

TRIM TRIO Connectors

Boardmount Rectangular Connectors

Performance Characteristics

Operating Temperature: -55°C to +125°C
 (-67°F/257°F)
 Current Rating: 7,5 Amp
 Contact Resistance: $\leq 3m\Omega$
 Operating Voltage: 750V RMS
 Test Potential: 2000 VAC
 Insulation Resistance: 5000 M Ω
 Durability: 500 cycles

Materials

Connector Body: Glass-reinforced Thermoplastic
 Polarizing Hardware: Brass-nickel plated
 Contacts: High conductivity Copper alloy
 Plating: J = Gold flash over Nickel
 N = 0.75 μ Gold min over Nickel
 T = 3.5 μ Tin
 No digit = 0.4 μ Gold min over Nickel(std)

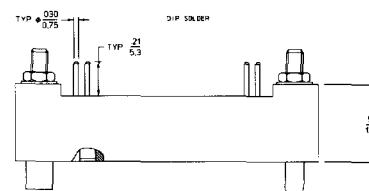
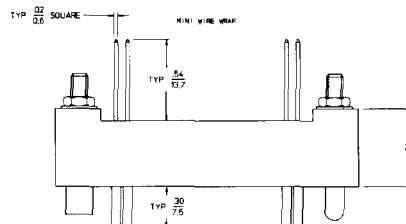
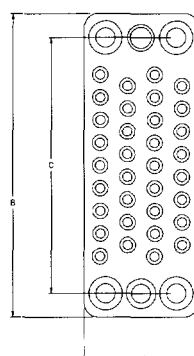
Contact Accommodation

The MSO connectors with pre-assembled contacts are intermateable only with the MSM Rectangular connectors equipped with:

- RM/RC Machined contacts
- SM /SC Formed one piece contacts
- SM/SC Formed two piece contacts

With Guide Pin and Socket

MSO-M-1E



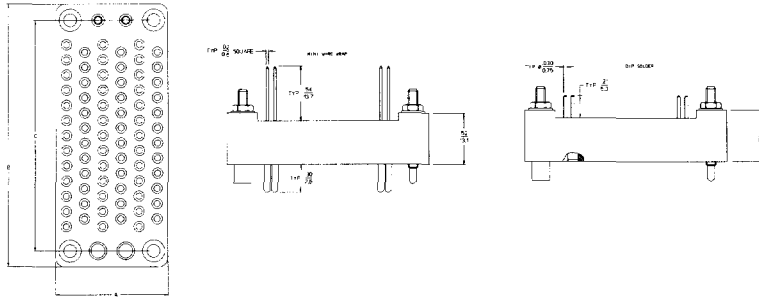
Connector Size	Catalog Number				Dimensions - Inches mm		
	Mini Wire Wrap Termination Figure 1		Dip Solder Termination Figure 2		A	B	C
	Plug	Receptacle	Plug	Receptacle			
9	MSO 9MPM 1E1	MSO 9MRM 1E1	MSO 9MPK 1E1	MSO 9MRK 1E1	.37 (9,5)	1.31 (33,3)	1.00 (25,4)
18	MSO 18MPM 1E1	MSO 18MRM 1E1	MSO 18MPK 1E1	MSO 18MRK 1E1	.60 (15,2)	1.31 (33,3)	1.00 (25,4)
34	MSO 34MPM 1E1	MSO 34MRM 1E1	MSO 34MPK 1E1	MSO 34MRK 1E1	.75 (19,0)	2.00 (50,8)	1.69 (42,8)
50	MSO 50MPM 1E1	MSO 50MRM 1E1	MSO 50MPK 1E1	MSO 50MRK 1E1	.74 (18,9)	2.59 (65,8)	2.79 (57,9)
75	MSO 75MPM 1E1	MSO 75MRM 1E1	MSO 75MPK 1E1	MSO 75MRK 1E1	.76 (19,4)	2.59 (65,8)	2.79 (57,9)

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With Fixed Jackscrew Pin and Jackscrew Socket

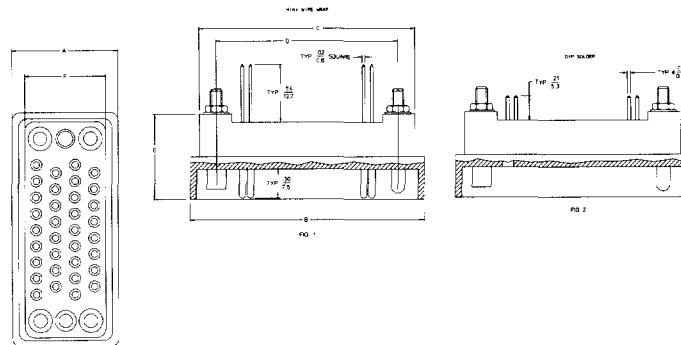
MSO-M-58E1



Connector Size	Catalog Number				Dimensions - Inches mm		
	Mini Wire Wrap Termination Figure 1		Dip Solder Termination Figure 2		A	B	C
	Plug	Receptacle	Plug	Receptacle			
9	MSO 9MPM 58E1	MSO 9MRM 58E1	MSO 9MPK 58E1	MSO 9MRK 58E1	.37 (9,5)	1.31 (33,3)	1.00 (25,4)
18	MSO 18MPM 58E1	MSO 18MRM 58E1	MSO 18MPK 58E1	MSO 18MRK 58E1	.598 (15,2)	1.31 (33,3)	1.00 (25,4)
34	MSO 34MPM 58E1	MSO 34MRM 58E1	MSO 34MPK 58E1	MSO 34MRK 58E1	.75 (19,0)	2.00 (50,8)	1.69 (42,8)
50	MSO 50MPM 58E1	MSO 50MRM 58E1	MSO 50MPK 58E1	MSO 50MRK 58E1	.74 (18,8)	2.59 (65,8)	2.79 (57,9)
75	MSO 75MPM 58E1	MSO 75MRM 58E1	MSO 75MPK 58E1	MSO 75MRK 58E1	.76 (19,4)	2.59 (65,8)	2.79 (57,9)

With Guide Pin and Guide Socket Plus Protection Shroud

MSO-M-E1A

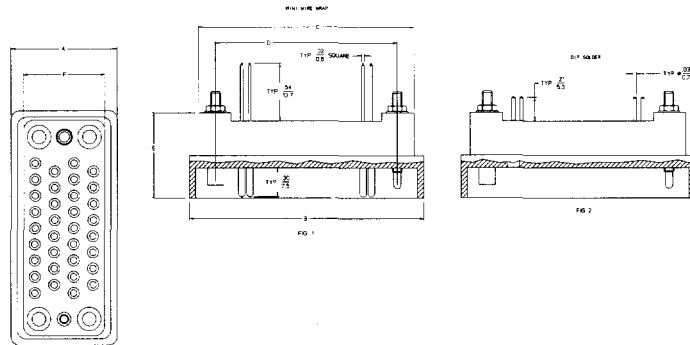


Connector Size	Catalog Number				Dimensions - Inches mm					
	Mini Wire Wrap Termination Figure 1		Dip Solder Termination Figure 2		A	B	C	D	E	F
	Plug	Receptacle	Plug	Receptacle						
9	MSO 9MPM 1E1A	MSO 9MRM 1E1A	MSO 9MPK 1E1A	MSO 9MRK 1E1A	.75 (19)	2.05 (52)	1.31 (33,3)	1.00 (25,4)	.79 (20)	.37 (9,5)
18	MSO 18MPM 1E1A	MSO 18MRM 1E1A	MSO 18MPK 1E1A	MSO 18MRK 1E1A	.75 (19)	2.05 (52)	1.31 (33,3)	1.00 (25,4)	.79 (20)	.60 (15,2)
34	MSO 34MPM 1E1A	MSO 34MRM 1E1A	MSO 34MPK 1E1A	MSO 34MRK 1E1A	.98 (25)	2.17 (55,2)	2.00 (50,8)	1.69 (42,8)	.79 (20)	.75 (19,05)

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Boardmount Rectangular Connectors

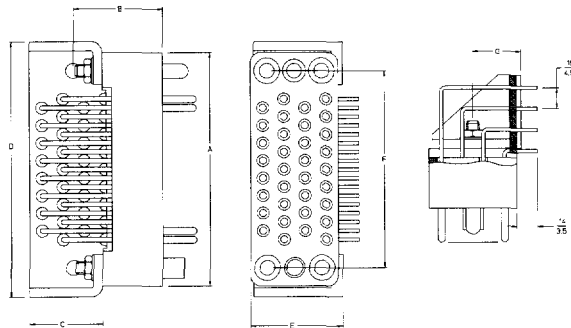
With Fixed Jackscrew Pin and Jackscrew Socket Plus Protection Shroud MSO-M-58-E1A



Connector Size	Catalog Number				Dimensions - Inches mm					
	Mini Wire Wrap Termination Figure 1		Dip Solder Termination Figure 2		A	B	C	D	E	F
	Plug	Receptacle	Plug	Receptacle						
9	MSO 9MPM 58E1A	MSO 9MRM 58E1A	MSO 9MPK 58E1A	MSO 9MRK 58E1A	.75 (19)	2.05 (52)	1.31 (33,3)	1.00 (25,4)	.79 (20)	.37 (9,5)
18	MSO 18MPM 58E1A	MSO 18MRM 58E1A	MSO 18MPK 58E1A	MSO 18MRK 58E1A	.75 (19)	2.05 (52)	1.31 (33,3)	1.00 (25,4)	.79 (20)	.59 (15,2)
34	MSO 34MPM 58E1A	MSO 34MRM 58E1A	MSO 34MPK 58E1A	MSO 34MRK 58E1A	.98 (25)	2.17 (55,2)	2.00 (50,8)	1.69 (42,8)	.79 (20)	.75 (19,05)

90° Version with Guide Pin and Guide Socket

MSO-M-G1E1



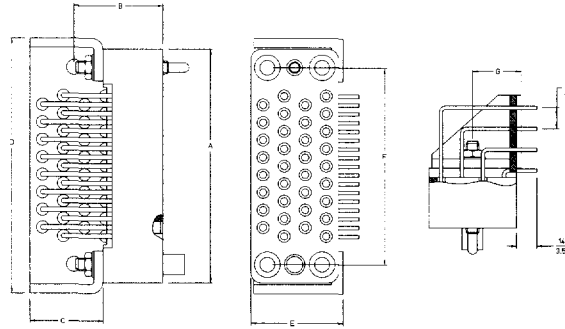
Connector Size	Catalog Number		Dimensions - Inches mm						
	Plug	Receptacle	A	B	C	D	E	F	G
9	MSO 9MPG 1E1	MSO 9MRG 1E1	1.31 (33,3)	.91 (23)	.69 (17,5)	1.50 (38)	.630 (16)	1.00 (25,4)	.39 (10)
18	MSO 18MPG 1E1	MSO 18MRG 1E1	1.31 (33,3)	.91 (23)	.91 (23)	1.50 (38)	.71 (18)	1.00 (25,4)	.39 (10)
34	MSO 34MPG 1E1	MSO 34MRG 1E1	2.00 (50,8)	.76 (19,3)	.63 (15,9)	2.19 (55,5)	.81 (20,5)	1.69 (42,8)	.41 (10,5)

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Boardmount Rectangular Connectors

90° Version with Fixed Jackscrew Pin and Jackscrew Socket

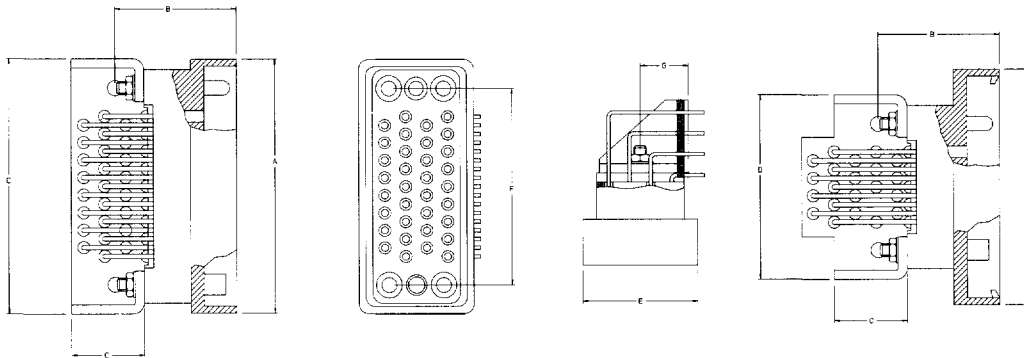
MSO-M-G58E1



Connector Size	Catalog Number		Dimensions - Inches mm						
	Plug	Receptacle	A	B	C	D	E	F	G
9	MSO 9MPG 58E1	MSO 9MRG 58E1	1.31 (33,3)	.91 (23)	.69 (17,5)	1.50 (38)	.63 (16)	1.00 (25,4)	.39 (10)
18	MSO 18MPG 58E1	MSO 18MRG 58E1	1.31 (33,3)	.91 (23)	.69 (17,5)	1.50 (38)	.71 (18)	1.00 (25,4)	.39 (10)
34	MSO 34MPG 58E1	MSO 34MRG 58E1	2.00 (50,8)	.76 (19,3)	.63 (15,9)	2.19 (55,5)	.81 (20,5)	1.69 (42,8)	.41 (10,5)

90° Version with Guide Pin and Guide Socket Plus Protection Shroud

MSO-M-G1E1A

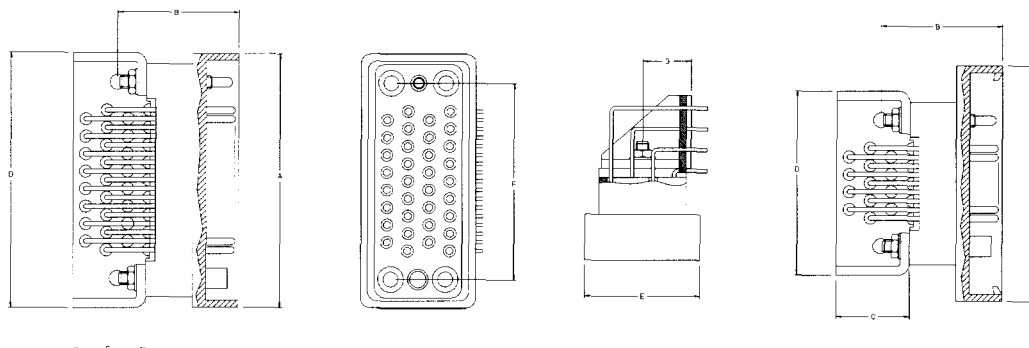


Connector Size	Catalog Number		Dimensions - Inches mm						
	Plug	Receptacle	A	B	C	D	E	F	G
9	MSO 9MPG 1E1A	MSO 9MRG 1E1A	2.05 (52)	1.18 (30)	.69 (17,5)	1.50 (38)	.75 (19)	1.00 (25,4)	.39 (10)
18	MSO 18MPG 1E1A	MSO 18MRG 1E1A	2.05 (52)	1.18 (30)	.69 (17,5)	1.50 (38)	.75 (19)	1.00 (25,4)	.39 (10)
34	MSO 34MPG 1E1A	MSO 34MRG 1E1A	2.17 (55,2)	1.04 (26,3)	.63 (15,9)	2.19 (55,5)	.98 (25)	1.69 (42,8)	.41 (10,5)

TRIM TRIO Connectors

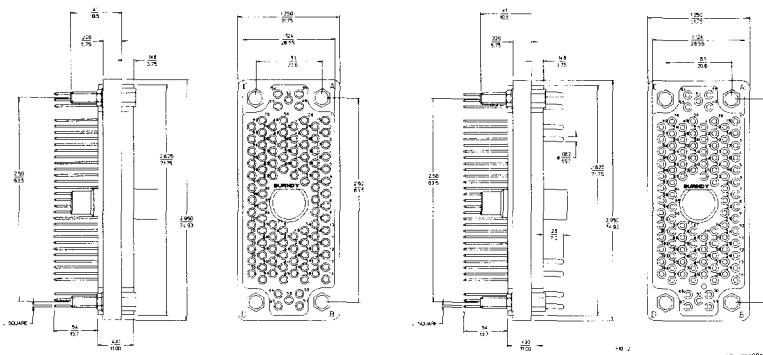
Boardmount Rectangular Connectors

90° Version with Fixed Jackscrew Pin and Jackscrew Socket Plus Protection Shroud
MSO-M-G58E1A



Connector Size	Catalog Number		Dimensions - Inches mm						
	Plug	Receptacle	A	B	C	D	E	F	G
9	MSO 9MPG 58E1A	MSO 9MRG 58E1A	2.05 (52)	1.18 (30)	.69 (17,5)	1.50 (38)	.75 (19)	1.00 (25,4)	.39 (10)
18	MSO 18MPG 58E1A	MSO 18MRG 58E1A	2.05 (52)	1.18 (30)	.69 (17,5)	1.50 (38)	.75 (19)	1.00 (25,4)	.39 (10)
34	MSO 34MPG 58E1A	MSO 34MRG 58E1A	2.17 (55,2)	1.04 (26,3)	.63 (15,9)	2.19 (55,5)	.98 (25)	1.69 (42,8)	.41 (10,5)

MSO 104 With Wire Wrap Post



Connector Size	Catalog Number		Orientation of Guide Sockets	Dimensions - Inches mm	
	With Socket Contacts Figure 1	With Pin Contacts Figure 2		Wire Wrap Size A	L Dimension
104	MSO 104MRM 02E1	MSO 104MTM 02E1	—	.024 x .024 (0,6) x (0,6)	.54 (13,7)
104	MSO 104MRM 89E1	MSO 104MTM 89E1	A-B-C-D	.024 x .024 (0,6) x (0,6)	.54 (13,7)
104	MSO 104MRC 02E1	MSO 104MTC 02E1	—	.04 x .04 (1) x (1)	.75 (19)
104	MSO 104MRC 89E1	MSO 104MTC 89E1	A-B-C-D	.04 x .04 (1) x (1)	.75 (19)