

# 3M™ Mini-D (MDR) Connectors and Accessories



## MINI D RIBBON (MDR) CONNECTORS

- Wiper-on-wiper contact for reliable repetitive plugging
- Interface latch design for connection stability
- Withstanding voltage: 500 Vrms for 1 minute
- Insulation material: Beige glass reinforced polyester (PCT), UL94V-0
- Current rating: 1A
- RoHS Compliant per 3M documentation



### .050" Boardmount Thru-Hole Vertical Shielded Receptacles

- Rugged die cast metal case construction
- Screw lockdown for reliable PCB retention
- IEEE 1284C Interface as a 36 contact connector
- Contact material: Copper alloy (C521)
- Plating: 30µ" Gold
- Temperature rating: -20°C to +85°C
- M2.5 thread with screw lock

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
517-10214-6212PC	10214-6212PC	A	14	4.07	3.81	3.51	3.42
517-10220-6212PC	10220-6212PC	A	20	4.28	4.00	3.69	3.59
517-10226-6212PC	10226-6212PC	A	26	4.93	4.14	3.83	3.74
517-10236-6212PC	10236-6212PC	A	36	4.10	3.69	3.46	3.43
517-10240-6212PC	10240-6212PC	A	40	5.30	4.46	4.11	4.02
517-10250-6212PC	10250-6212PC	A	50	5.62	4.72	4.37	4.26
517-10268-6212PC	10268-6212PC	A	68	5.37	5.25	4.80	4.43
517-10280-6212PC	10280-6212PC	A	80	7.45	7.20	6.90	6.68
517-102A0-6212PC	102A0-6212PC	A	100	7.75	7.60	7.38	7.15

### .050" Boardmount Compliant Pin Vertical Shielded Receptacles

- Rugged die cast metal case construction
- Contact material: Copper alloy (C521)
- Plating: 30µ" Gold
- Temperature rating: -20°C to +85°C
- M2.5 thread

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	1	25	50	100
517-10214-R21TS	10214-R21TS	B	14	8.69	7.31	6.77	6.60
517-10226-R21TS	10226-R21TS	B	26	8.73	7.34	6.77	6.62
517-10236-R21TS	10236-R21TS	B	36	9.19	7.73	7.16	6.98

### .050" Surface Mount Right Angle Die Cast Shielded Connector

- Weight-balanced die-cast body resists tipping during automated soldering operations
- MDR digital LCD interface as a 20 or 26 contact connector
- Ultra-low signal skew for high data rate transmission
- Suitable for thumbscrew attach
- Tail length: .134mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	1	25	50	100
517-10226-1S10PE	10226-1S10PE	C	26	7.51	7.11	6.96	6.75

### .050" Surface Mount Right Angle Shielded Receptacles

- Ultra-low signal skew for high data rate transmission
- MDR digital LCD interface as a 20 or 26 contact connector
- Contact material: Copper alloy (C521)
- Plating: 20µ" Gold
- Temperature rating: -55°C to +105°C
- Tail length: .165mm

\* Plating: 30µ" Gold; Tail length: .15mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	1	25	50	100
* 517-10226-1A10PE	10226-1A10PE	C	26	5.20	4.30	4.21	4.08
517-10214-1210PE	10214-1210PE	C	14	7.57	6.37	6.13	5.95
517-10220-1210PE	10220-1210PE	C	20	7.74	6.51	6.26	6.07
517-10226-1210PE	10226-1210PE	C	26	8.05	6.77	6.50	6.30
517-10250-1210PE	10250-1210PE	C	50	9.73	8.19	7.88	7.65

### .050" Surface Mount Vertical Shielded Receptacle

- IEEE 1284C Interface as a 36 contact connector
- Contact material: Copper alloy (C521)
- Plating: 30µ" Gold
- Temperature rating: -55°C to +105°C
- Tail length: .091mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	1	25	50	100
517-10226-2210PE	10226-2210PE	D	26	8.09	7.56	6.96	6.82

### .050" IDC Wiremount Panel Mount Shielded Receptacles

- Wire Accommodation: 28AWG stranded, 30 AWG solid
- IEEE 1284C Interface as a 36 contact connector
- Contact material: Beryllium copper (C172)
- Plating: 30µ" Gold
- Temperature rating: -20°C to +85°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	1	25	50	100
517-10220-0210EC	10220-0210EC	E	20	7.25	7.20	6.91	6.70
517-10226-0210EC	10226-0210EC	E	26	8.09	8.08	7.48	7.25
517-10250-0210EC	10250-0210EC	E	50	10.23	10.16	9.75	9.45

### .050" Shielded Solder Plug Connectors

- Solder cup termination requires no special tooling
- Accepts a wide variety of discrete wire (24 to 30AWG)
- Contact material: Copper alloy (C521)
- Plating: 20µ" Gold
- Temperature rating: -55°C to +105°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	1	25	50	100
517-10114-3000PE	10114-3000PE	F	14	5.80	5.20	5.10	4.83
517-10120-3000PE	10120-3000PE	F	20	6.21	5.69	5.42	5.25
517-10126-3000PE	10126-3000PE	F	26	6.81	6.12	6.05	5.87
517-10136-3000PE	10136-3000PE	F	36	8.26	6.94	6.43	6.27
517-10150-3000PE	10150-3000PE	F	50	9.34	7.85	7.27	7.09

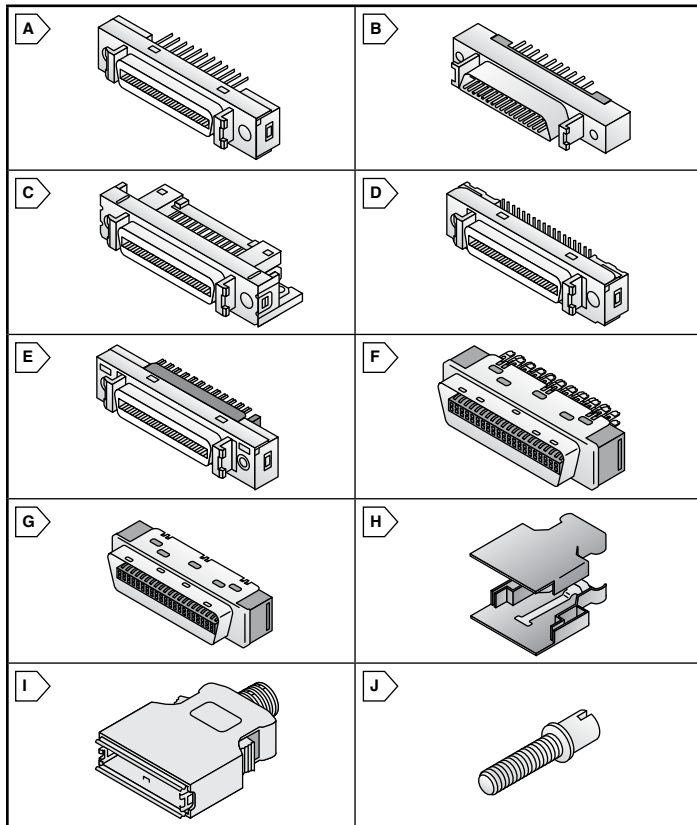
### .050" IDC Wiremount Shielded Plug Connectors

- MDR digital LCD interface as a 20 or 26 contact connector
- IEEE 1284C Interface as a 36 contact connector
- Wire accommodation: 28AWG stranded, 30AWG solid
- Contact material: Beryllium copper (C172)
- Plating: 30µ" Gold
- Temperature rating: -20°C to +85°C

\* 26AWG Wire

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	1	25	50	100
517-10114-6000EC	10114-6000EC	G	14	4.87	4.09	3.79	3.69
517-10120-6000EC	10120-6000EC	G	20	4.52	4.23	3.90	3.79
517-10126-6000EC	10126-6000EC	G	26	5.20	4.37	4.05	3.92
517-10136-6000EC	10136-6000EC	G	36	5.61	5.25	4.83	4.70
517-10140-6000EC	10140-6000EC	G	40	5.27	5.25	5.02	4.86
517-10150-6000EC	10150-6000EC	G	50	6.19	5.21	5.20	5.19
517-10168-6000EC	10168-6000EC	G	68	7.07	5.98	5.97	5.37
* 517-10168-6010EC	10168-6010EC	G	68	5.30	5.25	5.05	4.89
517-10180-6000EC	10180-6000EC	G	80	7.22	7.02	6.80	6.52
517-101A0-6000EC	101A0-6000EC	G	100	9.44	8.92	8.79	8.53



## MINI D RIBBON (MDR) JUNCTION SHELLS AND ACCESSORIES

### Non-Shielded Plastic Solder Plug Junction Shells

- Compatible with 101xx-3000PE plug connectors
- Design features durable two-piece backshell with ground strap

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
517-10314-52F0-008	10314-52F0-008	H	14	7.69	6.47	5.95	5.30
517-10320-52F0-008	10320-52F0-008	H	20	7.39	6.47	5.97	5.54
517-10326-52F0-008	10326-52F0-008	H	26	8.14	6.85	6.31	6.18
517-10336-52F0-008	10336-52F0-008	H	36	8.24	6.93	6.38	5.74
517-10350-52F0-008	10350-52F0-008	H	50	8.47	7.12	6.55	6.42

### Black Non-Shielded Shell Kits

- Compatible with 101xx-3000PE plug connectors
- Durable two sided shell without grounding strap

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	1	25	50	100
517-10320-52A0-008	10320-52A0-008	H	20	7.33	6.69	6.07	5.44
517-10336-52A0-008	10336-52A0-008	H	36	6.86	6.27	5.59	4.95
517-10350-52A0-008	10350-52A0-008	H	50	7.79	7.12	6.75	5.62

### Plastic Shielded Junction Shells for Round Cable

- Compatible with 101xx-6000EC plug connectors
- Durable one piece plastic over two piece metal junction shell for straight round cable
- Quick release latching mechanism

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	1	25	50	100
517-10314-3210-000	10314-3210-000	I	14	4.32	4.05	3.60	3.24
517-10320-3210-000	10320-3210-000	I	20	5.21	4.92	4.65	4.26
517-10326-3210-000	10326-3210-000	I	26	6.23	5.53	4.98	4.53
517-10336-3210-000	10336-3210-000	I	36	3.90	3.72	3.57	3.42
517-10350-3210-000	10350-3210-000	I	50	7.43	6.60	5.94	5.40
517-10368-3210-000	10368-3210-000	I	68	6.01	5.59	5.09	4.73

### Jack Sockets

- Package of Two
- Thread Size: M2.5/#4-40
- Stainless Steel
- 2.5 inch/lbs.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Thread Length	Socket Length	Price Each			
					1	25	50	100
517-3341-13	3341-13-KIT	J	.35"	.27"	6.18	5.83	5.52	5.23
517-3341-31	3341-31-KIT	J	.40"	.12"	3.82	3.49	3.31	3.13
517-3341-32	3341-32-KIT	J	.50"	.27"	6.12	5.14	4.74	4.64