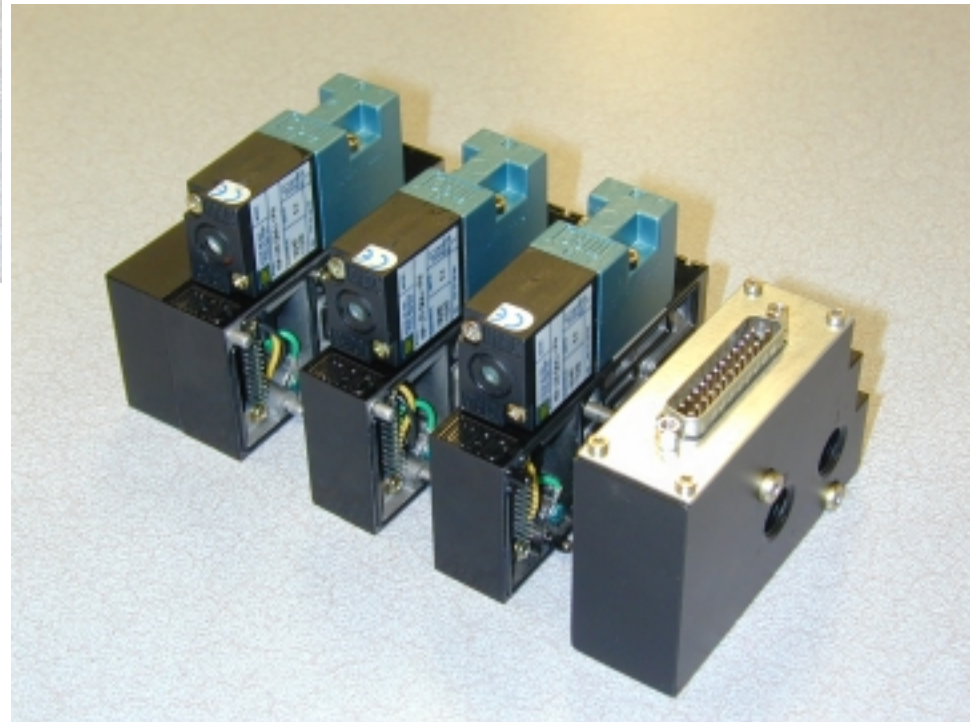
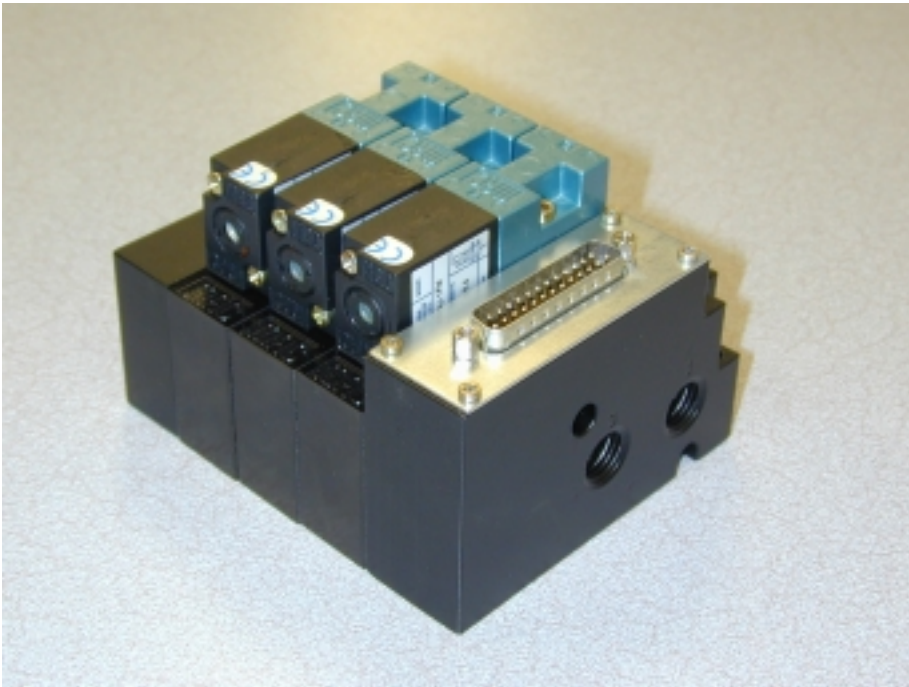


45 Series MAConnect™



Specifications

45 Series Valve

Fluids:

Compressed Air or Inert Gases

Lubrication:

Not required. If used, select a medium aniline point lubricant (between 180°F and 210°F)

Safe Operating Temperature Range:

0°F to 120°F (-18°C to 50° C)

Pressure Range:

Vacuum to 120 PSI

Electrical:

DC 12/24 Volt 1.8w to 5.4w

AC 24, 120, 220, 240VAC

Maximum Coil Amperage - 250mA

Maximum Voltage - 240VAC

Dielectric Strength in Excess of 2000 Volts.

Recommended Mating Sub-D Cable Specifications

3 Amp Current Rating per Conductor

300 Volt RMS, 105°C Insulation

Amp CPC Connector Specifications

Receptacle: (Mounted in MACConnect™ adapter block)

- Series 1 Amp CPC Connector
- Shell size 23
- 24 Male pins (1.57mm diameter)
- Five key configuration

Recommended Plug:

- Amp part number 206837-1
- 5 key configuration
- Recommended receptacle contacts are size 16 type III+ (Accepts pin dia. 1.57mm)

Additional information can be obtained from Amp Catalog 82021

Specifications

SM32 Manifold

Outputs:

Number: 16 Channels / Solenoids on manifold

Voltage Current: 24 VDC at .225 per channel (6.0 Watts max.)

Inputs:

Number: 4

Type: 24 VDC NPN or PNP Logic

Protocols:

DeviceNet

Allen Bradley Remote I/O*

Profibus

Interbus-S

AS-I

Current Consumption:

Outputs - 4 A Max.

Electronics and Inputs - 75mA

Voltage Ranges:

Operating with single supply: 24VDC

Operating separate supply for valves : 24VDC

Safe Operating Temperature Range:

0-50° C (32-120°F)

10-90% RH (Non-condensing)

Enclosure:

Designed to meet NEMA 4 and IP65

* This product incorporates technology which is licensed by Allen-Bradley Company, Inc. Allen-Bradley has not technically approved, nor does it warrant or support this product. All warranty and support for this product and its application is provided solely by MAC Valves, Inc.

Specifications

SM16 Manifold

Outputs:

Number: 16 Channels / Solenoids on manifold
Voltage Current: 24 VDC at .225 per channel (5.4 Watts max.)

Inputs: Not available at this time

Protocols:

DeviceNet

Current Consumption:

Outputs - 4 A Max.
Electronics - 200mA

Voltage Ranges:

Operating with single supply: 24VDC
Operating separate supply for valves : 24VDC

Operating Temperature:

0-50° C (32-120°F)
10-90% RH (Non-condensing)

Operating Atmosphere:

No corrosive gases

Enclosure:

Designed to meet NEMA 4

Impact Resistance:

10G



PIN #	SOLENOID #
1	1
2	2
/	/
20	20
21	+ COMMON
22	+ COMMON
23	+ COMMON
24	+ COMMON
25	+ COMMON

25 PIN SUB-D



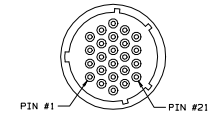
PIN #	SOLENOID #
1	1
2	2
/	/
13	13
14	+ COMMON
15	+ COMMON

15 PIN SUB-D



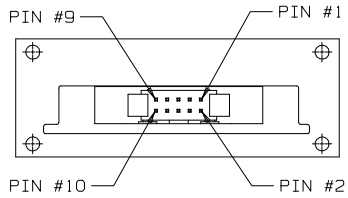
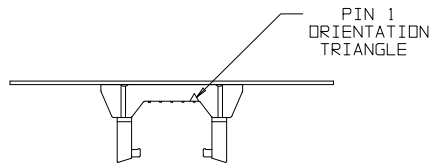
PIN #	SOLENOID #
1	1
2	2
/	/
8	8
9	+ COMMON

9 PIN SUB-D



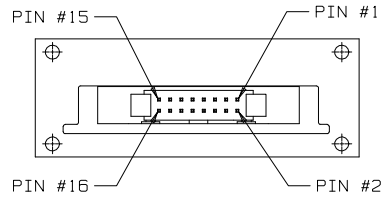
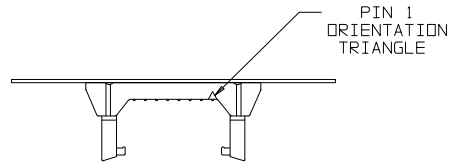
PIN #	SOLENOID #
1	1
2	2
/	/
20	20
21	+ COMMON
22	+ COMMON
23	+ COMMON
24	+ COMMON

24 PIN AMP CPC



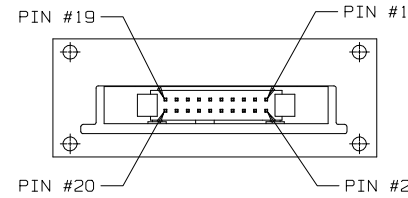
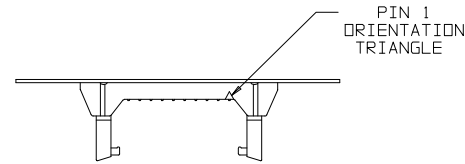
PIN #	SOLENOID #
1	1
2	2
/	/
8	8
9	+ COMMON
10	+ COMMON

10 PIN



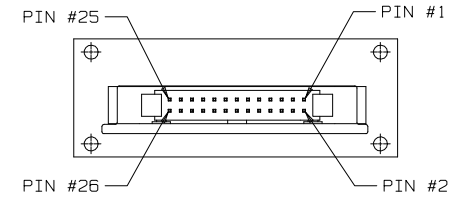
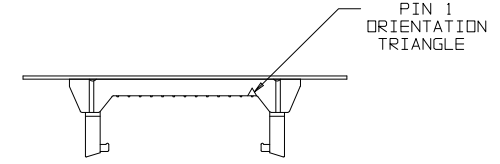
PIN #	SOLENOID #
1	1
2	2
/	/
12	12
13	+ COMMON
14	+ COMMON
15	+ COMMON
16	+ COMMON

16 PIN



PIN #	SOLENOID #
1	1
2	2
/	/
16	16
17	+ COMMON
18	+ COMMON
19	+ COMMON
20	+ COMMON

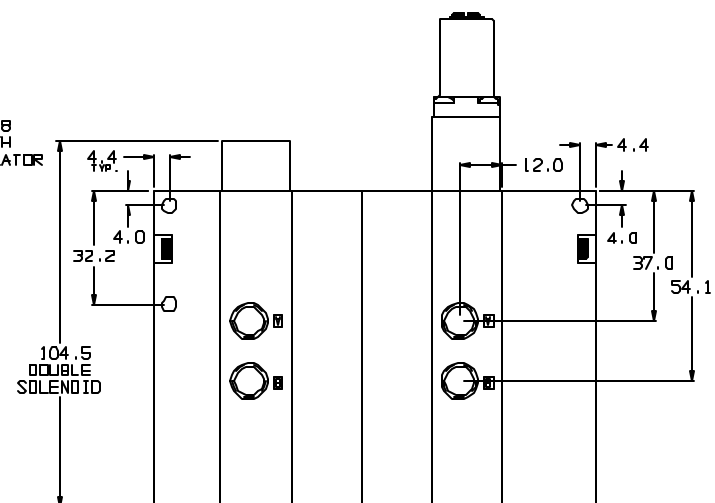
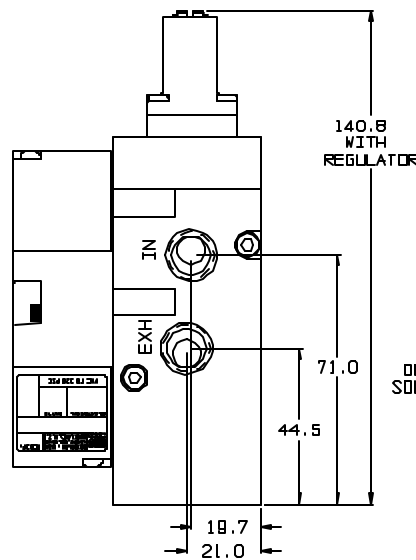
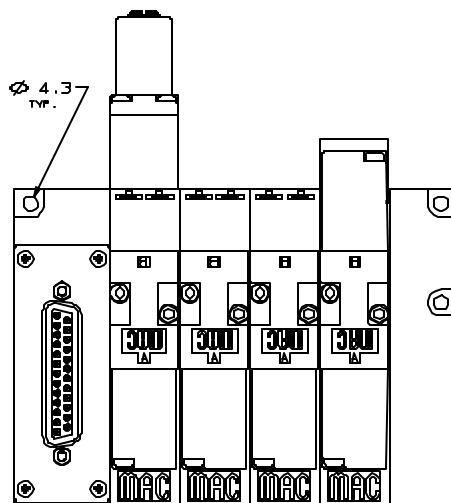
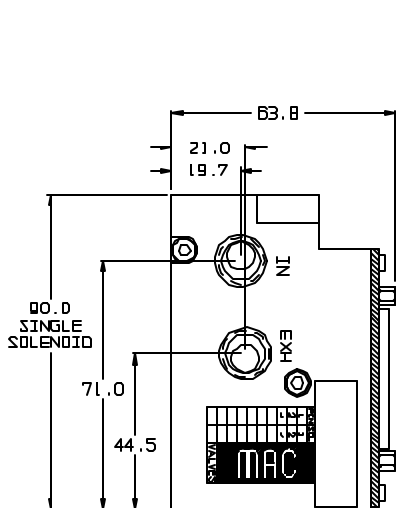
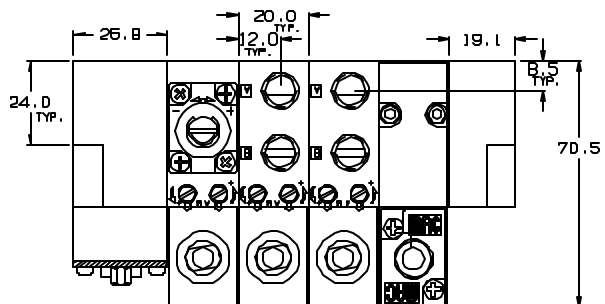
20 PIN



PIN #	SOLENOID #
1	1
2	2
/	/
20	20
21	+ COMMON
22	+ COMMON
23	+ COMMON
24	+ COMMON
25	+ COMMON
26	+ COMMON

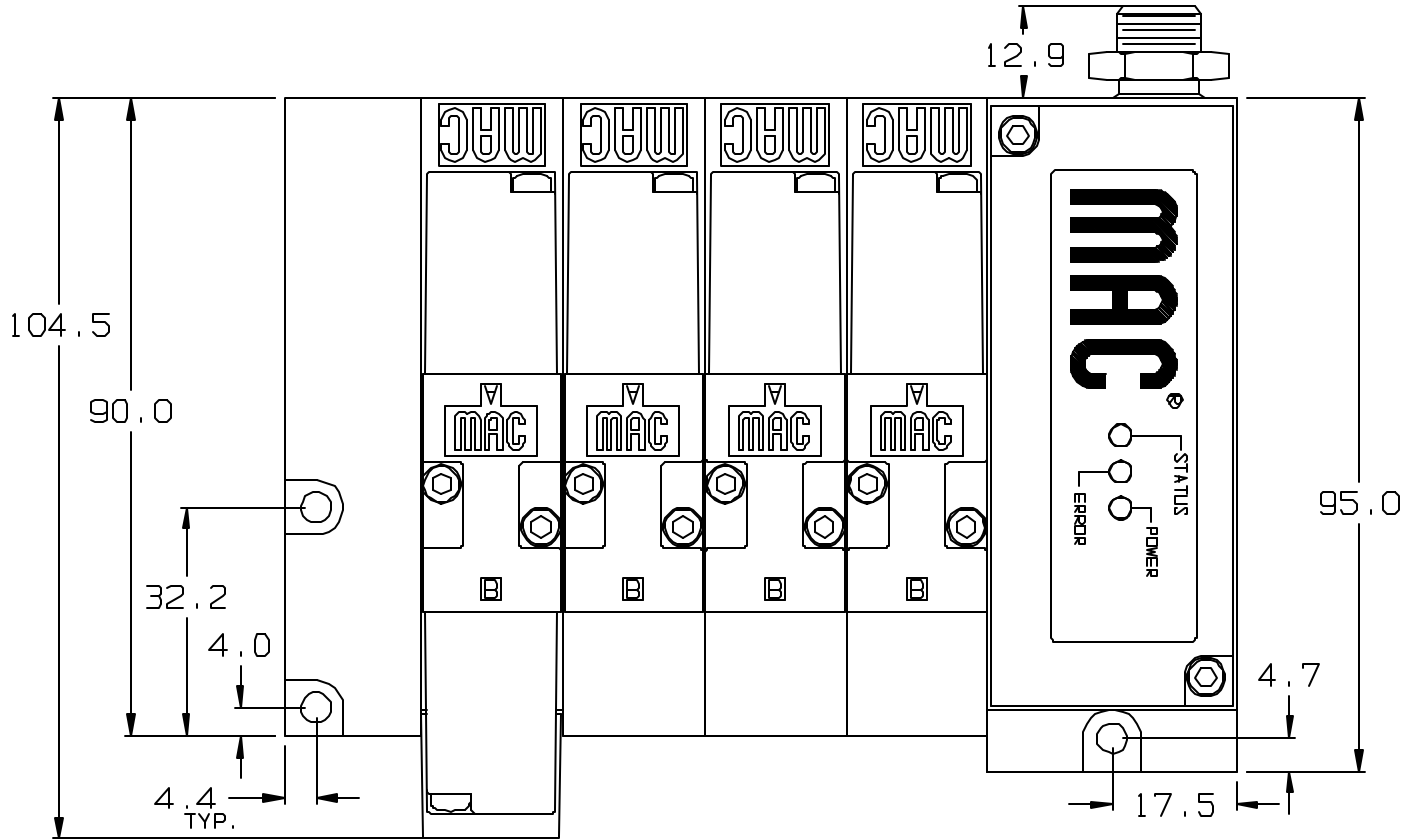
26 PIN

45 SERIES MACONNECT WITH SUB-D, REGULATOR AND FLOW CONTROLS

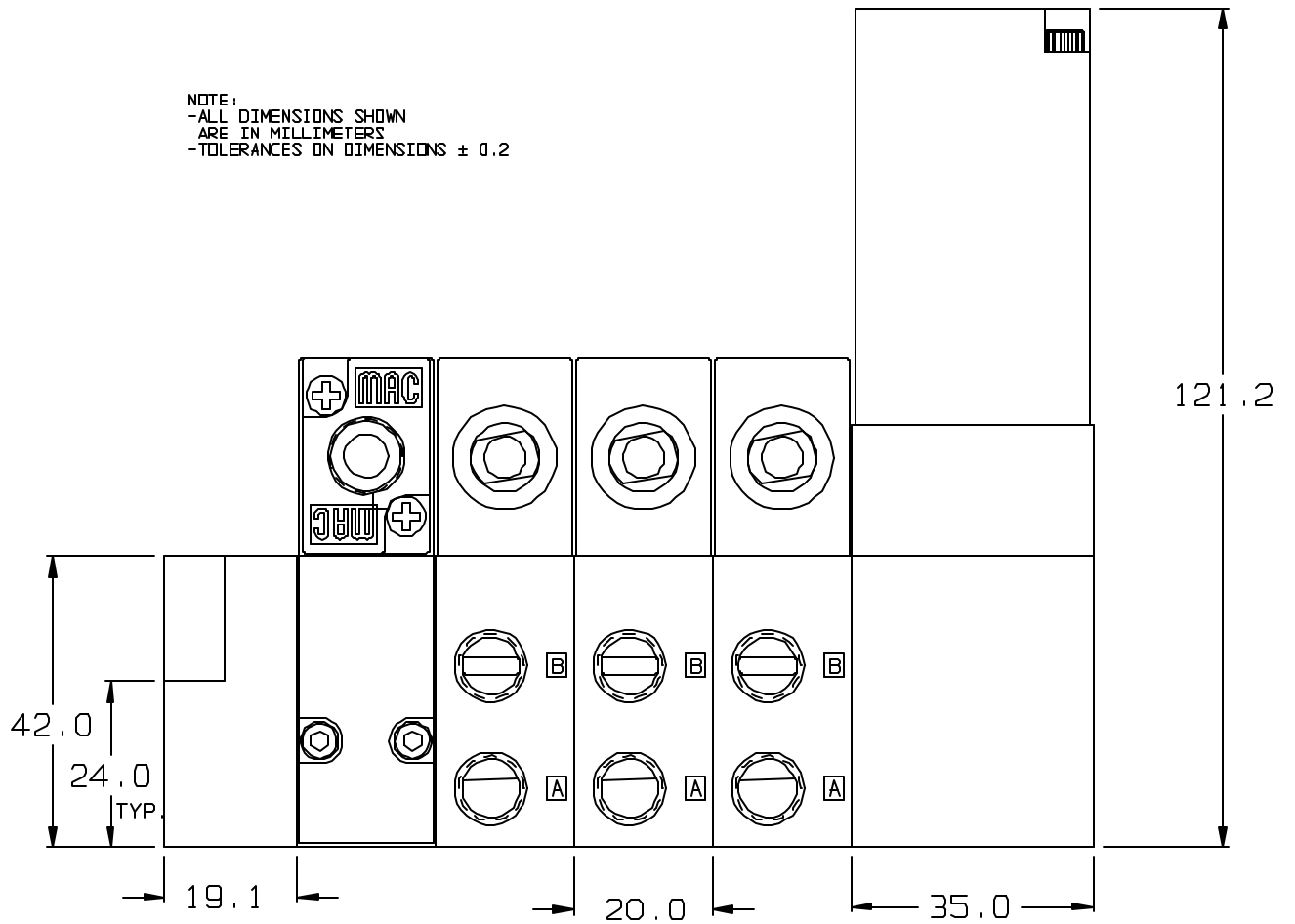


ALL DIMENSIONS SHOWN
ARE IN MILLIMETERS
TOLERANCES IN DIMENSIONS ARE ± 0.2

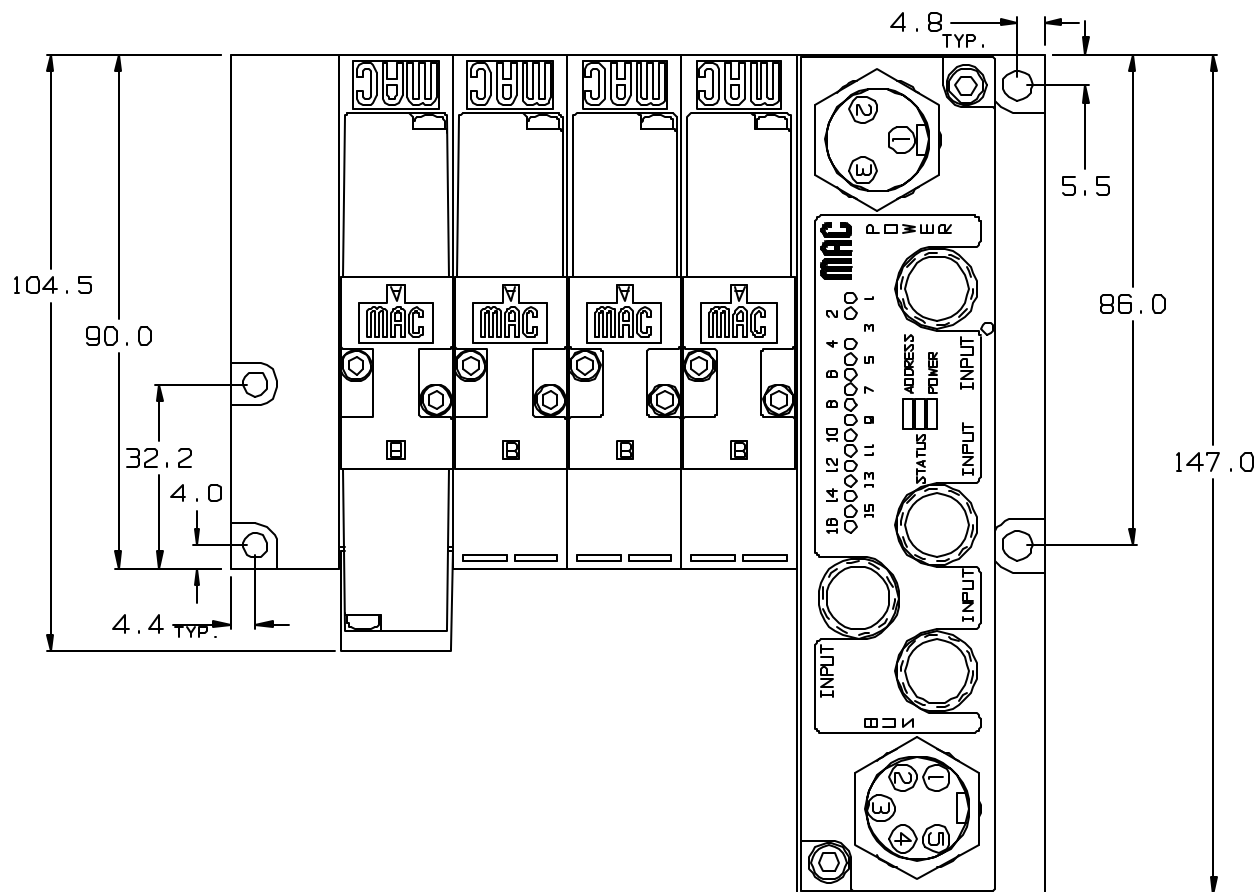
45 SERIES MACONNECT WITH SM16



NOTE:
 -ALL DIMENSIONS SHOWN
 ARE IN MILLIMETERS
 -TOLERANCES ON DIMENSIONS ± 0.2



45 SERIES MACONNECT WITH SM32



NOTE:
 -ALL DIMENSIONS SHOWN
 ARE IN MILLIMETERS
 -TOLERANCES ON DIMENSIONS ± 0.2

