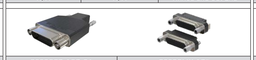
Pickering - Cables & Connectors Map

9 to 26-PIN CABLES & CONNECTORS

Accessory	9-Pin D-Type		15-Pin D-Type		25-Pin D-Type		25-Pin Micro-D			26-Pin D-Type	
Data Sheet	90-003D		90-010D		90-008D		90-024D			90-009D	
Cable Assemblies Standard Lengths: 0.5 m, 1 m, 2 m. Most unterminated versions have a Free Wire Length of 130 mm.											
Part Number or Model Family	40-970-009	40-972-009 and A009D	40-970-015	40-972-015 and A015D	40-970-025	40-972-025 and A025D	A025CFR-A025CFR	A025CFR-025DMR	A025CFR	40-970-026	40-972-026 & A026H
Product	9-Pin to 9-Pin	9-Pin to Unterminated	15-Pin to 15-Pin	15-Pin to Unterminated	25-Pin to 25-Pin	25-Pin to Unterminated	25-Pin to 25-Pin	25-Pin to 25-Pin	25-Pin to Unterminated	26-Pin to 26-Pin	26-Pin to Unterminated
Maximum Current/Voltage	5 A, 250 VAC/400 VDC		5 A, 250 VAC/400 VDC		5 A, 250 VAC/400 VDC		1 A, 100 VAC r.m.s	1 A, 30 V r.m.s	1 A, 100 VAC r.m.s	3 A, 250 VAC/400 VDC	
Connector Type	9-Pin D-Sub (Male or Female)		15-Pin D-Sub (Male or Female)		25-Pin D-Sub (Male or Female)		25-Pin Micro-D (Female)	25-Pin Micro-D (Fem) to D-Type (Male)	25-Pin Micro-D (Female)	26-Pin D-Sub (Male or Female)	
Cable Exit	45°	45°	45°	45°	45°	45°	Rear	Rear	Rear	45°	45°
Product Securing Method	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	2-56 UNC (Male)	2-56/4-40 UNC(Male)	2-56 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)
Unterminated Options (End B)	N/A	Ferrules, Tinned, Cut	N/A	Ferrules, Tinned, Cut	N/A	Ferrules, Tinned, Cut	N/A	N/A	Tinned and Cut End	N/A	Ferrules, Tinned, Cut
Connectors, Connector Blocks and Breakouts Most cable connectors/connector blocks can be supplied without a backshell											
Part Number or Model Family	40-960-009	40-965-009-F	40-960-015	40-963-015	40-960-025	40-965-025-F	40-963-025	C025CFR-1CP-0A	C025CMX-1P*	40-960-026	26-Pin PCB Mount Right Angle or Straight
Product	9-Pin D-Sub Cable Connector	9-Pin D-Sub Connector Block	15-Pin D-Sub Cable Connector	15-Pin PCB Mount Right Angle or Straight	25-Pin D-Sub Cable Connector	25-Pin D-Sub Connector Block	25-Pin PCB Mount Right Angle or Straight	25-Pin Micro-D Cable Connector	25-Pin Micro-D PCB Mount Right Angle or Straight	26-Pin D-Sub Cable Connector	
Gender	Male or Female	Female	Male or Female	Male or Female	Male or Female	Female	Male or Female	Female	Male	Male or Female	Male or Female
Maximum Current/Voltage	5 A, 250 VAC	5 A, 200 VDC	5 A, 250 VAC	5 A each pin, 250 VAC	5 A, 250 VAC	5 A, 200 VDC	5 A each pin, 250 VAC	1 A, 100 VAC r.m.s	1 A, 350 VAC	3 A, 250 VAC	500 VAC
Cable Exit/Exit Size	45° (15 mm Dia)	Rear (10 x 8.8 mm)	45° (10 mm Dia)	N/A	45° (10 mm Dia)	Rear (11 x 24 mm)	N/A	Rear	N/A	45° (10 mm Dia)	N/A
Product Securing Method	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Female)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Female)	2-56 UNC (Male)	2-56 UNC (Female)	4-40 UNC (Male)	4-40 UNC (Female)
Wire Connection Method	Solder Bucket	RC Screw Terminals	Solder Bucket	Solder to PCB	Solder Bucket	RC Screw Terminals	Solder to PCB	Solder Pin	Solder to PCB	Solder Bucket	Solder to PCB

37 to 68-PIN CABLES & CONNECTORS

Accessory	37-Pin D-Type		44-Pin D-Type (Density and a Half)		50-Pin D-Type		68-Pin VHDCI (Slimline)	
Data Sheet	90-007D		90-013D		90-005D		90-020D	
Cable Assemblies Standard Lengths: 0.5 m, 1 m, 2 m. Most unterminated versions have a Free Wire Length of 130 mm.								
Part Number or Model Family	40-970-037	40-972-037 and A037D	40-970-044	40-972-044 & A044H	40-970-050 and A050D	40-972-050 and A050D	A068VMR-068VMR	A068VMR-*-4C***
Product	37-Pin to 37-Pin	37-Pin to Unterminated	44-Pin to 44-Pin	44-Pin to Unterminated	50-Pin to 50-Pin	50-Pin to Unterminated	68-Pin to 68-Pin	68-Pin to Unterminated
Maximum Current/Voltage	5 A, 250 VAC/400 VDC	5 A, 250 VAC/400 VDC	3 A, 250 VAC/400 VDC	3 A, 250 VAC/400 VDC	5 A, 250 VAC/400 VDC	5 A, 250 VAC/400 VDC	0.5 A, 30 V AC	0.5 A, 30 V AC
Connector Type	37-Pin D-Sub (Male or Female)	37-Pin D-Sub (Male or Female)	44-Pin D-Sub Density and a Half (Male or Female)		50-Pin D-Sub (Male or Female)	50-Pin D-Sub (Male or Female)	68-Pin VHDCI (Male) Slimline, 0.8 mm Pitch	68-Pin VHDCI (Male) Slimline, 0.8 mm Pitch
Cable Exit	45°	45°	45°	45°	45°	45°	Rear	Rear
Product Securing Method	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	M2 (Male)	M2 (Male)
Unterminated Options (End B)	N/A	Ferrules, Tinned, Cut	N/A	Ferrules, Tinned, Cut	N/A	Ferrules, Tinned, Cut	N/A	Ferrules, Tinned, Cut
Connectors, Connector Blocks and Breakouts Most cable connectors/connector blocks can be supplied without a backshell								
Part Number or Model Family	40-960-037	40-965-037	40-967-037	40-963-037	40-960-044	40-963-044	40-960-050	40-965A-050-F	40-967-050-F	40-963-050	CD68VMR-68B-6A	BD68VFR-6F-0A
Product	37-Pin D-Sub Cable Connector	37-Pin D-Sub Connector Block	37-Pin D-Sub Breakout	37-Pin PCB Mount Right Angle or Straight	44-Pin D-Sub Cable Connector, Density and a Half	44-Pin PCB Mount Right Angle or Straight	50-Pin D-Sub Cable Connector	50-Pin D-Sub Connector Block	50-Pin D-Sub Breakout, DIN Rail Mount	50-Pin PCB Mount Right Angle or Straight	68-Pin VHDCI Slimline Cable Connector	68-Pin VHDCI Connector Block
Gender	Male or Female	Male or Female	Male or Female	Male or Female	Male or Female	Male or Female	Male or Female	Female	Male or Female	Male or Female	Male	Female
Maximum Current/Voltage	5 A, 250 VAC	5 A, 200 VDC	5 A, 200 VDC	5 A each pin, 250 VAC	3 A, 250 VAC	3 A each pin, 250 VAC	5 A, 250 VAC	5 A, 200 VDC	5 A each pin, 250 VAC		2 A, 30 VAC	0.5 A, 30 VAC
Cable Exit/Exit Size	45° (13 mm Dia)	Rear (18 x 24 mm)	-	N/A	45° (10 mm Dia)	N/A	45° (15 mm Dia)	Rear (15.3 x 30 mm)	-	N/A	Rear (15.8 x 6.5 mm)	Rear (12.1 x 28 mm)
Product Securing Method	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Female)	4-40 UNC (Female)	4-40 UNC (Male)	4-40 UNC (Female)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Female)	4-40 UNC (Female)	M2 (Male)	M2 (Female)
Wire Connection Method	Solder Bucket	RC Screw Terminals	Solder to PCB		Solder Bucket	Solder to PCB	Solder Bucket	Rising Cage Screw Terminals		Solder to PCB	Slimline Solder	RC Screw Terminals

68-PIN CABLES & CONNECTORS

Accessory	68-Pin 1.27 mm Pitch		
Data Sheet	90-015D		
Cable Assemblies Standard Lengths: 0.5 m, 1 m, 2 m. Most unterminated versions have a Free Wire Length of 130 mm.			
Part Number or Model Family	40-970-068	40-971-068	40-972-068 and A068S
Product	68-Pin to 68-Pin	68-Pin to 2 off 34-Pin Polarized IDC	68-Pin to Unterminated
Maximum Current/Voltage	1 A, 150 V	1 A, 150 V	1 A, 150 V
Connector Type (End A)	68-Pin 1.27 mm Pitch (Male or Female)	68-Pin 1.27 mm Pitch (Male or Female)	68-Pin 1.27 mm Pitch (Male or Female)
Cable Exit	Rear	Rear	Rear
Product Securing Method	Metal Spring Latch (2-56 UNC Screwlock Option)	Metal Spring Latch (2-56 UNC Screwlock Option)	Metal Spring Latch (2-56 UNC Screwlock Option)
Connector Type (End B)	As End A	2 off 34-Pin Polarized IDC, Female. Side Cable Exit.	N/A
Unterminated Options	N/A	N/A	Ferrules, Tinned, Cut
Connectors, Connector Blocks and Breakouts Most cable connectors/connector blocks can be supplied without a backshell			
Part Number or Model Family	40-961-068	40-962-068	40-962-068-SB-F	40-962B-068-SB-M	40-965-068 92-965-068 (No Shell)	44-965-068 For BRIC Modules	40-966-068	40-963-068
Product	Cable Connector, IDC for Ribbon Cable	Cable Connector, IDC for Discrete Wires	Cable Connector, Solder Bucket	Cable Connector, Solder Bucket	Connector Block	Connector Block for BRIC Modules	Connector Block, DIN Rail Mount	PCB Mount Connectors Right Angle or Straight
Gender	Male or Female	Male or Female	Female	Male	Female	Male or Female	Male or Female	Female
Maximum Current/Voltage	1 A, 250 V AC				1 A, 200 V DC			1 A each pin, 250 VAC
Cable Exit/Exit Size	Rear (7.5 x 8.5 mm)			Rear (22.4 x 10.1 mm)	Rear (12.6 x 28 mm)	Rear (9.5 x 20 mm)	Rear (12.6 x 28 mm)	N/A
Product Securing Method	Metal Spring Latch (Also 2-56 UNC Screwlock Option)			2-56 UNC (Male)	Female: Latch Block Male: 2-56 UNC (Male)	M2.5 (Male)	Female: Latch Block Male: Push Fit	Female: 2-56 UNC + LB Male: M2.5 + LC
Wire Connection Method	IDC for Ribbon Cable	IDC for Discrete Wire	Solder Bucket	Solder Bucket	Rising Cage Screw Terminals			Solder to PCB

78 & 96-PIN CABLES & CONNECTORS

Accessory	78-Pin D-Type (Density and a Half)			96-Pin 1.27 mm Pitch						
Data Sheet	90-006D			90-016D						
Cable Assemblies Standard Lengths: 0.5 m, 1 m, 2 m. Most unterminated versions have a Free Wire Length of 130 mm.			32, 24, 16 or 8 Plugs 							
Part Number or Model Family	40-970-078	40-972-078 and A078H	A078DFR-**M002T5A	40-970C-096	A096SFR-096SFR	40-973C-096	A096SFR-100SMR	40-972C-096 and A096SFR-*-5B***	A096SFR-*-6A***	
Product	78-Pin to 78-Pin	78-Pin to Unterminated	78-Pin to Thermocouple Plugs	96-Pin to 96-Pin, Dual Screened		96-Pin to 100-Pin, Dual Screened		96-Pin to Unterminated, Dual Screened		
Maximum Current/Voltage	3 A, 250 VAC/400 VDC	3 A, 250 VAC/400 VDC	3 A, 125 VAC	1 A, 150 V		1 A, 150 V		1 A, 150 V		
Connector Type (End A)	78-Pin D-Sub Density and a Half (M or F)	78-Pin D-Sub Density and a Half (M or F)	78-Pin D-Sub Density and a Half (M or F)	96-Pin 1.27 mm Pitch (Female)		96-Pin 1.27 mm Pitch (Female)		96-Pin 1.27 mm Pitch (Female)		
Cable Exit	45°	45°	45°	Rear		Rear		Rear		
Product Securing Method	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	Metal Spring Latch	M2.5 (Male)	Metal Spring Latch	M2.5 (Male)	Metal Spring Latch	M2.5 (Male)	
Connector Type (End B)	As End A	N/A	Mini Copper Thermocouple Plugs	As End A		100-Pin 1.27 mm Pitch (Male)		N/A		
Unterminated Options	N/A	Ferrules, Tinned, Cut	N/A	N/A		N/A		Ferrules, Tinned, Cut		
Connectors, Connector Blocks and Breakouts Most cable connectors/connector blocks can be supplied without a backshell										
Part Number or Model Family	40-960-078	40-965A-078-F	40-967-078	40-963-078	40-961-096-F	40-962-096-F	C096SFR-4SP	40-965-096	44-965-096-F For BRIC	40-966-096-M	40-967-096-M	40-963-096
Product	Cable Connector, Density and a Half	Connector Block, Density and a Half	Breakout, Density and a Half	PCB Mount Connectors Right Angle or Straight	Cable Connector, IDC for Ribbon Cable	Cable Connector, IDC for Discrete Wires	Cable Connector, Solder Pad for Discrete Wires	Connector Block	Connector Block for BRIC Modules	Connector Block, DIN Rail Mount	Breakout, DIN Rail Mount	PCB Mount Connectors Right Angle or Straight
Gender	Male or Female	Female	Male or Female	Male or Female	Female		Female	Male or Female	Female	Male	Male	Male or Female
Maximum Current/Voltage	3 A, 250 VAC	2 A, 200 VDC		3 A each pin, 250 VAC	1 A, 250 VAC		1 A, 250 VAC		1 A, 200 VDC		1 A, 200 VDC	1 A each pin, 250 VAC
Cable Exit/Exit Size	45° (12 mm Dia)	Rear (15.3 x 30 mm)	-	N/A	Rear (13 x 7.5 mm)	Rear (13 x 7.5 mm)	Rear - 37.0 x 7.4 mm	Rear (10 x 30 mm)	Rear (9.5 x 30 mm)	Rear (10 x 30 mm)	-	N/A
Product Securing Method	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Female)	4-40 UNC (Male)	Metal Spring Latch	Metal Spring Latch	M2.5 (Male)	2.5 mm Screwlocks (Male)		Latch Clip and to DIN Rails	Latch Clip and to DIN Rails	Fem: Push Fit, Male: M2.5 + Latch Clip
Wire Connection Method	Solder Bucket	Rising Cage Screw Terminals		Solder to PCB	IDC for Ribbon Cable	IDC for Discrete Wire	Solder to PCB Pad	Rising Cage Screw Terminals				Fem: Push Fit, Male: Latch Clip

100 to 160-PIN CABLES & CONNECTORS

Accessory	100-Pin 1.27 mm Pitch		104-Pin D-Type		160-Pin DIN41612						
Data Sheet	90-019D		90-022D		90-001D						
Cable Assemblies Standard Lengths: 0.5 m, 1 m, 2 m. Most unterminated versions have a Free Wire Length of 130 mm.											
Part Number or Model Family	A100SMR-100SMR-*	A100SMR-*-9B***	40-970-104	40-972-104 and A104HFR	40-970-160 40-970A-160	A1604F5-1604F5	A1604FT-1604FT	40-972A-160, A1604*R-*-0B***	A1604F5-*-0A***	A1604FT-*-0A***	
Product	100-Pin to 100-Pin, Dual Screened	100-Pin to Unterminated, Dual Screened	104-Pin to 104-Pin	104-Pin to Unterminated	160-Pin to 160-Pin			160-Pin to Unterminated			
Maximum Current/Voltage	1 A, 150 V	1 A, 150 V	2 A, 300 VAC r.m.s		2 A, 500 V DC or AC peak			2 A, 500 V DC or AC peak			
Connector Type (End A)	100-Pin 1.27 mm Pitch (Male)	100-Pin 1.27 mm Pitch (Male)	104-Pin D-Sub, Density and a Half (Male or Female)		160-Pin (Male or Fem)	160-Pin DIN41612 (Female)		160-Pin (Male or Female)	160-Pin DIN41612 (Female)		
Cable Exit	Rear	Rear	Rear		Rear	45°	90°	Rear	45°	90°	
Product Securing Method	2-56 UNC (Male)	2-56 UNC (Male)	4-40 UNC (Male)		Fem: 1 off M2.5 Male Male: 2 off M2.5 Fem	1 x M2.5 (Male)	1 x M2.5 (Male)	Female: 1 off M2.5 Male Male: 2 off M2.5 Female	1 x M2.5 (Male)	1 x M2.5 (Male)	
Connector Type (End B)	As End A	N/A	As End A	As End A	As End A	As End A	As End A	N/A			
Unterminated Options	N/A	Ferrules, Tinned, Cut	N/A	Ferrules, Tinned, Cut	N/A	N/A	N/A	Ferrules, Tinned, Cut			
Connectors, Connector Blocks and Breakouts Most cable connectors/connector blocks can be supplied without a backshell											Modified Connector
Part Number or Model Family	C100SMR-1CR-6A	C100SMR-1CW-6A	C100SFX-1P*-5A	C104D*R-2SB, 40-960-104-M	40-963-104	40-960A-160-F	40-960-160-M	40-960-160-F5	40-960-160-FT	40-965-160, B1604MR-4F-0A	40-967-160	40-963-160 (Modified connectors also available for specific products)
Product	100-Pin 1.27 mm Pitch Connector, Inc IDC for Ribbon Cable	100-Pin 1.27 mm Pitch Connector, Inc IDC for Discrete Wires	100-Pin PCB Mount Right Angle or Straight	104-Pin D-Sub Connector, Density and a Half	104-Pin D-Sub PCB Mount, Density and a Half, Right Angle Mount	160-Pin DIN41612 Cable Connector				160-Pin DIN41612 Connector Block	160-Pin DIN41612 Breakout	RA PCB Mount Fem: Type 160TE Male: Type 160E / Straight PCB Mount Fem: Type 160E Male: Type 160TE
Gender	Male	Male	Female	Male or Female	Male or Female	Female	Male or Female	Female	Male or Female	Male or Female		Male or Female
Maximum Current/Voltage	1 A, 250 VAC	1 A, 250 VAC	1 A each pin, 250 VAC	5 A, 300 V r.m.s	5 A, 300 VAC	2 A each pin, 500 V DC or AC Peak				2 A, 200 V DC or AC Peak	2 A, 500 V DC or AC Peak	2 A each pin, 500 V DC or AC Peak
Cable Exit/Exit Size	Rear (7.4 x 27 mm)	Rear (7.4 x 27 mm)	N/A	Rear	N/A	Rear	Rear	45°	90°	Dual Rear	-	N/A
Product Securing Method	2-56 UNC (Male)	2-56 UNC (Male)	2-56 UNC (Female)	4-40 UNC (Male)	4-40 UNC (Female)	1 x M2.5 (Male) with Side Clip	2 x M2.5 (Female)	1 x M2.5 (Male) with Side Clip		Fem: 1 off M2.5 Male Male: 1 off M2.5 Fem	Fem: 2 off M2.5 Male Male: 4 off M2.5 Female	Push Fit
Wire Connection Method	IDC	IDC	Solder to PCB	Solder Bucket	Solder to PCB	Crimp Pin	Solder Pin	Crimp Pin	Crimp Pin	Rising Cage Screw Terminals		Solder to PCB

200 & 500-PIN CABLES & CONNECTORS

Accessory	200-Pin							500-Pin		
Data Sheet	90-002D							90-021D		
Cable Assemblies Standard Lengths: 0.5 m, 1 m, 2 m. Most unterminated versions have a Free Wire Length of 130 mm.										
Part Number or Model Family	40-970B-200	A200L*R-200LFR	A200LM*-200LFR	40-971B-200	40-971B-200D	A200LMB-04F050	40-972B-200	A500RMR-500RMR	A500RMR-05F050D	A500RMR-*
Product	200-Pin to 200-Pin		200-Pin to 200-Pin Extender Cable	200-Pin to 4 x 50-Pin IDC	200-Pin to 4 x 50-Pin D-Type		200-Pin to Unterminated	500-Pin to 500-Pin (250 or 500-Port)	500-Pin (250-Port) to 5x50-Pin D-Type	500-Pin to Unterminated
Maximum Current/Voltage	1 A, 150 V DC						1 A, 150 VDC	2 A, 200 VDC 1 A (500-Port Version)	2 A, 200 VDC	2 A, 200 VDC 1 A (500-Port Version)
Connector Type (End A)	200-Pin (Male)	200-Pin (Female)	200-Pin (Male or Female)	200-Pin (Male)	200-Pin (Male or Female)	200-Pin (Male)	200-Pin (Male or Female)	500-Pin (Male), 250 or 500-Port	500-Pin (Male), 250-Port	500-Pin Male), 250 or 500-Port
Cable Exit	Rear		Rear or 90°	Rear	90°		Rear	Rear		Rear
Product Securing Method	Fem: 2 off 4-40 UNC Fem Male: 2 off 4-40 UNC Male	Fem: 2 off 4-40 UNC Male Male: 2 off 4-40 UNC Male	4-40 UNC (2 off Male)	Fem: 2 off 4-40 UNC Fem Male: 2 off 4-40 UNC Male	4-40 UNC (Male)	4-40 UNC (Male)	Fem: 2 off 4-40 UNC Fem Male: 2 off 4-40 UNC Male	M2.5 (Male)		M2.5 (Male)
Connector Type (End B)	As End A	200-Pin, Female	200-Pin, Female	4 off 50-Pin Polarized IDC, Male or Female	4 x 50-Pin D-Sub, Male or Female		N/A	As End A	5 x 50-Pin D-Sub, Female	N/A
Cable Exit/Exit Size	As End A	Rear	Rear	Side	45°			As End A	45°	
Product Securing Method		As End A	4-40 UNC (Female)	Push Fit/Latch	4-40 UNC (Male)				4-40 UNC (Male)	
Unterminated Options	N/A	N/A	N/A	N/A	N/A		Tinned Contacts Only	N/A	N/A	Ferrules, Tinned, Cut
Connectors, Connector Blocks and Breakouts Most cable connectors/connector blocks can be supplied without a backshell										
Part Number or Model Family	40-961A-200	C200LMB-2SP	C200LFR-2SP	40-965-200	B200LFR-2F-5B	50-965-200-M	40-963-200	C500RMR-4SB-5C	C500RMR-4SB-1B	C500RFX-XPR-5A
Product	200-PinCable Connector			200-Pin Connector Block	200-Pin Connector Block	200-Pin PCI Connector Block	200-PinPCB Mount Right Angle or Straight	500-Pin Cable Connector (250-Port)	500-Pin Cable Connector (500-Port)	500-Pin Right Angle PCB Mount
Gender	Male or Female	Male	Female	Male	Female	Male	Male or Female	Male	Male	Female
Maximum Current/Voltage	1 A, 150 VDC			1 A, 150 VDC	1 A, 150 VDC	1 A, 150 VDC	1 A each pin, 150 VDC	2 A, 200 VDC	1 A, 200 VDC	2 A, 280 VAC
Cable Exit/Exit Size	Dual Rear	90°	Dual Rear	Rear (32 x 11 mm)	Rear (32 x 11 mm)	Rear (32 x 11 mm)	N/A	Rear	Rear	-
Product Securing Method	4-40 UNC or M3 (M or F)	4-40 UNC (Male)		4-40 UNC (Male)	4-40 UNC (Fem)	4-40 UNC (Male)	4-40 UNC (Female)	M2.5 (Male)	M2.5 (Male)	Push Fit
Wire Connection Method	Male: Solder Pin, Female: Solder to PCB		Solder to PCB	Rising Cage Screw Terminals			Solder to PCB	Solder to PCB	Solder to PCB	Surface Mount Solder to PCB

Note: Most standard cables are of screened construction with a cable clamp in the connector backshell. Unterminated cables are labelled/coded to the connector pins.

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SCAN ME

Pickering - Cables & Connectors Map

SWITCHING & SIMULATION SOLUTIONS FROM PICKERING INTERFACES

About Us

At Pickering, we understand that to design, deploy and sustain your test system can be challenging, and we believe in offering you the products and services to help your engineering team get the job done on time and budget. Since 1988, our core focus has and continues to be high-density modular switching and simulation systems for PXI, PCI, LXI and USB applications.

We offer the industry's deepest portfolio (over 1,000 products in PXI alone), but the value doesn't end there. Take a look at the benefits of working with Pickering:

- When our product range doesn't fit your application, we have the agility and expertise needed to develop a system to your specifications, often with little to no engineering cost.
- We can also help accelerate software development and test time by offering tools to help with your programming efforts. These include our Switch Path Manager signal routing software that simplifies coding of switching systems, and simulation tools that allow development to begin before your hardware is received.
- We know that maximizing uptime of your test system is important—with our diagnostic test tools, you can identify faulty or damaged components in a matter of minutes. Many of our products include spare relays, so you can self-repair in the field without voiding our 3-year warranty.

- Our products have a history of longevity, typically 15-20 years, which is critical to many of our customers. All products manufactured by us come with a standard 3-year warranty* and include guaranteed long-term support.
- Our technical staff can address any hardware or software problems you may encounter. We have multiple offices located around the world and provide access to support engineers that have many years' experience in functional test and are committed to responding in a timely fashion.
- All module and cabling manufacturing processes are done within our two factories on flexible manufacturing lines allowing us to offer simple customization to meet your needs. The chances are good that we can enhance your engineering team's effectiveness with our collaborative, creative and agile culture.

Learn more: pickeringtest.com/whypickering

Note: Currently the **110 GHz** products come with a **1-year Warranty**

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Pickering is the only switch provider with in-house reed relay manufacturing capability. These instrument grade reed relays feature ***SoftCenter***™ technology, ensuring long service life and repeatable contact performance. In addition, most of our switch modules use through-hole technology relays (as opposed to surface mount) allowing easy replacement without the need for special tools.

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POWER CABLES & CONNECTORS

#See Notes

Accessory		3-Pin D-Type		8-Pin D-Type		20-Pin GMCT				20-Pin Scorpion™		50-Pin SGMC	
Data Sheet		90-018D		90-012D		90-014D				90-023D		90-027D	
Cable Assemblies Standard Lengths: 0.5m, 1m, 2m Most unterminated versions have a Free Wire Length of 130mm.													
Product Type	Part Number or Model Family	40-970-403	40-972-403 & A003P	40-970-408, 40-970-404 (Partial Pin)	40-972-408, 40-972-404 & A008P	40-970-020	40-970B-020	A020G	40-972C-020 & A020G	A020AMR-020AFR	A020AFR-T and A020AFR-C	A050FMR-050FFR	A050FFR-*-0A***
	Product	3-Pin to 3-Pin	3-Pin to Unterminated	8-Pin to 8-Pin & 4-Pin to 4-Pin	8-Pin & 4-Pin to Unterminated	20-Pin to 20-Pin	20-Pin to 20-Pin	20-Pin to Unterminated	20-Pin to Unterminated	20-Pin to 20-Pin	20-Pin to Unterminated	50-Pin to 50-Pin	50-Pin to Unterminated
	Maximum Current/Voltage	20 A, 350 VDC/AC Peak	20 A, 350 VDC/AC Peak	40 A, 350 VDC/350 VAC Peak	40 A, 350 VDC/350 VAC Peak	10 A, 500 VDC/500 VAC	16 A, 500 VDC/500 VAC	10 A, 500 VDC/500 VAC	16 A, 500 VDC/500 VAC	30 A, 600 V or 20 A, 500 V	30 A, 600 V or 20A, 500 V	5 A, 250 VAC r.m.s	5 A, 250 VAC r.m.s
End A	Connector Type (End A)	3-Pin Power D-Sub	3-Pin Power D-Sub	8-Pin Power D-Sub	8-Pin Power D-Sub	20-Pin GMCT, 10 A	20-Pin GMCT, 16 A	20-Pin GMCT, 10 A	20-Pin GMCT, 16 A	20-Pin Scorpion	20-Pin Scorpion	50-Pin SGMC	50-Pin SGMC
	Gender	Male or Female	Male or Female	Male or Female	Male or Female	Male or Female	Male or Female	Male or Female	Male or Female	Male	Female	Male or Female	Female
	Cable Exit	45°	45°	45°	45°	Rear	Rear	Rear	Rear	Rear	Rear	Rear	Rear
	Product Securing Method	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	6-32 UNC	6-32 UNC	6-32 UNC	6-32 UNC	4-40 UNC (Male)	4-40 UNC (Male)	2-56 UNC	2-56 UNC
End B	Connector Type (End B)	As End A	N/A	As End A	N/A	As End A	As End A	N/A	N/A	As End A	N/A	As End A	N/A
	Gender	Male or Female		Male or Female		Male or Female	Male or Female			Female		Female	
	Unterminated Options	N/A	Ferrules, Tinned, Cut	N/A	Ferrules, Tinned, Cut	N/A	N/A	Ferrules, Tinned, Cut	Ferrules, Tinned, Cut	N/A	Tinned and Cut End	N/A	Tinned and Cut End
Connectors, Connector Blocks and Breakouts Most cable connectors/connector blocks can be supplied without a backshell.													
Product Type	Part Number or Model Family	40-960-003	40-963-003	40-960-008	40-960-004	40-963-008 40-963-004 (4-Pin)	40-960-020-10A	40-960-020-16A	40-963-020-10A-M	40-963-020-16A-M	C020AFR-2CP	C020AFX-2P*	C050FFR-1CP-0A
	Product	3-Pin Power D-Sub Cable Connector	3-Pin Power D-Sub Right Angle PCB Mount	8-Pin Power D-Sub Cable Connector	4-Pin Power D-Sub Cable Connector (Partial Pin of 8-Pin)	8-Pin Power D-Sub Right Angle PCB Mount	20-Pin GMCT Cable Connector (10 A)	20-Pin GMCT Cable Connector (16 A)	20-Pin GMCT Panel Mount Connector (10A)	20-Pin GMCT Panel Mount Connector (16A)	20-Pin Scorpion Cable Connector	20-Pin Scorpion PCB Mount Right Angle or Straight	50-Pin SGMC Cable Connector
	Gender	Male or Female	Male or Female	Male or Female	Female	Male or Female	Male or Female	Male or Female	Male	Male	Female	Female	Female
	Maximum Current/Voltage	40 A, 350 VDC/AC Peak	20 A, 250 V	40 A, 350 VDC or 350 VAC Peak		20 A, 250 V	10 A, 500 VAC	16 A, 500 VAC	10 A, 500 VAC	16 A, 500 VAC	30 A, 600 V or 20 A, 600 V	30 A, 600 V or 20 A, 600 V	5 A, 250 VAC r.m.s
	Cable Exit/Exit Size	45° (15 mm Dia)	N/A	45° (13 mm Dia)		N/A	Rear (11 mm Dia)	Rear (20.4 x 12 mm)	N/A	N/A	Rear	N/A	Rear
	Product Securing Method	4-40 UNC (Male)	4-40 UNC (Female)	4-40 UNC (Male)		4-40 UNC (Female)	6-32 UNC	6-32 UNC	6-32 UNC	6-32 UNC	4-40 UNC (Male)	4-40 UNC (Male)	2-56 UNC
	Wire Connection Method	Solder Bucket	Solder to PCB	Solder Bucket		Solder to PCB	Solder Bucket	Solder Bucket	Solder Bucket	Solder Bucket	Crimp Pin	Solder to PCB	Crimp Pin

50 & 75 Ω RF CABLES & ADAPTORS

Data Sheet 90-011D

	Part No.	End 1 Connector 1	End 2 Connector 2	Maximum Frequency	Cable Attenuation
50 Ω Cables	40-977-501-*m	BNC Plug	BNC Plug	3 GHz	1.9 dB/m @ 3 GHz
	40-977-511-*m	SMB Plug (Female)	SMB Plug (Female)	3 GHz	1.9 dB/m @ 3 GHz
	40-977-521-*m	SMA Plug	SMA Plug	3 GHz	1.9 dB/m @ 3 GHz
	40-977-541-*m	uWave SMA Plug	uWave SMA Plug	18 GHz	2.1 dB/m @ 18 GHz
	40-977-542-*m	uWave SMA Plug	uWave SMA Plug	26.5 GHz	2.8 dB/m @ 28 GHz
	40-977-544-*m	uWave SMA 2.92 Plug	uWave SMA 2.92 Plug	40 GHz	4.35 dB/m @ 45 GHz
	40-977-545-*m	uWave SMA 2.4 Plug	uWave SMA 2.4 Plug	50 GHz	5.4 dB/m @ 50 GHz
	40-977-546-*m	uWave SMA 1.85 Plug	uWave SMA 1.85 Plug	67 GHz	5.4 dB/m @ 67 GHz
	40-977-548-*m	uWave SMA 1.0 Plug	uWave SMA 1.0 Plug	110 GHz	5.4 dB/m @ 110 GHz

Data Sheet 90-011D

	Part No.	End 1 Connector 1	End 2 Connector 2	Maximum Frequency	Cable Attenuation
50 Ω Cables	40-977-561-*m	MCX Plug	MCX Plug	3 GHz	1.9 dB/m @ 3 GHz
	40-977-571-*m	MMCX Plug	MMCX Plug	3 GHz	2.7 dB/m @ 3 GHz
	40-977-572-*m	N Type Plug	N Type Plug	11 GHz	1.6 dB/m @ 12 GHz
50 Ω Adaptors	40-978-501-*m	50 Ω SMB Plug (Female)	50 Ω BNC Plug	3 GHz	1.9 dB/m @ 3 GHz
	40-978-511-*m	50 Ω BNC Plug	50 Ω SMA Plug	3 GHz	1.9 dB/m @ 3 GHz
	40-978-521-*m	50 Ω SMB Plug (Female)	50 Ω SMA Plug	3 GHz	1.9 dB/m @ 3 GHz
75 Ω Cables	40-977-751-*m	75 Ω SMB Plug (Female)	75 Ω SMB Plug (Female)	2 GHz	1.3 dB/m @ 2 GHz
	40-977-761-*m	75 Ω MCX Plug	75 Ω MCX Plug	3 GHz	1.8 dB/m @ 3 GHz
75 Ω Adaptors	40-978-701-*m	75 Ω SMB Plug (Female)	75 Ω BNC Plug	1 GHz	0.9 dB/m @ 1 GHz
	40-978-781-*m	75 Ω BNC Plug	75 Ω MCX Plug	2 GHz	1.3 dB/m @ 2 GHz

Notes
- Keep all cables as short as possible.
- Standard lengths of 0.1 m, 0.25 m, 0.5 m, & 1 m available for frequencies over 6 GHz and also 2m for below 6GHz.
- Non-standard lengths up to 1 m available as requested.

IDC CONNECTIONS

Accessory	34-Pin IDC		50-Pin IDC			
Data Sheet	90-029D		90-004D			
Connectors and Breakouts						
Part Number or Model Family	40-967-534-M	40-963-534-SM	40-961-550-F	40-961-550-M	40-967-550-M	40-963-550-SM
Type	34-Pin IDC Breakout DIN Rail Mount	34-Pin IDC, Straight PCB Mount	50-Pin IDC, 0.1"(2.54 mm) pitch		50-Pin IDC Breakout DIN Rail Mount	50-Pin IDC, Straight PCB Mount
Gender	Male	Male	Female	Male	Male	Male
Maximum Current/Voltage	100 mA, 50 VDC	1 A, 150 VDC	1 A, 200 VDC		1 A, 200 VDC	1 A, 200 VDC
Cable Exit	-	N/A	Side		-	N/A
Product Securing Method	Latch Clips	Latch Clip	As Mating		Latch Clips	Latch Clip
Wire Connection Method	Screw Terminals	Solder to PCB	IDC for Ribbon		Screw Terminals	Solder to PCB

RF CABLES & CONNECTORS

Accessory		26-Pin MS-M		26-Pin GMCT
Data Sheet		90-017D		90-028D
RF Cable Assemblies Lengths in multiples of 0.5 m		50 Ω Impedance		75 Ω Impedance
Assembly	Part Number or Model Family	40-979 (RG178 & RG316) 500 MHz/1.3 GHz	40-979A (RG178) 40-979 (RG316) 1.3 GHz	40-979-726 (RG179)
Connector Type (End A)	Connector Type (End A)	26-Pin MS-M RF		26-Pin GMCT RF
	Gender	Female	Female	Male
	Cable Exit/Exit Size	Rear	Rear	Rear
	Product Securing Method	6-32 UNC	6-32 UNC	6-32 UNC
Connector Type (End B)	Connector Type (End B)	SMB	N/A	N/A
	Gender	Plug (Female)		
Unterminated Option (End B)	Wire End Options	N/A	Cut Wires	Cut Wires
	Free Wire Length		130 mm Nom	130 mm Nom
	Wire Labeling/Coding		To Connector Pins	To Connector Pins
RF Connector				
Product Type	Part Number or Model Family	40-969-526-F 40-969-526-F-SSL	40-969-526-M	40-969-726-M
	Type	26-Pin MS-M RF Connector		26-Pin GMCT RF Connector Housing
	Gender	Female	Male	Male
	Recommended Cable	RG178 & RG316		RG179
	Cable Exit/Exit Size	Rear - 18 x 8.5 mm	-	Rear - 14.8 x 9.9 mm
	Product Securing Method	6-32 UNC Screwlocks		6-32 UNC Screwlocks
	Wire Connection Method	Crimp		Crimp
Options		Male & Female Contacts & Tools available separately		Male Contacts & Connector Tools available separately

HIGH VOLTAGE CABLES & CONNECTORS

Accessory		9-Pin D-Type		22-Pin REDEL	37-Pin D-Type		50-Pin D-Type		51-Pin REDEL
Data Sheet		90-003HVD		90-025HVD	90-007HVD		90-005HVD		90-026HVD
Cable Assemblies Standard Lengths: 0.5 m, 1 m, 2 m. Most unterminated versions have a Free Wire Length of 130 mm.									
Product Type	Part Number or Model Family	40-970-009	40-972-009 & A009D	A022KMR-*-HA	40-970-037	40-972-037 & A037D	40-970-050 & A050D		A051KMR-*-HA
	Product	9-Pin to 9-Pin HV	9-Pin to Unterminated, HV	22-Pin to Unterminated, HV	37-Pin to 37-Pin,HV	37-Pin to Unterminated, HV	50-Pin to 50-Pin HV	50-Pin to Unterminated HV	51-Pin to Unterminated, HV, inc. Part-Populated Versions
	Maximum Current/Voltage	5 A, 750 V Working/1000 V DC AC Peak		0.25 A, 9 kV	5 A, 750 V Working/1000 V DC AC Peak		5 A, 750 V Working / 1000 V DC AC Peak		0.25 A, 9 kV
End A	Connector Type (End A)	9-Pin D-Sub HV	9-Pin D-Sub HV	22-Pin REDEL HV	37-Pin D-Sub HV	37-Pin D-Sub HV	50-Pin D-Sub HV	50-Pin D-Sub HV	51-Pin REDEL HV
	Gender	Male or Female	Male or Female	Male	Male or Female	Male or Female	Male or Female	Male or Female	Male
	Cable Exit	45°	45°	Rear	45°	45°	45°	45°	Rear
	Product Securing Method	4-40 UNC (Male)	4-40 UNC (Male)	Latch Clip	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	4-40 UNC (Male)	Latch Clip
End B	Connector Type (End B)	As End A	N/A	N/A	As End A	N/A	As End A	N/A	N/A
	Gender								
	Unterminated Options	N/A	Ferrules, Tinned, Cut	Cut End	N/A	Ferrules, Tinned, Cut	N/A	Ferrules, Tinned, Cut	Ferrules & Cut End
Connectors, Connector Blocks and Breakouts Most cable connectors/connector blocks can be supplied without a backshell.				N/A					N/A
Product Type	Part Number or Model Family	40-960-009	40-963-009	N/A	40-960-037	40-963-037	40-960-050		N/A
	Product	9-Pin D-Sub HV Cable Connector	9-Pin HV PCB Mount, Right Angle or Straight	N/A	37-Pin D-Sub HV Cable Connector	37-Pin HV PCB Mount Right Angle or Straight	50-Pin D-Sub HV Cable Connector		N/A
	Gender	Male	Male or Female	–	Male or Female	Male or Female	Male or Female		–
	Maximum Current/Voltage	5 A, 750 V Working	5 A each pin, 750 V	–	5 A, 1000 V DC or AC	5 A each pin, 1000 V	5 A, 1000 V DC or AC		–
	Cable Exit/Exit Size	45° (15 mm Dia)	N/A	–	45° (12 mm Dia)	N/A	45° (12 mm Dia)		–
	Product Securing Method	4-40 UNC (Male)	4-40 UNC (Female)	–	4-40 UNC (Male)	4-40 UNC (Female)	4-40 UNC (Male)		–
	Wire Connection Method	Solder Bucket	Solder to PCB	–	Solder Bucket	Solder to PCB	Solder Bucket		–

CUSTOM CONNECTION PRODUCTS

There are times when a standard cable will not do the job adequately. You may need custom cable lengths, specialized connectors and wire types, or a cable for a different application. For custom cabling, you can design your own using our **free online Cable Design Tool**, or we can design one for you and deliver as little as one to many. Well-planned cable design is essential to ensuring a high-reliability test system.

Pickering's **Cable Design Tool**

To learn more or give the tool a try, go to: pickeringtest.com/cdt

The first step to creating a custom solution with us is by using our free online Cable Design Tool. With this tool, you can design your custom cable assembly by using either our built-in library of standard cable sets or create them from scratch. Once completed, our engineers will generate a competitive quote for your cable requirements. We are excited about the feature that this tool offers, including:

- Graphical design of customized cable assemblies
- Built-in library of standard cable sets to be used as the basis for customization or cables can just be defined from scratch
- The ability to store cable assemblies in the Cloud and develop over time
- Each cable design has a documentation pdf file detailing all of the specifications
- Detailed design characteristics including the selection of connector types, wire type, pin definitions, pin and cable labeling, cable bundling, length selection, sleeving, comments, etc.
- Runs on modern browsers & supported on major tablet operating systems
- Built-in tutorials allow you to get quickly up to speed

Custom Cables

Example **custom** cables **designed** using the **Cable Design Tool**

Custom Backshells

Pickering can design and manufacture backshells in high-grade anodized aluminium, in any size and in any shape. LEDs can be provided.

Custom backshells can be ordered from low to medium quantities and provided in a turnaround time of just a few days.

3D Printing

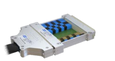
Pickering offer concept exploration, rapid prototyping, pre-production and even small scale production of 3D printed products.

We can print from your models or design from scratch. A wide range of printing materials are available.

Breadboard Blocks

Pickering offer Breadboard blocks allowing the ability to place various components and terminals into your cable. They can be fitted between our PXI/LXI modules and standard cables, or form part of your own custom cable.

The breadboard can be fully enclosed, or have a removable cover to allow access to the components and terminals.



MASS INTERCONNECT

Pickering recommends the use of a mass interconnect solution when an Interchangeable Test Adapter (ITA) is required to be used with a PXI based test system. All of our PXI modules are fully supported by both MacPanel and VPC mass interconnect solutions.

MAC-PANEL Interconnect Solutions
www.macpanel.com

VPC Virginia Panel Corporation
www.vpc.com

#Notes: Most standard cables are of screened construction with a cable clamp in the connector backshell. Unterminated cables are labelled/coded to the connector pins.

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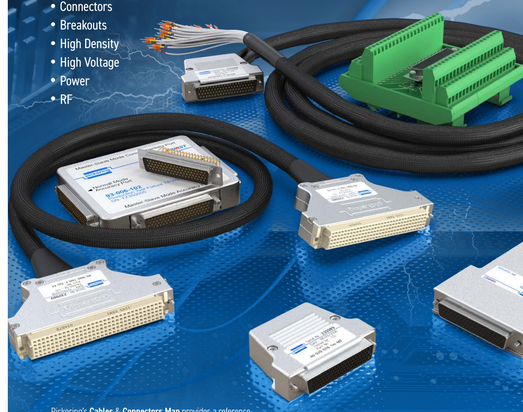
Cables & Connectors Map

- **1200+** Connection solutions
- Cable Assemblies
- Connectors
- Breakouts
- High Density
- High Voltage
- Power
- RF



Pickering's **Cables** & **Connectors Map** provides a reference to our range of **1200+** range of connection solutions.

For information on our range of **PXI** and **PXIe Switch modules**, including their basic specifications and cabling options, please see our **PXI Switching** Map.

For information on our range of Simulation and Instrumentation products, please see our **PXI Simulation** & **Instrumentation** Map.

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Cables & Connectors Map

Where to Select a Connection Solution

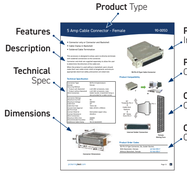
Connection solutions for your application can be selected either using this map, via the data sheet for your pin count and connector type (see example below), or via our website at **pickeringtest.com/cables-connectors**.

We offer:

- **Connectors.** PCB Interfacing and Cable connectors of the appropriate gender provide a method of mating with the front panel connector of a selected device. These are ideal for systems where low purchase cost is required and labor is available to undertake the wiring operation. Many connectors have backshells to protect the connecting wires.
- **Connector Blocks.** A connector block (breakout box) provides an interface between a mating connector and a set of screw operated terminals. The use of breakout boxes simplifies the wiring operation to the cable and most connector blocks include a cable grip to ensure connections are not stressed.
- **Cable Assemblies.** A range of cables with a mating connector(s). Cables can also be made available to convert between one connector style and another - for example converting between a connector on the front of PXI or PCI module and 50-Pin Ribbon Cable connectors.

Ordering and Pricing Information

The connector data sheet provides the order code for the connection solution and pricing can be found on our web site.



Datasheets

The cable and connector options we supply are fully detailed in our Product Datasheets. Go to **pickeringtest.com** to download your copy.

Switching | Simulation | Programmable Resistors | Custom Design | Software | Reed Relays | Connectivity & Cables

Direct Sales & Support Offices

Pickering Interface Inc., USA
Tel: +1 781 891 1710 | e-mail: emsales@pickeringtest.com

Pickering Interface Ltd., UK
Tel: +44 (0)1255 687900 | e-mail: sales@pickeringtest.com

Pickering Interface Sarl, France
Tel: +33 1 72 58 77 00 | e-mail: frsales@pickeringtest.com

Pickering Interface GmbH, Germany
Tel: +49 89 125 903 160 | e-mail: desales@pickeringtest.com

Pickering Interface AB, Sweden
Tel: +46 760 69 88 69 | e-mail: nlsales@pickeringtest.com

Pickering Interface s.r.o., Czech Republic
Tel: +420 558 707 613 | e-mail: desales@pickeringtest.com

Pickering Interface, China
Tel: +86 4008 799 765 | e-mail: chinasales@pickeringtest.com

Pickering Interface, Malaysia
e-mail: asiansales@pickeringtest.com

Local Sales Agents in Australia, Belgium, Canada, China, India, Indonesia, Israel, Italy, Japan, Malaysia, Netherlands, New Zealand, Philippines, Singapore, South Africa, South Korea, Spain, Taiwan, Thailand, Turkey and Vietnam.

Lit-020, Mar 2025

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