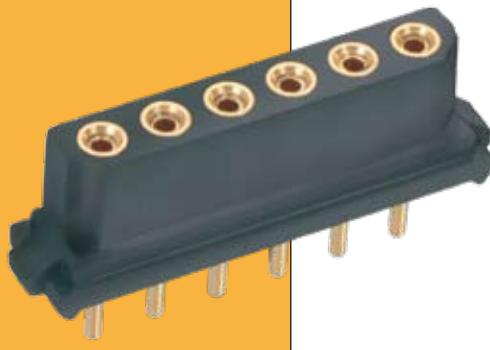


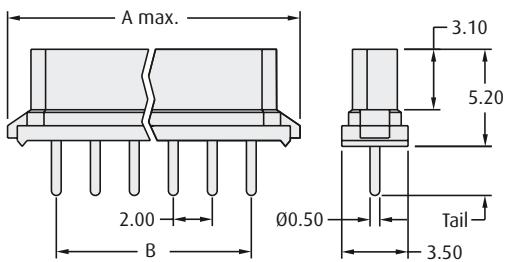
Datamate Connectors

Female Vertical PC Tail

- Polarised mouldings.
- For British Standard versions see pages 14 to 15.
- Dummy contacts for additional polarisation use order code M80-023.
- Mates with male connectors on pages 21 to 25.



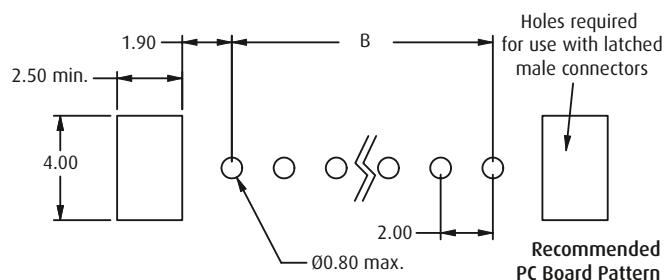
SINGLE ROW



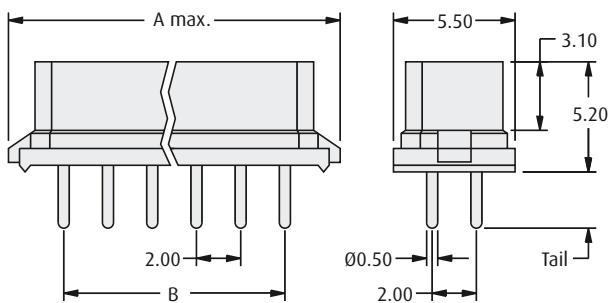
CALCULATION

A $B + 5.15$

B (Total No. of contacts - 1) x 2



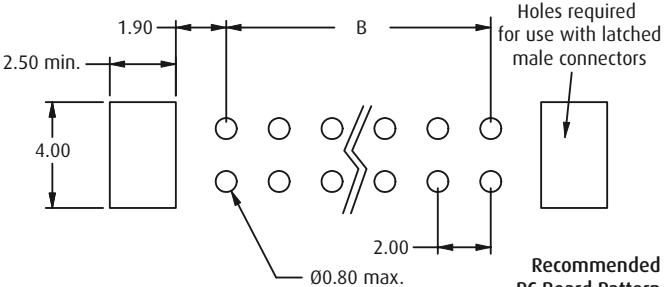
DOUBLE ROW



CALCULATION

A $B + 5.15$

B Total No. of contacts - 2



HOW TO ORDER

M80 - XXX XX XX

SERIES CODE

RoHS	Non-RoHS	
840	897	Single row (3mm tail)
850	887	Double row (3mm tail)
790	790	Single row (4.5mm tail)
770	770	Double row (4.5mm tail)

FINISH

01	Gold + Tin/Lead	
05	Gold	
42	Gold + Tin	
45	Gold	

TOTAL NO. OF CONTACTS

Single Row **02 to 07, 17, 22**

Double Row **04, 06, 08, 10, 12, 14, 16, 18, 20, 26, 34, 44**

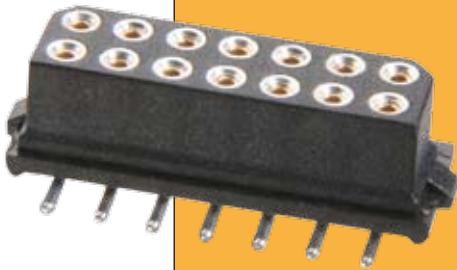
All dimensions in mm.

www.harwin.com



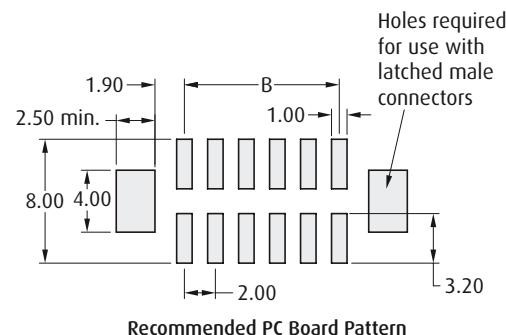
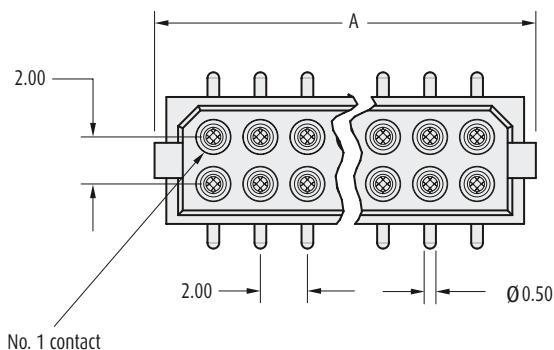
Datamate Connectors

Female Vertical Surface Mount

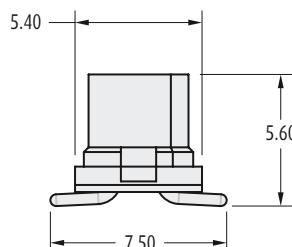
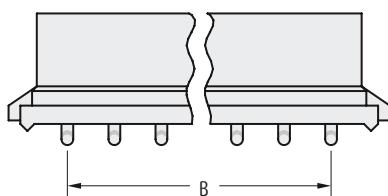


- Optional pick and place pad.
- Contact datamate@harwin.com for tape & reel options.
- Mates with male connectors on pages 21 to 25.
- Gull wing SMT tails simplify inspection process.

DOUBLE ROW



Recommended PC Board Pattern



CALCULATION

A	$B + 5.15$
B	Total No. of contacts - 2

HOW TO ORDER

M80 - 681 XX XX P

SERIES CODE

PICK AND PLACE CAP

BLANK	No cap
P	Pick and place cap

TOTAL NO. OF CONTACTS

04, 06, 08, 10, 12, 14, 16, 18, 20, 26, 34, 44

FINISH

01	Gold + Tin/Lead	
42	Gold + Tin	
45	Gold	

www.harwin.com

All dimensions in mm.



HARWIN

Datamate Connectors

Female Crimp

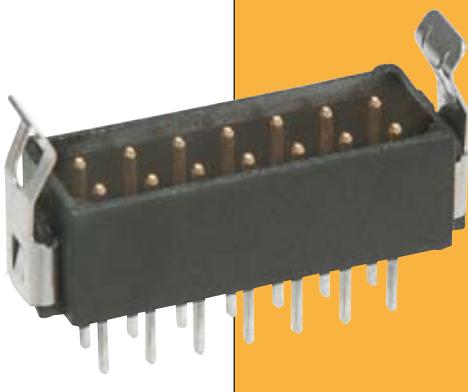
- Part numbers are for housings and the equivalent number of contacts.
- Contacts are rear insertable.
- For British Standard versions see pages 14 to 15.
- Hoods & cable assembly service available – contact datamate@harwin.com.
- Spare contacts are available – see page 16.



SINGLE ROW	CALCULATION		DOUBLE ROW	CALCULATION	
	A	$B + 5.15$		A	$B + 5.15$
	B	$(\text{Total No. of contacts} - 1) \times 2$		B	Total No. of contacts - 2
TOOLS	WIRE STRIPPING DETAILS				
Recommended Crimp Tool – M22520/2-01 Positioner – T5747 Contact Insertion/Removal Tool – Z80-280 See pages 77 to 79 ▶ Instruction sheets available at www.harwin.com/downloads/instructions					
HOW TO ORDER					
SERIES CODE TYPE 888 Small Bore, Double Row 889 Large Bore, Double Row 898 Small Bore, Single Row 899 Large Bore, Single Row		M80 - XXX XX 05		FINISH 01 Gold + Tin 05 Gold	
TOTAL NO. OF CONTACTS Single Row 02 to 07, 17 Double Row 04, 06, 08, 10, 12, 14, 16, 18, 20, 26, 34					

All dimensions in mm.

www.harwin.com

Datamate Connectors

Male Vertical PC Tail

- Polarised mouldings.
- Fully shrouded contacts.
- Mates with female connectors shown on pages 18 to 20.
- For British Standard versions see pages 14 to 15.
- Can be used with Strain Relief straps: order code M80-0030006.

SINGLE ROW	CALCULATION	DOUBLE ROW	CALCULATION
	A B + 5.60		A B + 5.60
	B (Total No. of contacts - 1) x 2		Total No. of contacts - 2
Friction lock or latch (when fitted) adds 0.5mm to overall length 'A'		Friction lock or latch (when fitted) adds 0.5mm to overall length 'A'	
 Recommended PC Board Pattern		 Recommended PC Board Pattern	

HOW TO ORDER

M80 - XXX XX XX

SERIES CODE

RoHS	Pb	Non-RoHS	Pb
Single	Double	Single	Double
852	854	879	869
Unlatched (3mm tail)			
882	853	877	867
Latched (3mm tail)			
881	863	805	815
Friction latched (3mm tail)			
752	754	752	754
Unlatched (4.5mm tail)			
782	753	782	753
Latched (4.5mm tail)			
781	763	781	763
Friction latch (4.5mm tail)			

FINISH

05	Gold	Pb
22	Gold + Tin/Lead	Pb
42	Gold + Tin	Pb
45	Gold	Pb

TOTAL NO. OF CONTACTS

Single Row	02 to 07, 17, 22
Double Row	04, 06, 08, 10, 12, 14, 16, 18, 20, 26, 34, 44

www.harwin.com

All dimensions in mm.



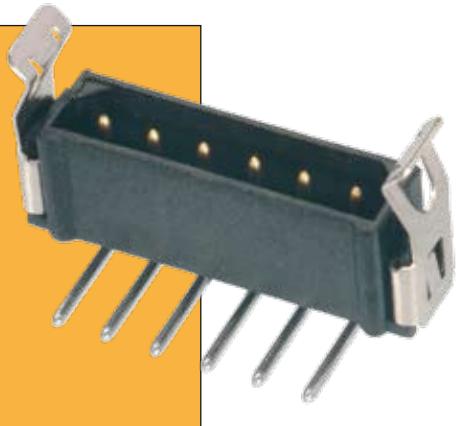
HARWIN

Datamate Connectors

Male Horizontal PC Tail

- Mates with female connectors on pages 18 to 20.
- For British Standard versions see pages 14 to 15.
- Supplied with strain relief straps:

Order code M80-0030006.



SINGLE ROW	CALCULATION	DOUBLE ROW	CALCULATION
Friction lock or latch (when fitted) adds 0.5mm to overall length 'A'	A B + 5.60 B (Total No. of contacts - 1) x 2	Friction lock or latch (when fitted) adds 0.5mm to overall length 'A'	A B + 5.60 B Total No. of contacts - 2
 Recommended PC Board Pattern	 Recommended PC Board Pattern	 View of strap in place	

HOW TO ORDER

M80 - XXX XX XX

SERIES CODE

RoHS	Pb	Non-RoHS	Pb
Single	Double	Single	Double
843	841	878	868
Unlatched (3mm tail)			
842	851	876	866
Latched (3mm tail)			
846	839	804	814
Friction latched (3mm tail)			
793	791	793	791
Unlatched (4.5mm tail)			
792	771	792	771
Latched (4.5mm tail)			
796	789	796	789
Friction latch (4.5mm tail)			

FINISH

05	Gold	Pb
22	Gold + Tin/Lead	Pb
42	Gold + Tin	Pb
45	Gold	Pb

TOTAL NO. OF CONTACTS

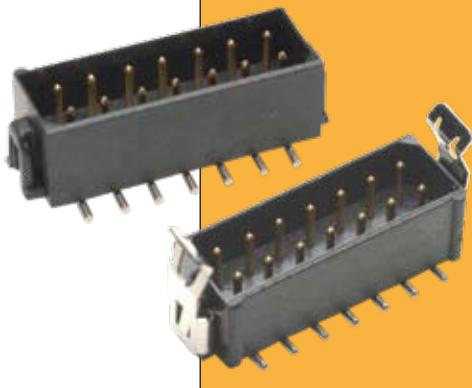
Single Row	02 to 07, 17, 22
Double Row	04, 06, 08, 10, 12, 14, 16, 18, 20, 26, 34, 44

Strain relief straps are supplied with all horizontal pc tail connectors. There is no need to order separately. Straps are located at the end of each connector.

All dimensions in mm.

www.harwin.com



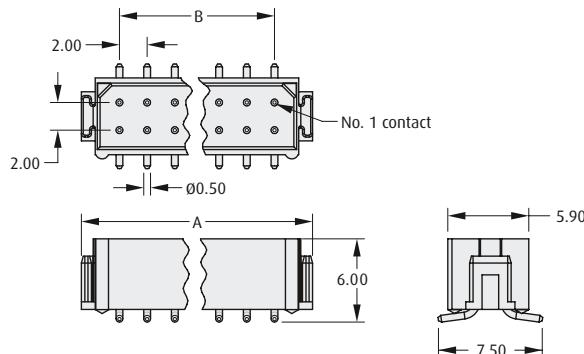


Datamate Connectors

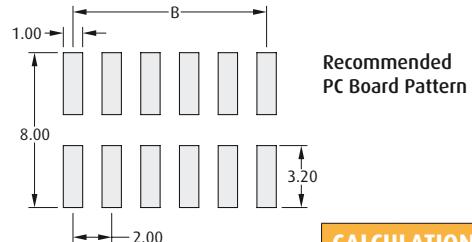
Male Vertical Surface Mount

- Contact datamate@harwin.com for tape & reel options.
- Optional pick and place cap.
- Mates with female connectors on pages 18 to 20.
- Gull wing SMT tails simplify inspection process.

UNLATCHED



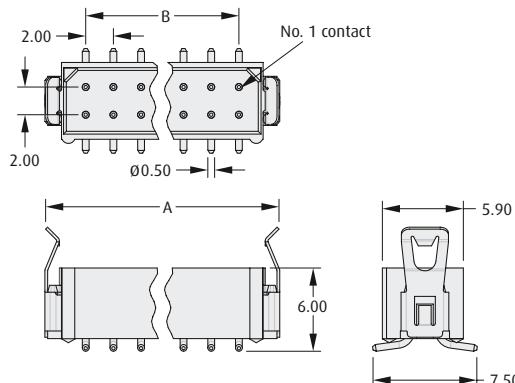
Friction lock or latch (when fitted) adds 0.5mm to overall length 'A'



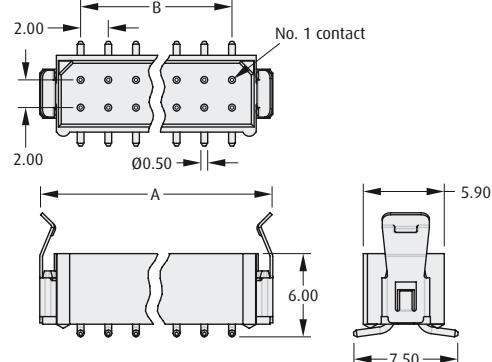
CALCULATION

A	$B + 5.60$
B	Total No. of contacts - 2

LATCHED



WITH FRICTION LOCK



HOW TO ORDER

M80 - 82 X XX XX P

SERIES CODE

TYPE

6	Unlatched
7	Friction latched
8	Latched

TOTAL NO. OF CONTACTS

04, 06, 08, 10, 12, 14, 16, 18, 20, 26, 34, 44

PICK AND PLACE CAP

BLANK	No cap
P	Pick and place cap

FINISH

22	Gold + Tin/Lead	
42	Gold + Tin	
45	Gold	

www.harwin.com

All dimensions in mm.

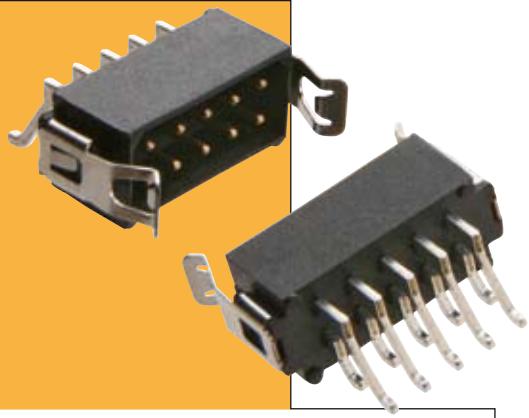


HARWIN

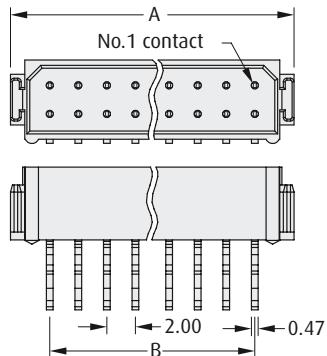
Datamate Connectors

Male Horizontal Surface Mount

- >Contact datamate@harwin.com for tape & reel options.
- Strain relief straps M80-0030006 supplied with these connectors.
- Mates with female connectors shown on pages 18 to 20.
- Stamped contact ensures co-planarity.



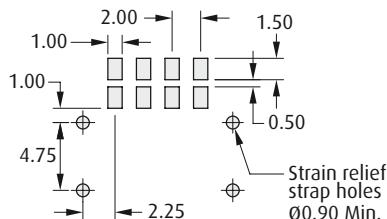
UNLATCHED



Friction lock or latch (when fitted) adds 0.5mm to overall length 'A'

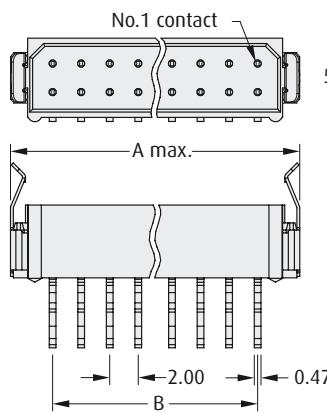
CALCULATION

A	$B + 5.60$
B	Total No. of contacts - 2

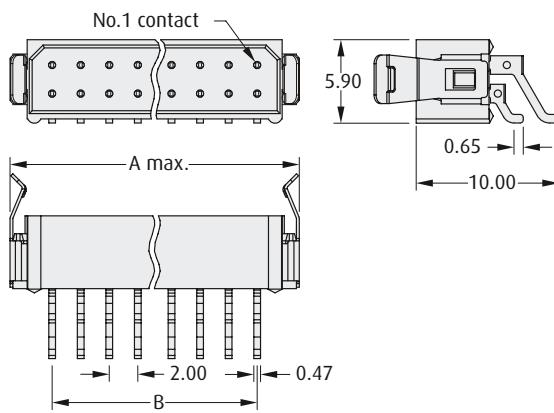


Recommended PC Board Pattern

LATCHED



WITH FRICTION LOCK



HOW TO ORDER

M80 - 66 X XX XX

SERIES CODE

TYPE

5 Unlatched

6 Latched

7 Friction latched

FINISH

22 Gold + Tin/Lead

42 Gold + Tin

TOTAL NO. OF CONTACTS

04, 06, 08, 10, 12, 14, 16, 18, 20, 26, 34, 44

Strain relief straps are supplied with all horizontal connectors. There is no need to order separately. Straps are located at the end of each connector.

All dimensions in mm.

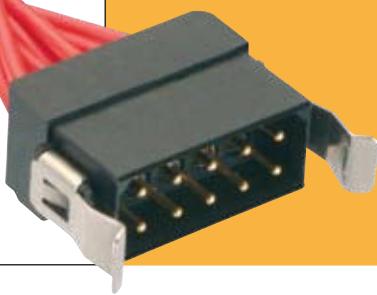
www.harwin.com



Datamate Connectors

Male Crimp

- Mates with female connectors shown on pages 18 to 20.
- Contacts are rear insertable.
- Part numbers are for housings and the equivalent number of contacts.
- Back potting & cable assembly service available, contact datamate@harwin.com.
- Please contact datamate@harwin.com for other size availability.
- Spare contacts available, see page 17.



SINGLE ROW	CALCULATION	DOUBLE ROW	CALCULATION								
Friction lock or latch (when fitted) adds 0.5mm to overall length 'A'	<table border="1"> <tr> <td>A</td><td>B + 5.60</td></tr> <tr> <td>B</td><td>(Total No. of contacts - 1) x2</td></tr> </table>	A	B + 5.60	B	(Total No. of contacts - 1) x2	Friction lock or latch (when fitted) adds 0.5mm to overall length 'A'	<table border="1"> <tr> <td>A</td><td>B + 5.60</td></tr> <tr> <td>B</td><td>Total No. of contacts - 2</td></tr> </table>	A	B + 5.60	B	Total No. of contacts - 2
A	B + 5.60										
B	(Total No. of contacts - 1) x2										
A	B + 5.60										
B	Total No. of contacts - 2										
TOOLS	WIRE STRIPPING DETAILS										
Recommended Crimp Tool - M22520/2-01 Positioner - T5747 Contact Insertion/Removal Tool - Z80-280 See pages 77 to 79 											
HOW TO ORDER											
SERIES CODE	M80 - XXX XX XX	FINISH									
TYPE		05	Gold (Others)								
Single		45	Gold (M80-810, M80-811 only)								
806	810	Small bore, Unlatched									
807	811	Large bore, Unlatched									
808	812	Small bore, Latched									
809	813	Large bore, Latched									
883	816	Small bore, Friction Latch									
884	817	Large Bore, Friction Latch									
		TOTAL NO. OF CONTACTS									
02, 03		Single Row									
04, 06, 08, 10, 12		Double Row									

www.harwin.com

All dimensions in mm.


HARWIN

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Harwin](#):

[M80-8260442](#) [M80-8261642](#) [M80-8261242](#) [M80-8261842](#)