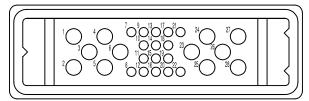
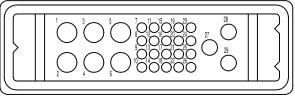
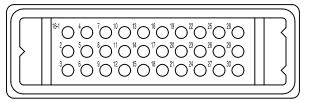
FACE VIEW OF MALE OR REAR VIEW OF FEMALE



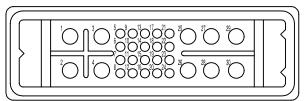
MIP28W12 VARIANT
12 Size 12 and 16 Size 20 Contacts



MIP29W9 VARIANT
3 Size 12, 20 Size 20, 6 Size 8 Contacts

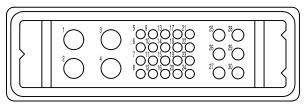


MIP30 VARIANT 30 Size 16 Contacts

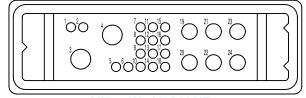


MIP30WA10 VARIANT

10 Size 12 and 20 Size 20 Contacts



MIP30WB10 VARIANT
4 Size 8, 6 Size 16, 20 Size 20 Contacts

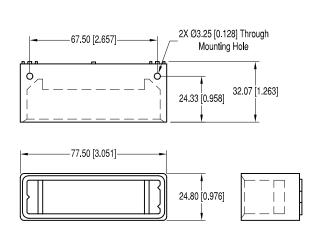


MIP24W8 VARIANT
2 Size 8 (High performance or standard see page 27), 8 Size 12, 16 Size 20
Contacts

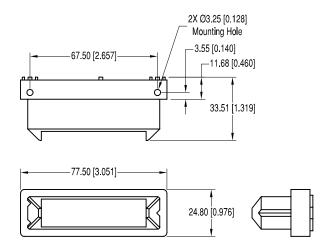
Only available for use with crimp contacts.

Refer to page 8 for Application Specific Arrangements.

MIP CONNECTOR OUTLINE DIMENSIONS

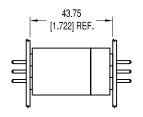


Male Connector Dimensions

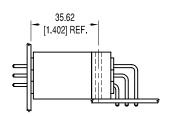


Female Connector Dimensions

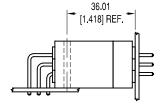
MIP CONNECTOR MATING DIMENSIONS



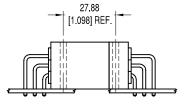
Straight Board Mount or Panel Mount Female to Straight Board Mount or Panel Mount Male.



Right Angle Board Mount Female to Straight Board Mount or Panel Mount Male.



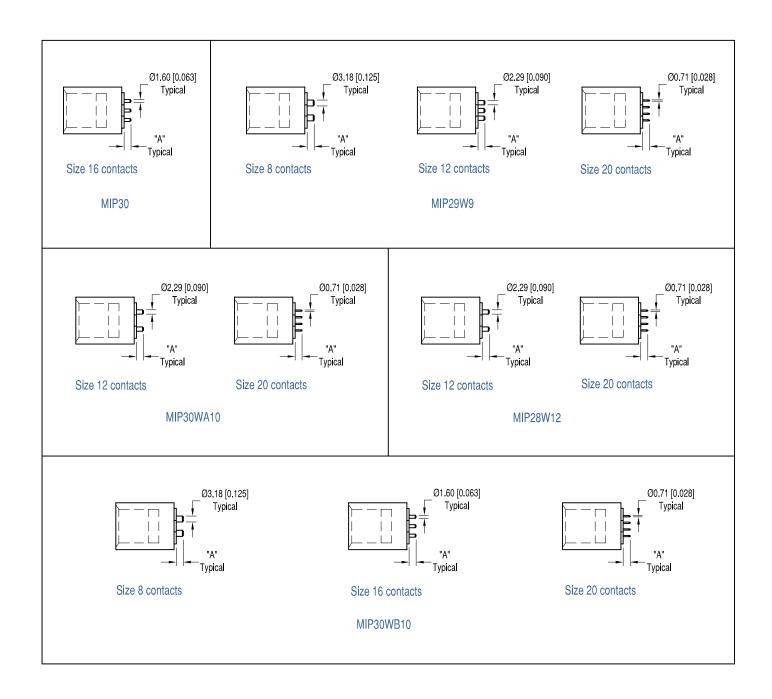
Straight Board Mount or Panel Mount Female to Right Angle Board Mount Male.



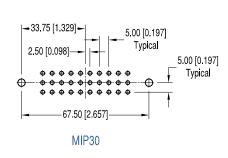
Right Angle Board Mount Female to Right Angle Board Mount Male.

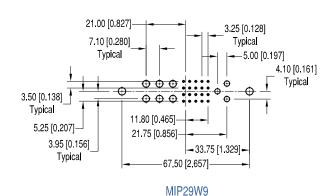
CODE	"A" LENGTH			
3	3.71 [0.146]			
32	9.58 [0.377]			

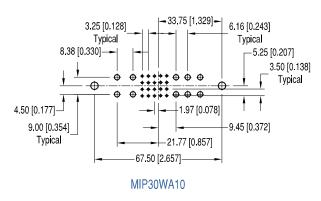
MALE CONNECTOR SHOWN FOR REFERENCE ONLY

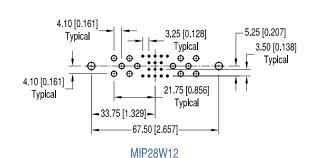


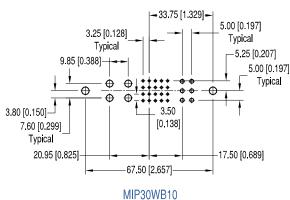
Hole pattern shown is for male connector; use mirror image for female connector.











Suggest Ø1.14 [0.045] holes for size 20 straight contact holes.

Suggest Ø2.11 [0.083] holes for size 16 straight contact holes.

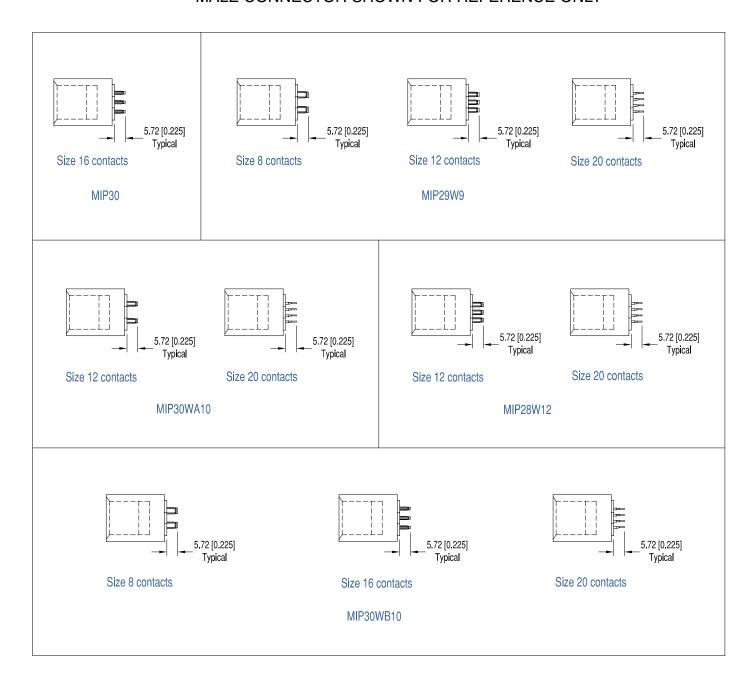
Suggest Ø2.90 [0.114] holes for size 12 straight contact holes.

Suggest Ø3.68 [0.145] holes for size 8 straight contact holes.

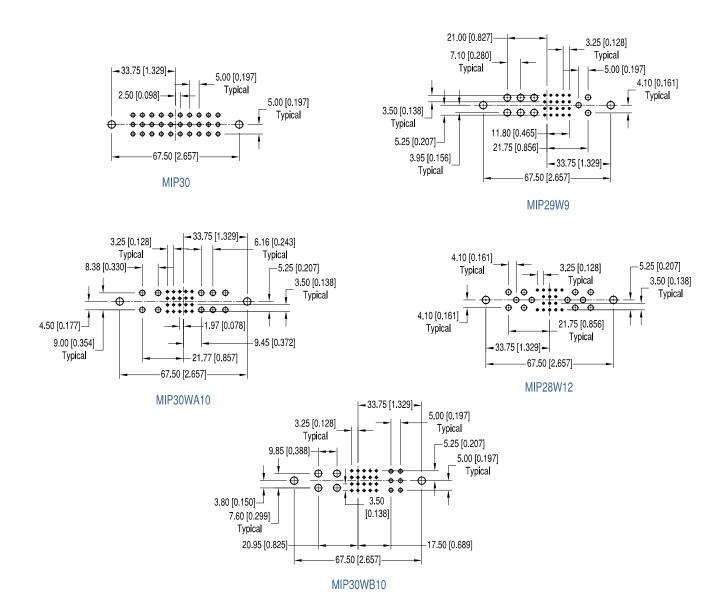
Suggest Ø3.96±0.08 [0.156±0.003] holes for connector mounting holes.

CONTACT TERMINATION DIMENSIONS

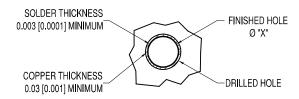
MALE CONNECTOR SHOWN FOR REFERENCE ONLY



Hole pattern shown is for male connector; use mirror image for female connector.



PRINTED BOARD CONTACT HOLE REQUIREMENT

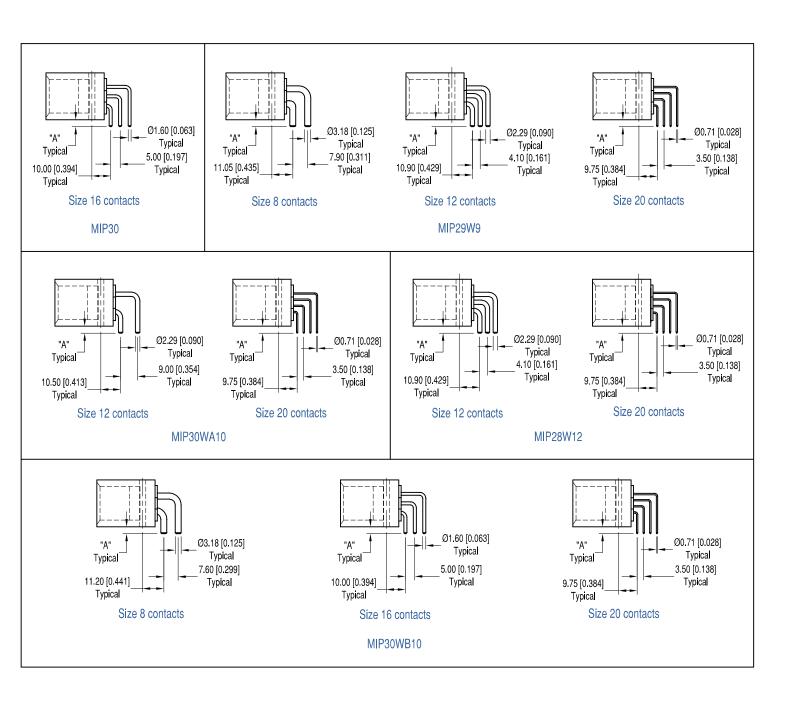


Suggest Ø3.96±0.08 [0.156±0.003] holes for connector mounting holes.

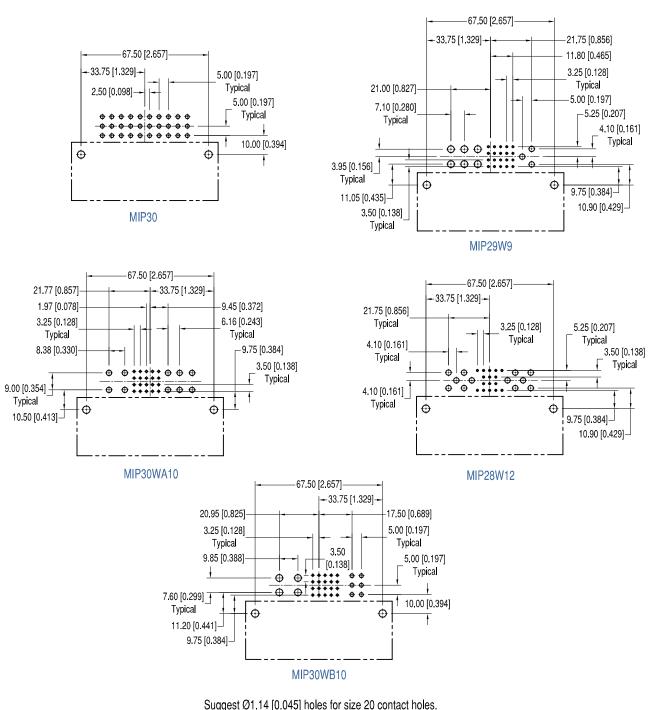
CONTACT SIZE	Ø "X"				
8	3.02±0.05 [0.119±0.002]				
12	2.39±0.05 [0.094±0.002]				
16	1.600+0.090-0.060 [0.0630+0.0035-0.0024]				
20	1.000+0.090-0.060 [0.0394+0.0035-0.0024]				

CODE	"A" LENGTH				
4	3.71 [0.146]				
42	9.58 [0.377]				

MALE CONNECTOR SHOWN FOR REFERENCE ONLY



Hole pattern shown is for male connector; use mirror image for female connector.



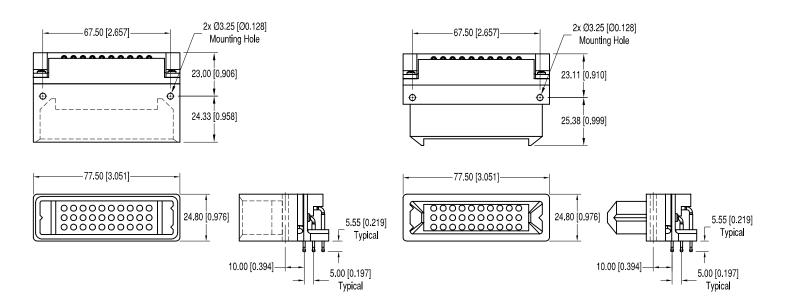
Suggest Ø2.11 [0.083] holes for size 16 contact holes.

Suggest Ø2.90 [0.114] holes for size 12 contact holes.

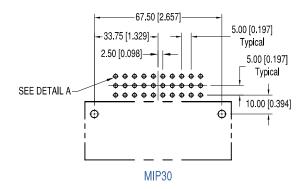
Suggest Ø3.68 [0.145] holes for size 8 contact holes.

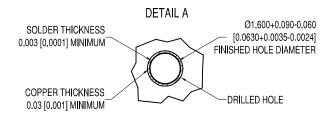
Suggest Ø3.96±0.08 [0.156±0.003] holes for connector mounting holes.

CONTACT TERMINATION DIMENSIONS, MALE AND FEMALE



CONTACT HOLE PATTERN, MALE AND FEMALE





Suggest Ø3.96±0.08 [0.156±0.003] holes for connector mounting holes.

MIP ORDERING INFORMATION

MINI-INFINITY
HIGH POWER
CONNECTOR SERIES

ORDERING INFORMATION – CODE NUMBERING SYSTEM

Specify Complete Connector By Following Steps 1 Through 8 Insert "0" When Step Is Not Used

STEP	1	2	3	4	5	6	7	8
	MIP	30	F	93	0	0	A1	
STEP 1 - Basic Series MIP - Mini-Infinity STEP 2 - Connector Variants 21W5 - 2 size 8, 3 size 12, and 16 size Only available for use with crim 28W12 - 12 size 12 and 16 size 20 contacts 29W9 - 3 size 12, 20 size 20, and 6 size	acts							STEP 8 - Special Options Consult Technical Sales * Sequential Mating * Recessed Female Contacts * Customer Specified Contact Arrangement * Other Customer Requirements STEP 7 - Contact Plating
30 - 30 size 16 contacts 30WA10 - 10 size 12 and 20 size 20 conta 30WB10 - 4 size 8, 6 size 16, and 20 size STEP 3 - Connector Gender M - Male F - Female	acts							 O - Crimp contacts ordered separately A1 - Gold flash over nickel on mating end and gold flash over nickel on termination end. A2 - Gold flash over nickel on mating end and 5.00 microns (0.000200 inch) solder coat on termination end. Not available with contact types 63 and
STEP 4 - Type of Contact 0 - Order contacts separately for cable connectors for connection systems 2, 4 and 5. 3 - Solder, Straight Printed Board Mount with 3.70 (0.146) tail extension for connection systems 1 and 4. 32- Solder, Straight Printed Board Mount with 9.58 (0.377) tail extension for connection systems 1 and 4. 4 - Solder, Right Angle Printed Board Mount with 3.70 (0.146) tail extension for connection systems 1, 2, 3 and 7.							93. C1 – 0.80 microns (0.000030 inch) gold over nickel on mating end and 0.80 microns (0.000030 inch) gold over nickel on termination end. C2 – 0.80 microns (0.000030 inch) gold over nickel on mating end and 5.00 microns (0.000200 inch) solder coat on termination end. Not available with contact types 63 and 93.	
 42- Solder, Right Angle Printed Board Mount with 9.58 (0.377) tail extension for connection systems 1, 2, 3 and 7. 63 - Press-Fit, Compliant Termination Right Angle Printed Board Mount, for use with board thicknesses of 2.29 to 4.45 (0.090 to 0.175). With cross bar. Connection systems 1, 2, 3 and 7. Available on connector variant 30 only. 								STEP 6 - Panel Mount 0 - None. 82 - Panel Mount 1.52 (0.060) panel thickness 83 - Panel Mount 2.28 (0.090) panel thickness
93 – Press–Fit, Compliant Termination Straig use with board thicknesses of 2.29 to 4 Connection systems 1 and 4.				nt for				ENSIONS ARE IN MILLIMETERS (INCHES).

STEP 5 - Mounting Style

- 0 None, mounting screws supplied with board mount connector.
- N Push-on fasteners supplied installed on board mount connector.
 Not recommended for code 63 and 93.

DIMENSIONS ARE IN MILLIMETERS (INCHES). ALL DIMENSIONS ARE SUBJECT TO CHANGE.