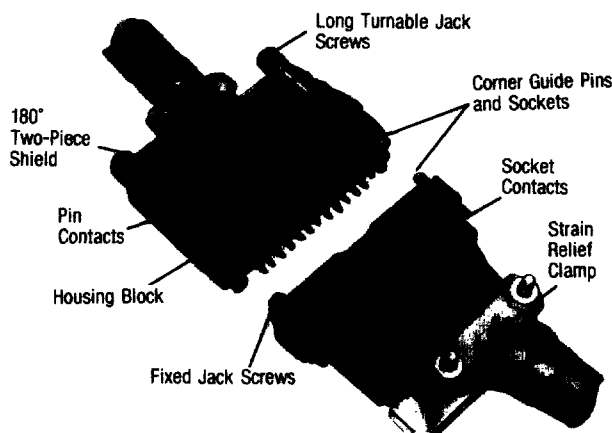


Wire-to-Wire Connectors

AMP "M" Series Connectors

During the past ten years millions of "M" Series products have proven their quality, reliability and economy in commercial and military applications. "M" Series connectors have been used successfully in diverse fields of application ranging from sophisticated computers to rugged truck transmissions. A variety of contacts, including screw machine, stamped and formed makes application possible in all major industries. Connector blocks for these contacts are molded in either phenolic and in configurations ranging from six to one hundred and sixty positions. Applying tooling, hardware and accessory items for all connectors makes "M" Series the most versatile and complete product line in the industry.



Contacts

Type II, Size#16—Pin Diameter 1.5mm (Current rating: 13.0 ampere)



Pin



Socket

Wire Range		Wire Ins. Dia.	Finish	Part No. of Loose Piece Contact		Part No. of Hand Tool
AWG	mm ²			Pin	Socket	
32-30	0.03~0.05	0.76~1.22	Sel. Gold/Nickel	201555-1	201554-1	90118
28-24	0.08~0.22	1.22~1.65		201334-1	201332-1	or
		0.89~1.40		201611-1	201613-1	45099
24-20	0.20~0.56	1.40~2.16		201330-1	201328-1	90118
		1.02~1.57		201578-1	201580-1	45099 or 90281-1*

* Spring material is stainless steel, contact body material is copper alloy
Insertion Tool No.: 200893-2. Extraction Tool No.: 305183-J.

Type III(+), Size #16—Pin Diameter 1.57mm (Current rating: 13.0 ampere)



Pin



Socket

Wire Range		Wire Ins. Dia.	Finish*	Part Number of Contact				Part No. of Hand Tool	Part No. of Extraction Tool
AWG	mm ²			Strip Form		Loose Piece			
				Pin	Socket	Pin	Socket		
26-24	0.12~0.22	0.89~1.40	Sel. Gold/Nickel	170249-2	170251-2	170250-1	170252-1	755327-1 or 90277-1	
			Gold	66106-5	66108-5	66107-1	66109-1		
			Tin	66106-6	66108-6	66107-2	66109-2		
24-20	0.20~0.56	1.02~2.03	Sel. Gold/Nickel	170245-2	170247-2	170246-1	170248-1	755327-1 or 90067 90277-1	305183-J
			Gold	66102-6	66104-6	66103-1	66105-1		
			Tin	66102-7	66104-7	66103-2	66105-2		
18-16	0.75~1.42	2.03~2.54	Sel. Gold/Nickel	170241-2	170243-2	170242-1	170244-1	90067	
				66098-6	66100-6	66099-1	66101-1		
			Tin	66098-7	66100-7	66099-2	66101-2		

* Spring material is stainless steel.

† For simple repair and servicing, we recommend the use of Tool P/N 90277-1 for #26-10 AWG wire.
Product specification: 108-10001

Wire-to-Wire Connectors AMP "M" Series Connector Kits

No. of Pos.	Part No. of Connector Kit	Part No. of Hardware Kit						
		Block (1 ea.)	Fixed Screw (1 ea.)	Turnable Screw (1 ea.)	Guide Pin (2 ea.)	Cable Clamp (1 ea.)	Shield (1 ea.)	Pin Hood (1 ea.)
14	171315-1*	DM(Wire Side)		170992-1(SS Male)				
		201355-1		170993-1(SS Female)				
	171315-3*					171017-1(S)		
	171316-1	M (Panel Side)	170986-1(Male)					
	171316-2	201298-1	170987-1(Female)					
20	171316-3					171017-1(S)		
	171317-1*	DM(Wire Side)		170992-1(SS Male)				
	171317-2*	201356-1		170993-1(SS Female)				170916-2(In./Op.)
	171317-3*					171027-1(S)		
	171318-1	M (Panel Side)	170986-1(Male)					
26	171318-2	200346-2	170987-1(Female)					170916-2(In./Op.)
						171027-1(S)		
	171319-4*	DM(Wire Side)		170992-1(SS Male)		170926-1(S)		171446-2(Ex./Cl.)
	171319-5**	201359-1		170993-1(SS Female)			171060-1(S, 180°)	
	171319-7**			170990-1(L Male)			171152-1(L, 180°)	
34	171320-1			170991-1(L Female)				
	171320-2	M (Panel Side)	170986-1(Male)					171446-2(Ex./Cl.)
	171320-3	200512-2	170987-1(Female)					
	171320-4					170926-1(S)		171446-2(Ex./Cl.)
	171321-4***	DM(Wire Side)		170992-1(SS Male)	171082-1(Pin)	171037-1(S)		170913-2(Ex./Cl.)
41	171321-5**	201357-1		170993-1(SS Female)	171083-1(Socket)		171032-1(S, 180°)	
	171321-7**			170990-1(L Male)	170948-2(Pin)		171034-1(L, 180°)	
	171322-1			170991-1(L Female)	170949-2(Socket)			
	171322-2	M (Panel Side)	170986-1(Male)		171082-1(Pin)			170913-2(Ex./Cl.)
	171322-3	200838-2	170987-1(Female)		171083-1(Socket)	171037-1(S)		170913-2(Ex./Cl.)
50	171322-4							
	171323-5**	DM(Wire Side)		170992-1(SS Male)				171150-2(Ex./Op.)
	171323-7**	202135-2		170993-1(SS Female)			202160-1(S, 180°)	
	171324-1	M (Panel Side)	170986-1(Male)					
		201302-1	170987-1(Female)					171150-2(Ex./Cl.)
50	171325-4***	DM(Wire Side)		170992-1(SS Male)	171082-1(Pin)	171057-1(S)		171207-2(Ex./Cl.)
	171325-5**	201358-1		170993-1(SS Female)	171083-1(Socket)		171050-2(S, 180°)	
	171325-7**			170990-1(L Male)	170948-2(Pin)		171052-2(L, 180°)	
	171326-1			170991-1(L Female)	170949-2(Socket)			
	171326-2	M (Panel Side)	170986-1(Male)		171082-1(Pin)			171207-2(Ex./Cl.)
50	171326-3	200277-2	170987-2(Female)		171083-1(Socket)	171057-1(S)		
	171326-4							171207-2(Ex./Cl.)

Contact part numbers marked ■ on wire side and panel side cannot be mated together.

Abbreviations in parentheses after part numbers stand for: SS=short short; S=short; L=Long; EXL=extra long; Open/Inside=Open end type for inside connection; Open/outside=Open end type for outside connection; Closed/outside=Closed end type for outside connection.

Kit part numbers marked * are supplied with all components assembled and packaged.

Those marked ** have movable screws assembled into the block, and those marked *** have movable screws and pin hood assembled into the block.

Applicable contacts include Type II #16 (long), Type III(+) #16, Type IV and subminiature Coaxicon (Multimate).

Wire to-Wire Connectors AMP "M" Series Connector Kits

No. of Pos.	Part No. of Connector Kit	Part No. of Hardware Kit						
		Block (1 ea.)	Fixed Screw (1 ea.)	Turnable Screw (1 ea.)	Guide Pin (2 ea.)	Cable Clamp (1 ea.)	Shield (1 ea.)	Pin Hood (1 ea.)
75	■171327-4**	DM(Wire Side) 201310-1	—	170992-1(SS Male)	171084-1(Pin)	171077-1(S)	—	171212-2(Ex./Cl.)
	171327-5**			170993-1(SS Female)	171085-1(Socket)			
	171327-7**			170994-1(EXL Male)	170970-2(Pin)			
	171328-1	M (Panel Side) 201311-1	170987-1(Female)	170995-1(EXL Female)	170971-2(Socket)	171077-1(S)	171153-1(L, 180°)	171212-2(Ex./Cl.)
	■171328-2			—	171084-1(Pin)			
	171328-3			—	171085-1(Socket)			
	■171328-4			—	—			
	—	DM(Wire Side) 201345-1	—	170992-1(SS Male)	171084-1(Pin)	171007-1(S)	—	171005-2(Ex./Cl.)
	171329-5**			170993-1(SS Female)	171085-1(Socket)			
	■171329-6***			170994-1(EXL Male)	170970-2(Pin)			
104	171330-1	M (Panel Side) 201037-1	170986-1(Male)	170995-1(EXL Female)	170971-2(Socket)	171007-1(S)	171225-1(S, 180°)	171005-2(Ex./Cl.)
	171330-3			—	—			
	■171330-4			—	—			
	—	With Turnable Screw (Wire Side) 201692-4	—	—	171218-1(Pin)	1	—	170952-2(Ex./Cl.)
	171331-5			—	171219-1(Socket)			
	171332-1			—	—			
	171332-3	With Fixed Screw (Panel Side) 201532-4	—	—	171218-1(Pin)	—	—	—
	■171332-4			—	171219-1(Socket)			
	—			—	—			
	—	With Turnable Screw (Wire Side) 202799-2	—	—	170970-2(Pin)	—	—	203744-4(Ex./Cl.)
160	—			—	170971-2(Socket)			
	—			—	—			
	CF 171334-1	With Fixed Screw (Panel Side) 202800-2	—	—	171084-1(Pin)	—	—	—
	171334-3			—	171085-1(Socket)			

Contact part numbers marked ■ on wire side and panel side cannot be mated together.

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