0 m Long	40-971B-200-1m-FF
2.0 m Long	40-971B-200-2m-FF

- Note:**
1. The Female gender **Will Not Mate** with a Pickering Module.
  2. Mating IDC products are available on data sht [90-004D](#).
  3. Other cable lengths can be supplied in multiples of 0.5 m. Max length 5 m.

## 200-Pin LFH (Female) to 4 x 50-Pin IDC (Female) 40-971B-200-\*m-FF



- Note** 1. The cable screens are connected to the connector backshell at End A  
 2. A flying white/black insulated screen pigtail is included at End B for each cable

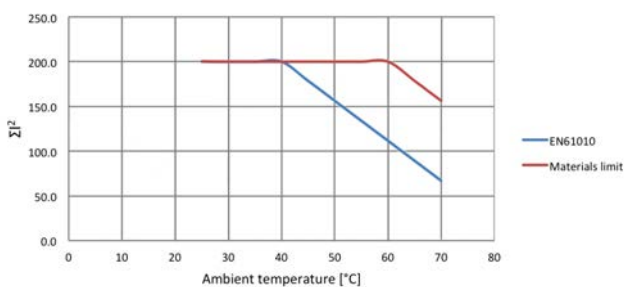
# Cable Assy - Female to 4 x 50-Pin Ribbon (Male) 90-002D

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief

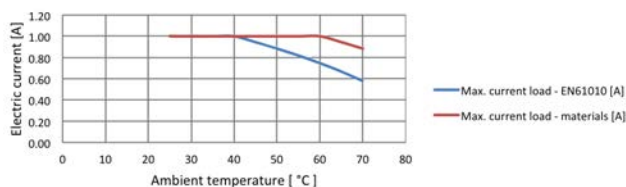
## Technical Specification

Connector Type (End A): Gender & Securing Method	200-Pin LFH Female, 4-40 UNC screwlocks (female)
Connector Type (End B): Gender & Securing Method Individual Wire Labelling	4 off x 50-Pin ribbon, 0.1" (2.54 mm) pitch Male, Latches Red marking on ribbon edge denotes pin 1 of individual 50-pin cable. Flying white/black screen pigtails are also included
Maximum Current	1A
Maximum Voltage	150 VDC
Insulation Resistance	1000 MOhm
Connector (End A): Contact Material Contact Resistance Cable Exit Overall Size (Approx)	Gold over nickel <20 mOhm Rear H92 x W18 x D84.7 mm
Connector (End B): Contact Material Contact Resistance Cable Exit Overall Size (Approx) Cable Type:	Cu alloy/selective Au flash <20 mOhm Side H30.4 x W82.3 x D8 mm 4 off identified x 50-wire cable, finishing as ribbon on 1.27 mm pitch. Red marking on ribbon edge denotes pin 1
Conductor: Material & Strands Resistance Insulation	Tinned Copper, 7/36 (28AWG) 0.2 $\Omega$ /m PVC
Outer Sleeve	PVC
Screened Construction	Dual shielded (Screen/Backshell connection)
Additional Braided Sleeve	No
Cable O/D	10 mm (Individual cables)
Minimum Bend Radius	25 mm
Door Closure Allowance	140 mm (see diagram)

Characteristic Plots for 40-971B-200-1m



The graph shows the permitted  $\Sigma I^2$  versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.

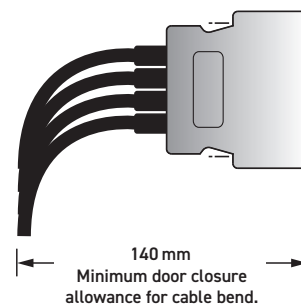
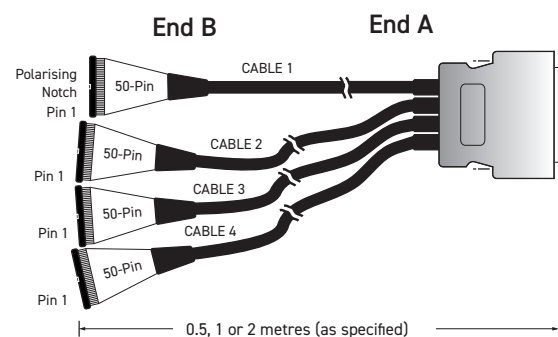


The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the  $\Sigma I^2$  is complied with.

This Cable Assembly is Not Suitable  
for Connection  
to a Pickering Switching Product



## Product Compatibility



End A - Female  
Mating Face

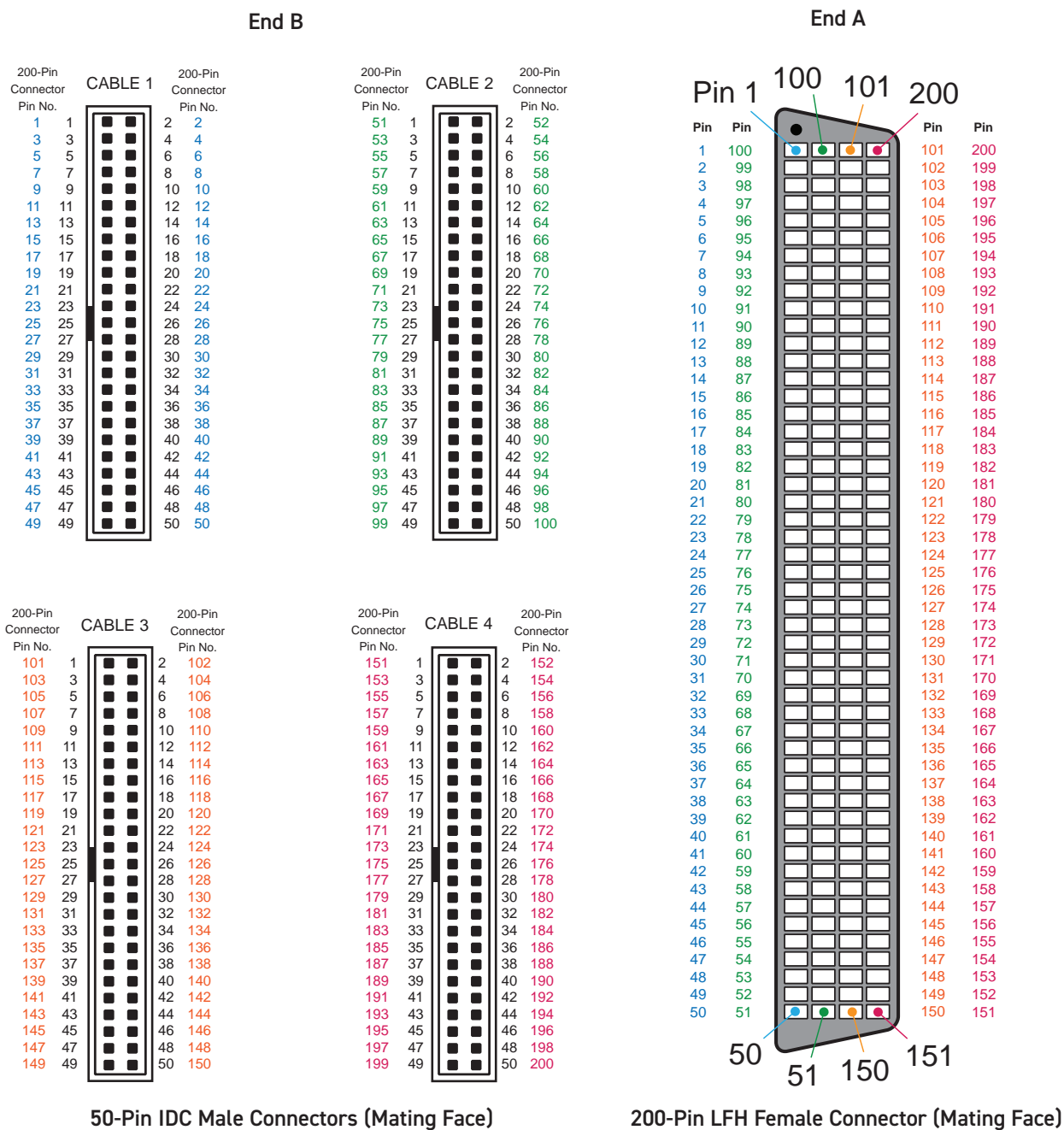
**Note:** Wiring Schedule information can be found on the following page.

## Product Order Codes

200-Pin LFH Cable Assy, 1A, Female to 50-Pin Ribbon, Male,  
0.5 m Long 40-971B-200-0.5m-FM  
1.0 m Long 40-971B-200-1m-FM  
2.0 m Long 40-971B-200-2m-FM

**Note:** 1. The Female gender **Will Not Mate** with a Pickering Module.  
2. Mating IDC products are available on data sht 90-004D.  
3. Other cable lengths can be supplied in multiples of 0.5 m.  
Max length 5 m.

## 200-Pin LFH (Female) to 4 x 50-Pin IDC (Male) 40-971B-200-\*m-FM



- Note 1.** The cable screens are connected to the connector backshell at End A  
**Note 2.** A flying white/black insulated screen pigtail is included at End B for each cable



- Connector & PCB Only or Connector, PCB & Backshell
- Female Screwlocks
- Easy to Use Rising Cage Screw Terminals

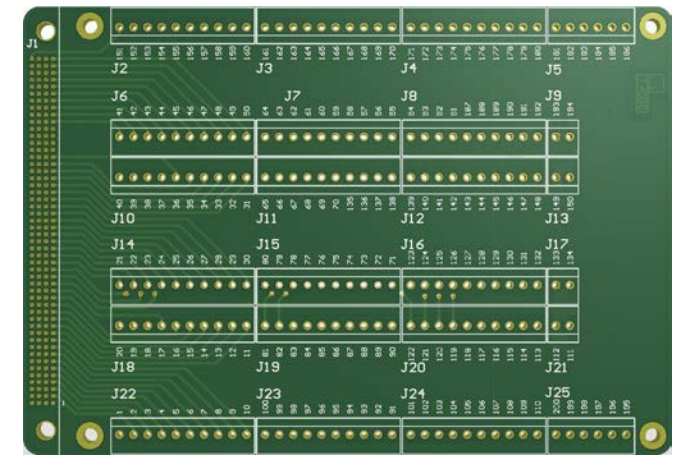
Connector blocks provide a convenient method of termination without the use of custom cabling. However, a higher resistance path, lower capacity ratings and lower voltage ratings are typical.

The screw terminals use a rising cage clamp mechanism to minimize risk of copper strand breakage. PTFE/PFA cables are recommended for use with this connector block to maximise copper cross-sectional area and insulation properties. The breakdown voltage of the connector block is controlled by clearances to the metal shell.

The connector block without a backshell can be mated to Pickering 200-Pin LFH cables. Connector blocks supplied without a backshell do not include cable strain relief.

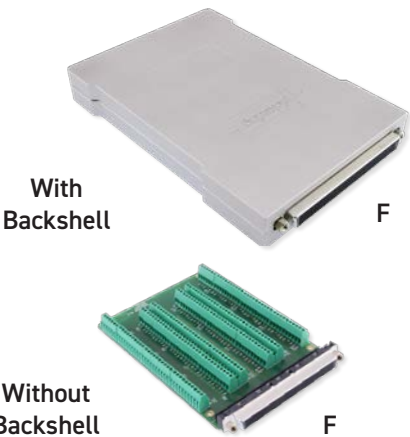
Technical Specification

Connector Type:	200-Pin LFH
Gender	Female
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, female
Product without Backshell	4-40 UNC screwlocks, female
Wire Connection	Rising cage screw terminals
Cable Screen Connection	Solder ring terminal
Connector Block Ratings:	
Maximum Current	1A
Maximum Voltage	150 VDC
Cable Exit	Rear - 32 x 11mm
Overall Size (Approx)	H98.5 x W18.1 x D138 mm
200-Pin LFH:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Screw Terminals:	
Maximum Wire Size	20AWG
Recommended Insulation	PTFE/PFA
Additional Cable Clamp	Yes (in backshell)

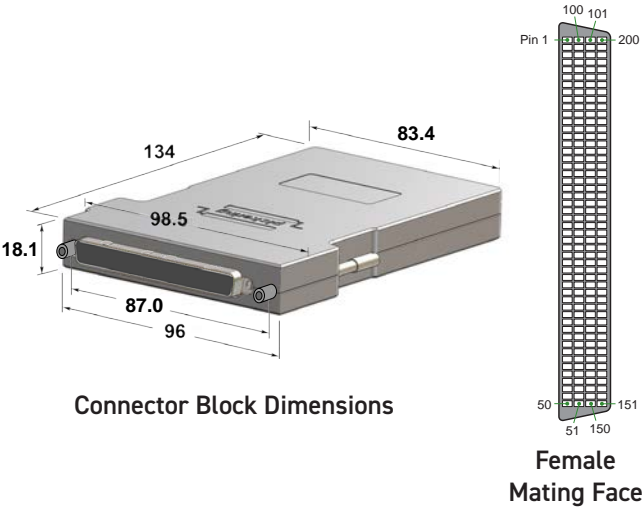
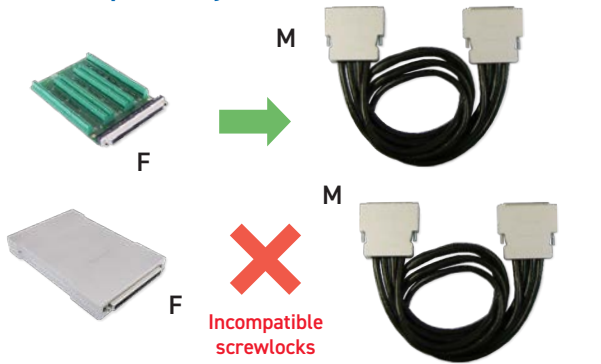


PCB Legend

This Connector Block is Not Suitable for Connection to a Pickering Switching Product



Product Compatibility



Connector Block Dimensions

Female Mating Face

Product Order Codes

- 200-Pin LFH Connector Block, 1A, Screw Terminal,  
With Backshell, Female  
Without Backshell, Female
- B200LFR-2F-5B  
B200LFX-2F-5B

**Note:** The Female gender **Will Not Mate** with a Pickering Module.



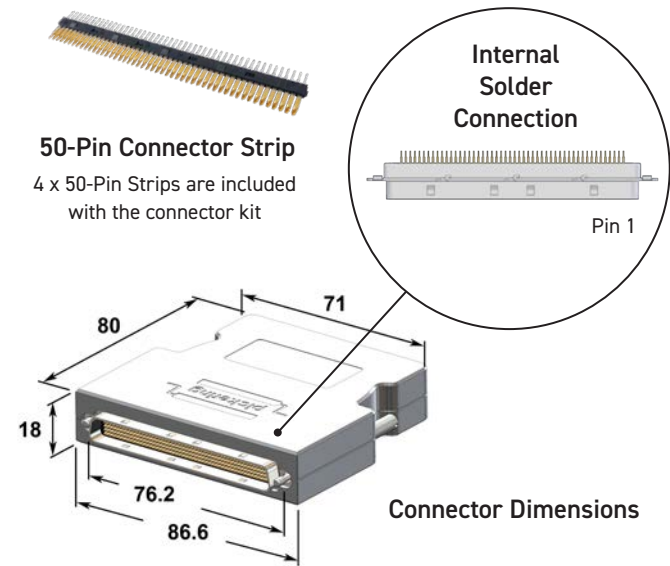
- Connector and Backshell
- Cable Clamp in Backshell
- Soldered Cable Termination
- M3 Screwlocks (Male)

This accessory is designed to allow users to directly terminate with soldered connections to the 200-Pin LFH connector. It is difficult to terminate a cable to the 200-Pin LFH because of the high density and fine pitch. Pickering Interfaces recommend the use of purchased cable assemblies for applications where most or all of the contacts are in use.

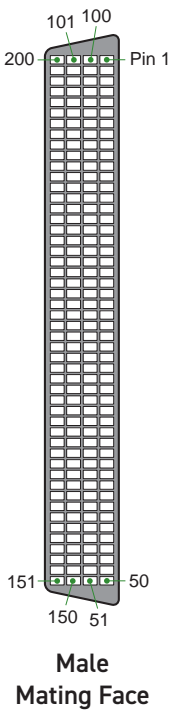
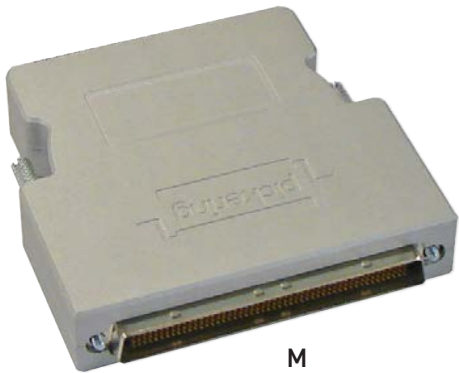
If this product is used without a backshell users should make their own cable strain relief arrangements and ensure appropriate electrical safety precautions are observed.

Technical Specification

Connector Type:	200-Pin LFH
Gender	Male
Securing Method:l	M3 screwlocks, male
Wire Connection	Solder pin
Cable Screen Connection	Solder ring terminal
Connector Ratings:	
Maximum Current	1A
Maximum Voltage	150 VAC
Cable Exit:	Dual rear exit
Cable Exit Size	Each exit: 4.8 x 24 mm
Overall Size (Approx)	H87 x W18 x D84 mm
200-Pin LFH:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Wire Connection:	
Maximum Wire Size	28AWG
Recommended Insulation	50-Pin twisted pair ribbon cable, 1.27 mm pitch
Additional Cable Clamp	Yes (in backshell)



This Connector is Not Suitable for Connection to a Pickering Switching Product



Product Order Codes

200-Pin LFH Connector, 1A, Solder Pin, with Backshell, Male with M3 Screwlocks [40-961A-200-M3-M](#)

**Note:** 1. The Female gender **Will Not Mate** with a Pickering Module.  
2. This connector is supplied in kit form.

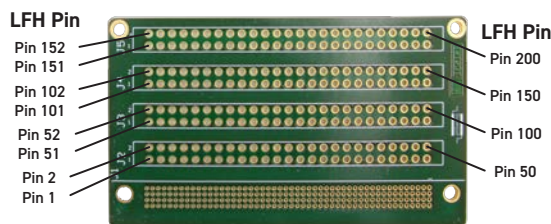
- Connector only or Connector and Backshell
- Cable Clamp in Backshell
- Soldered Cable Termination
- 4-40 UNC Screwlocks (Male)

This accessory is designed to allow users to terminate a cable with soldered connections to a PCB. Pickering Interfaces recommend the use of purchased cable assemblies for applications where most or all of the contacts are in use.

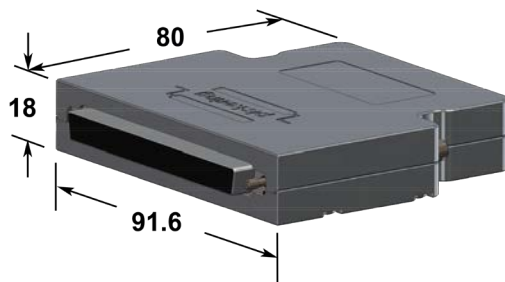
If this product is used without a backshell users should make their own cable strain relief arrangements and ensure appropriate electrical safety precautions are observed.

## Technical Specification

Connector Type:	200-Pin LFH
Gender	Female
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, male
Product without Backshell	4-40 UNC screwlocks, male
Wire Connection	Solder to PCB
Cable Screen Connection	Solder ring terminal
Connector Ratings:	
Maximum Current	1A
Maximum Voltage	150 VAC
Cable Exit:	Dual rear exit
Cable Exit Size	635 mm <sup>2</sup>
Overall Size (Approx)	H92 x W18 x D84.7 mm
200-Pin LFH:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Wire Connection:	
Maximum Wire Size	28AWG
Recommended Insulation	PVC
Additional Cable Clamp	Yes (in backshell)

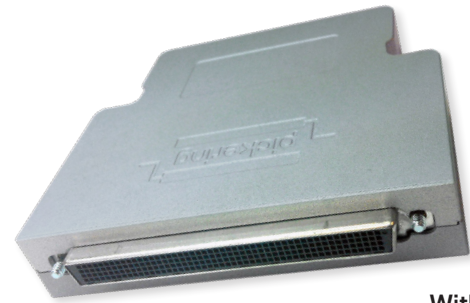


Soldered Connections



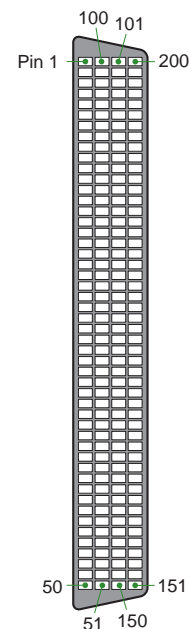
Connector Dimensions

**This Connector is Not Suitable for Connection to a Pickering Switching Product**



F

With Backshell



Female Mating Face

## Product Order Codes

200-Pin LFH Connector, 1A, with Backshell,

Female with 4-40 UNC Male Screwlocks [C200LFR-2SP-5A](#)

Female without Backshell [C200LFX-2SP-5A](#)

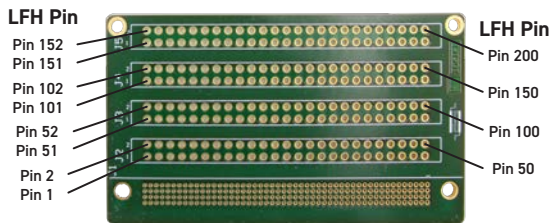
**Note:** 1. The Female gender **Will Not Mate** with a Pickering Module.  
2. This connector is supplied in kit form.

- Connector only or Connector and Backshell
- Cable Clamp in Backshell
- Soldered Cable Termination
- Female 4-40 UNC or M3 Screwlocks

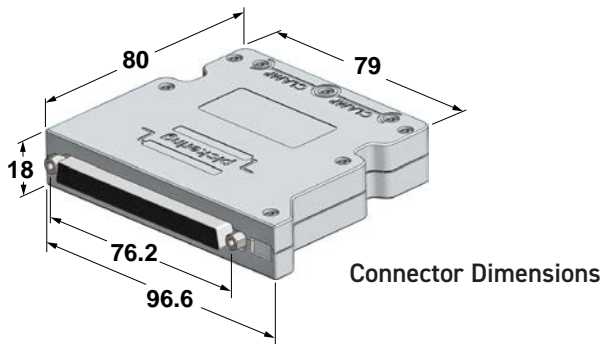
This accessory is designed to allow users to terminate a cable with soldered connections to a PCB. Pickering Interfaces recommend the use of purchased cable assemblies for applications where most or all of the contacts are in use. If this product is used without a backshell users should make their own cable strain relief arrangements and ensure appropriate electrical safety precautions are observed.

Technical Specification

Connector Type:	200-Pin LFH
Gender	Female
Securing Method:	
Product with Backshell	4-40 UNC or M3 screwlocks, female
Product without Backshell	4-40 UNC screwlocks, female
Wire Connection	Solder to PCB
Cable Screen Connection	Solder ring terminal
Connector Ratings:	
Maximum Current	1A
Maximum Voltage	150 VAC
Cable Exit:	Dual rear exit
Cable Exit Size	611 mm <sup>2</sup>
Overall Size (Approx)	H97 x W18 x D84.7 mm
200-Pin LFH:	
Contact Material	Gold over nickel
Contact Resistance	<20 mOhm
Wire Connection:	
Maximum Wire Size	28AWG
Recommended Insulation	PVC
Additional Cable Clamp	Yes (in backshell)



Soldered Connections

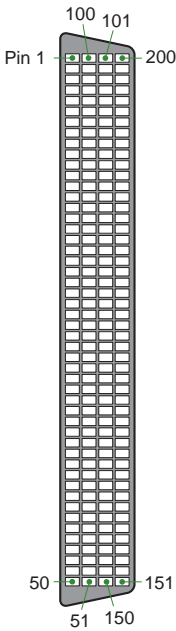


Connector Dimensions

This Connector is Not Suitable  
for Connection  
to a Pickering Switching Product



F With Backshell



Female  
Mating Face

Product Order Codes

200-Pin LFH Connector, 1A, with Backshell,	
Female, 4-40 UNC Female Screwlocks	40-961A-200-F
Female , M3 Female Screwlocks	40-961A-200-M3-F
Female without Backshell	92-961-200-F

**Note:** 1. The Female gender **Will Not Mate** with a Pickering Module.  
2. This connector is supplied in kit form.

## Appendix 1

This appendix gives details of mating products in other Pickering data sheets.

## Mating Products

Products in this Data Sheet		Mating Products		Data Sheet
	40-971B-200-*m-MF 40-971B-200-*m-FF Cable Assy, 200-Pin LFH to 50-Pin Ribbon, 1A,		40-967-550-M Breakout with DIN Rail Mount, 50-Pin IDC, 1A, Screw Terminal, Male	<a href="#">Please see Data Sheet 90-004D, 50-Pin IDC Accessories</a>
			40-961-550-M Cable Connector, 50-Pin IDC for Ribbon Cable, 1A, Male	
			40-963-550-SM PCB Connector 50-Pin IDC, 1A, Male	
	40-971B-200-*m-MM 40-971B-200-*m-FM Cable Assy, 200-Pin LFH to 50-Pin Ribbon, 1A,		40-961-550-F Cable Connector 50-Pin IDC for Ribbon Cable, 1A, Female	
	40-971B-200D-*m-MF Cable Assy, 200-Pin LFH, to 50-Pin D-Type, 1A		40-967-050-M Breakout with DIN Rail Mount, 50-Pin D-Type, 5 A, Screw Terminal, Male	<a href="#">Please see Data Sheet 90-005D, 50-Pin D-Type Accessories</a>
			40-963-050-RM PCB Connector 50-Pin D-Type, 5 A, Right Angle PCB Mount, Male	
			40-963-050-SM PCB Connector 50-Pin D-Type, 5 A, Straight PCB Mount, Male	
	40-971B-200D-*m-MM A200LMB-04F050D5B*** Cable Assy, 200-Pin LFH, to 50-Pin D-Type, 1A		40-967-050-F Breakout with DIN Rail Mount, 50-Pin D-Type, 5 A, Screw Terminal, Female	
			40-963-050-RF PCB Connector 50-Pin D-Type, 5 A, Right Angle PCB Mount, Female	
			40-963-050-SF PCB Connector 50-Pin D-Type, 5 A, Straight PCB Mount, Female	

## Appendix 2

This appendix gives details of recent part number changes.



**ECN1639 Dated 28th October 2021**

This Change Note covered changes to the wire type used within the cable assemblies. The existing wire had become unavailable. Items that changed and the corresponding updated part numbers are detailed below:

Product changes in data sheet order		Data Sheet 90-002D Issue 11.4 Jul 2021	Data Sheet 90-002D Issue 11.5 Nov 2021
		Product Part Numbers	Product Part Numbers
	Cable Assy, 200-Pin LFH, 1A Male to Female, Male Screwlocks	A200LMR-200LFR-6A***	A200LMR-200LFR-6B***
	Cable Assy, 200-Pin LFH, 1A Male to Male, Male Screwlocks	40-970A-200-*m-MM	40-970B-200-*m-MM
	Extender Cable Assy, 200-Pin LFH, 1A Male to Female	A200LMR-200LFR-5A***	A200LMR-200LFR-5B***
	Extender Cable Assy, 200-Pin LFH, 1A Male (90° Cable Exit) to Female	A200LMB-200LFR-5A***	A200LMB-200LFR-5B***
	Cable Assy, 200-Pin LFH, 1A Male to Unterminated, Male Screwlocks	40-972A-200-*m-MU	40-972B-200-*m-MU
	Cable Assy, 200-Pin LFH, 1A Male to 4 x 50-Pin Ribbon, Female	40-971A-200-*m-MF	40-971B-200-*m-MF
	Cable Assy, 200-Pin LFH, 1A Male to 4 x 50-Pin Ribbon, Male	40-971A-200-*m-MM	40-971B-200-*m-MM
	Cable Assy, 200-Pin LFH, 1A Male to 4 x 50-Pin 50-Pin D-Sub, Male	40-971A-200D-*m-MM	40-971B-200D-*m-MM
	Cable Assy, 200-Pin LFH, 1A Male to 4 x 50-Pin 50-Pin D-Sub, Female	40-971A-200D-*m-MF	40-971B-200D-*m-MF
	Cable Assy, 200-Pin LFH, 1A Male (90° Cable Exit) to 4 x 50-Pin 50-Pin D-Sub, Female	A200LMB-04F050D5A***	A200LMB-04F050D5B***
	Cable Assy, 200-Pin LFH, 1A Female to Female, Male Screwlocks	A200LFR-200LFR-6A***	A200LFR-200LFR-6B***
	Cable Assy, 200-Pin LFH, 1A Female to Female, Female Screwlocks	40-970A-200-*m-FF	40-970B-200-*m-FF
	Cable Assy, 200-Pin LFH, 1A Female to Unterminated, Female Screwlocks	40-972A-200-*m-FU	40-972B-200-*m-FU
	Cable Assy, 200-Pin LFH, 1A Female to 4 x 50-Pin Ribbon, Female	40-971A-200-*m-FF	40-971B-200-*m-FF
	Cable Assy, 200-Pin LFH, 1A Female to 4 x 50-Pin Ribbon, Male	40-971A-200-*m-FM	40-971B-200-*m-FM

## 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.

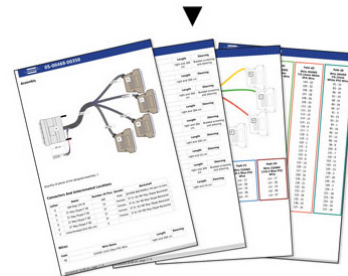
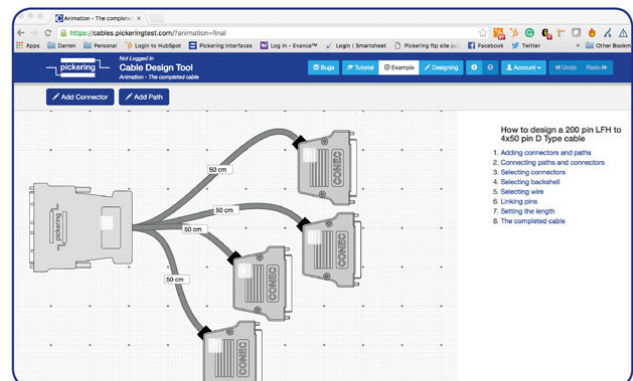
We offer a fast turn round of custom items to keep your ordering and integration time scales to a minimum.



## Pickering's Cable Design Tool

Our Cable Design Tool is an online tool that allows you to define a cable assembly to exactly meet your requirements.

- Graphical design of customized cable assemblies
- Built-in library of standard cable sets can be used as the basis for customization, or cables can be defined from scratch
- The ability to store cable assemblies in the Cloud and develop them over time
- Each cable design has a PDF documentation file detailing all the specifications
- Allows detailed design including; connector types, wire type, pin definitions, pin & cable labelling, cable bundling, length selection, sleeving, comments, etc.
- Add your own connectors and wires
- Fully supported on major tablet operating systems



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.

For more information visit: [pickeringtest.com/cdt](http://pickeringtest.com/cdt)