

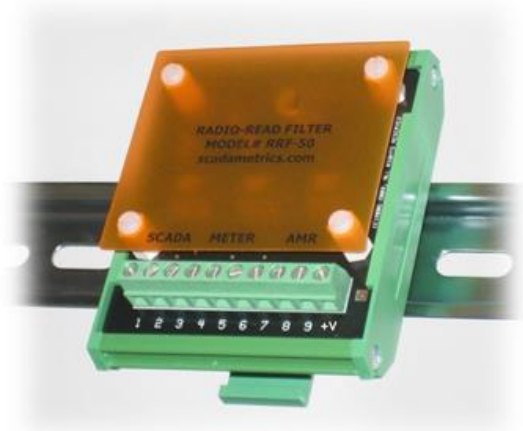
Radio-Read Filter™

SHARED ACCESS TO WATER METER READINGS



**Revenue-Grade Flow Metering Accuracy:
Now Available to the Utility and Commercial
Water Customer Simultaneously...**

In 2011, SCADAmetrics introduced the Radio-Read Filter — the device that enables two separate systems to read a water meter simultaneously; and it solved the challenging problem posed when both the water seller and buyer are interested in tracking water consumption.



**AWWA C707-05
COMPLIANT**

**2 YEAR
WARRANTY**

The RRF-D, which is contained within a standard 35mm Din-Rail mountable package, effectively allows an EtherMeter® and another AMR device to independently interrogate and share data access to a single water meter^{1,2,3,4}. Example AMR interfaces include the Sensus MXU, Neptune R900, Itron ERT, Aclara MTU, and many others.

Additionally, the Radio-Read Filter can be used to provide two separate SCADA systems with concurrent access to a single water meter when each SCADA system is equipped with its own EtherMeter.

The effectiveness, simplicity, and reliability of the Radio-Read Filter have led to its widespread acceptance at many water utilities throughout the United States and Canada.

Radio-Read Filter, Din-Rail-Mount Version

**ETHERMETER® –
TRANSMITS REALTIME METER READING AND
FLOW-RATE TO COMMERCIAL CUSTOMER'S
BAS / ENERGY MGMT / SCADA SYSTEM**



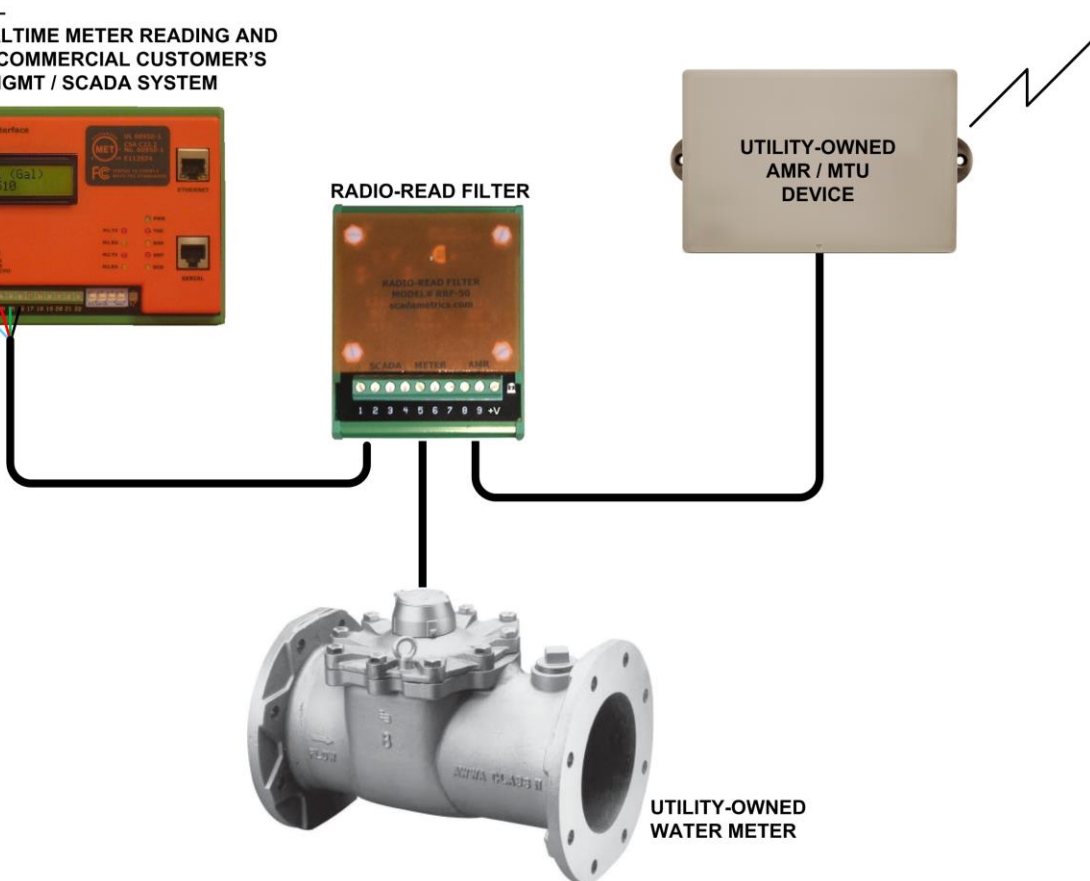
RADIO-READ FILTER



**UTILITY
AMR SYSTEM**

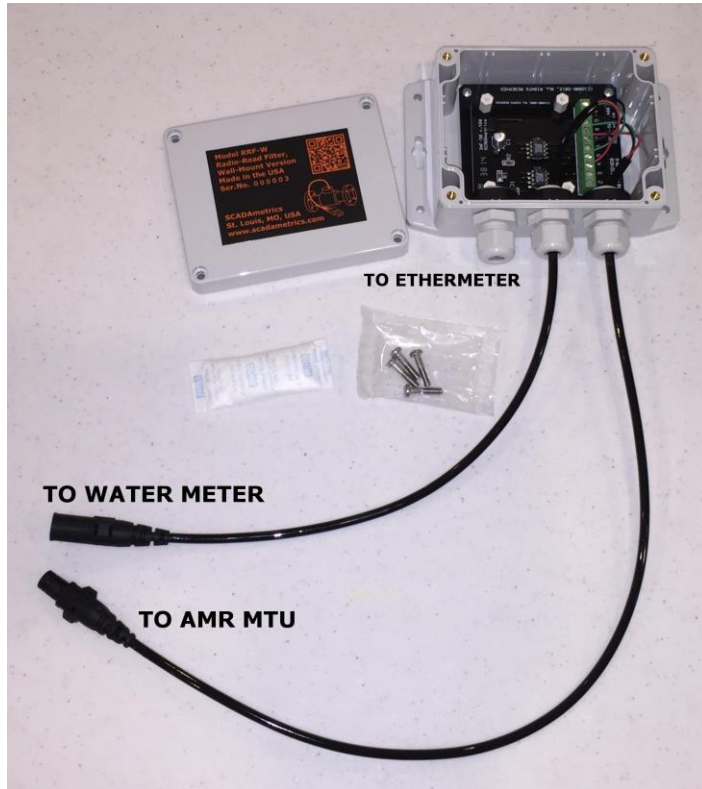


**UTILITY-OWNED
WATER METER**



The Radio-Read Filter is offered in both a DIN-Rail-Mount Package and a NEMA-4X enclosure.

In order to even further simplify installation and to minimize wiring errors, SCADAmetrics is pleased to offer a Nicor Connector Option that is useful wherever the utility-owned water meters and AMR endpoints are also outfitted with industry-standard Nicor connectors.



**Radio-Read Filter, Wall-Mount Version –
With Nicor Connector Option**

Because it derives all necessary power from the connected EtherMeter, the Radio-Read Filter does not require batteries or an external power supply.

When the water meter is owned by the utility, it is important to note that permission is required before connecting the water meter signal wires to the Radio-Read Filter/EtherMeter. For more information about permitting, please contact your water utility's engineering department.

Are you interested in how SCADAmetrics technology can enable your SCADA system to collect data from the utility-owned water meter? Give us a call! We'll be glad to discuss the details.

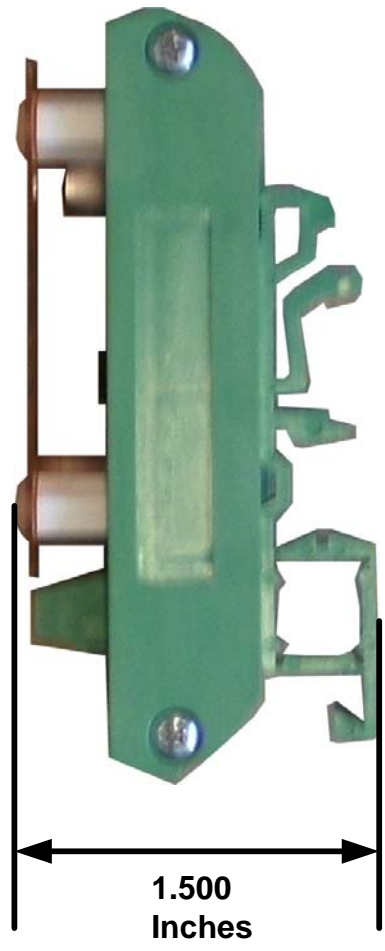
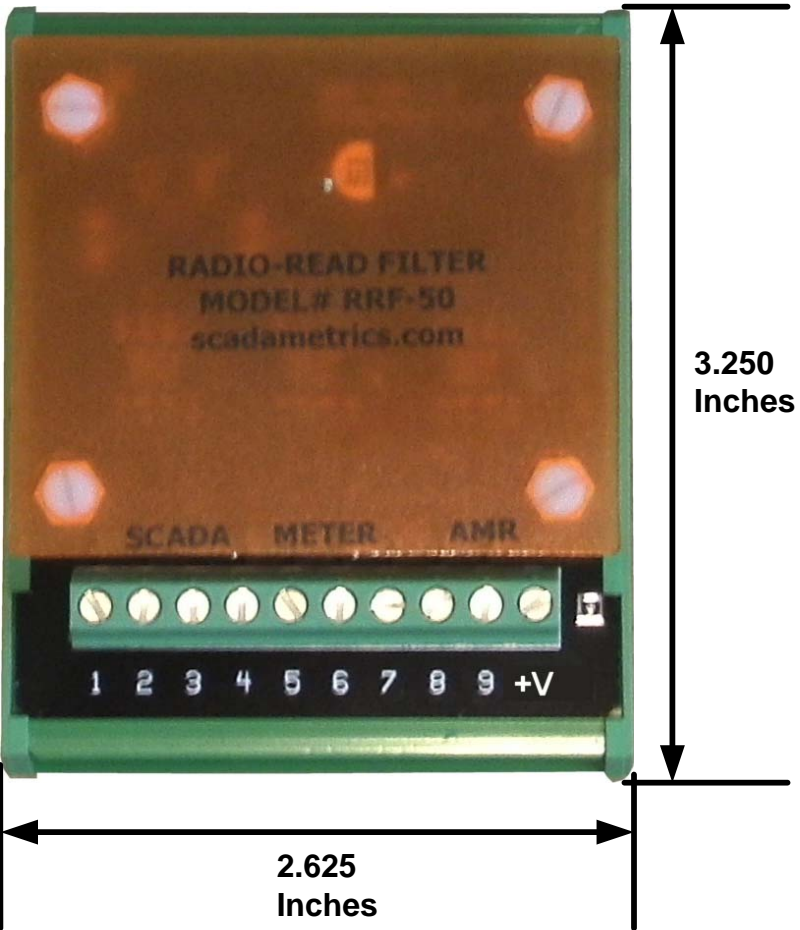
¹ The RRF-D and RRF-W are designed for applications where the EtherMeter® is one of the endpoints. If an EtherMeter is not to be part of the application, it is the responsibility of the user to verify compatibility.

² See the Compatibility Matrix at scadametrics.com for full compatibility details.

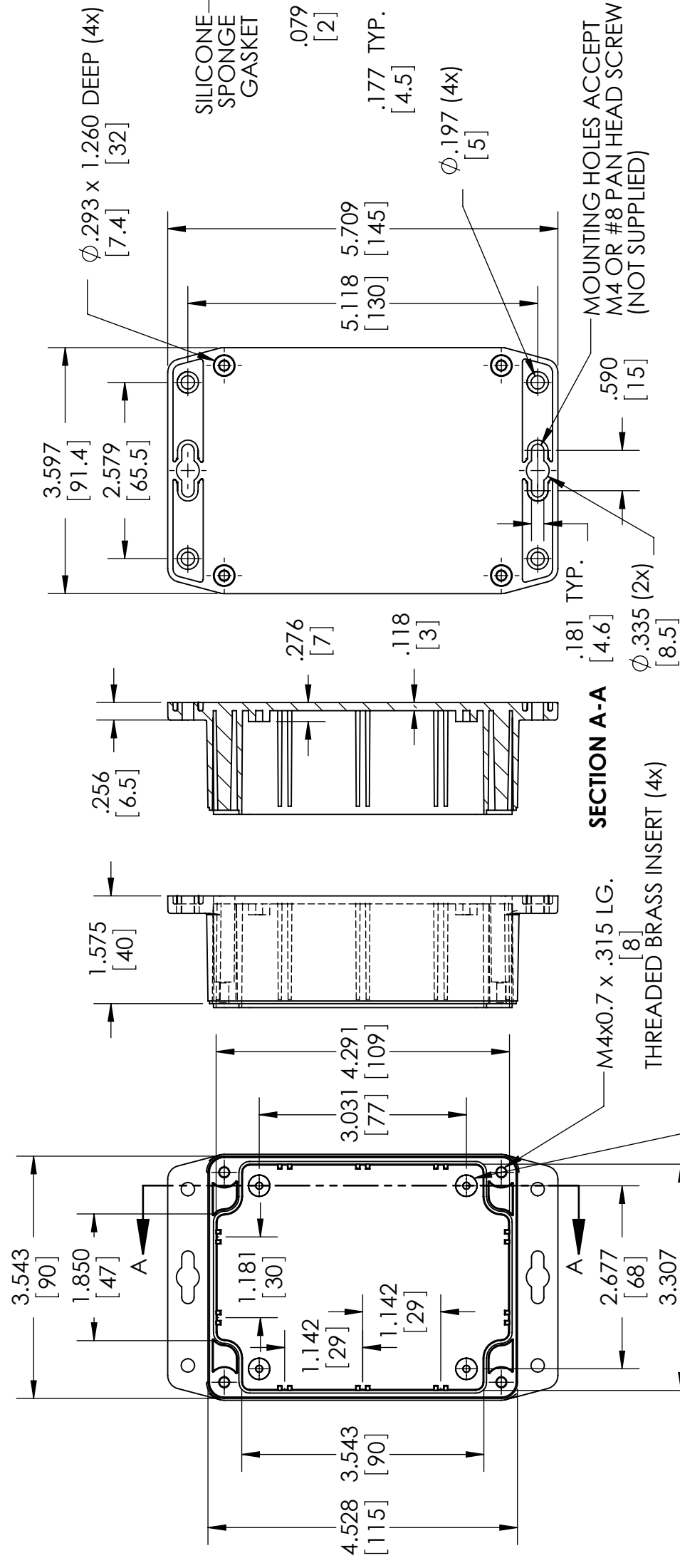
³ The RRF is rated for the following environmental conditions:
Temperature: -30C to +85C. Relative Humidity: 5% to 95%, Non-Condensing

⁴ The RRF-W is not wet-pit-compatible unless potted by user.

DIMENSIONAL DRAWINGS



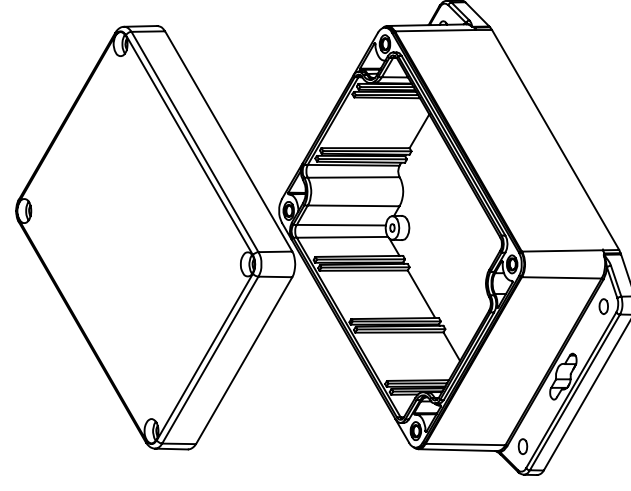
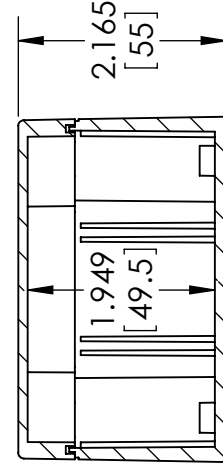
MATERIAL & FINISH:
 (-MB SUFFIX PART NO.) POLYCARBONATE UL94-HB, UV STABILIZED, SERVICE TEMPERATURE RANGE: -40°C TO +120°C, LIGHT GRAY BODY & COVER.
 (-CMB SUFFIX PART NO.) SAME AS -MB EXCEPT CLEAR COVER.
 (-DGMB SUFFIX PART NO.) ABS UL94-HB, SERVICE TEMPERATURE RANGE: -40°C TO +80°C, DARK GRAY BODY & COVER.



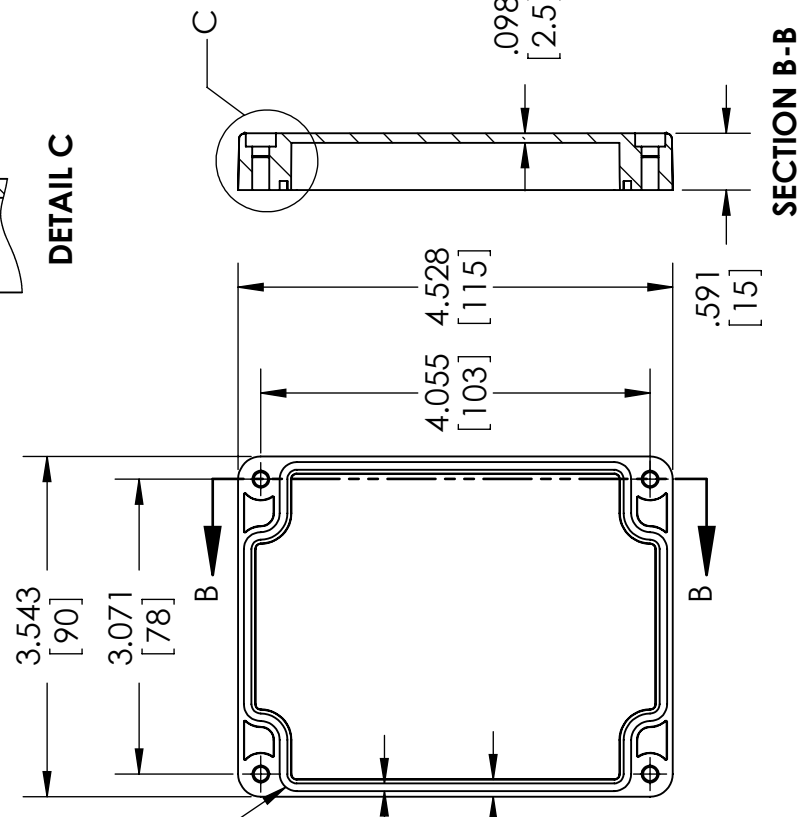
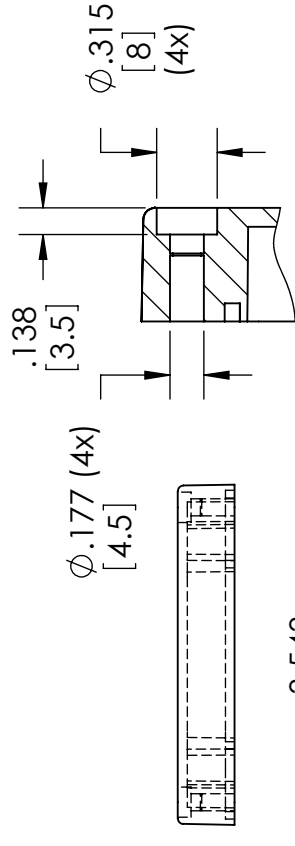
SECTION A-A
 M4x0.7 x .315 LG.
 THREADED BRASS INSERT (4x)
 Ø.309 BOSS WITH Ø.098 HOLE
 x .158 DEEP (4x)

BODY

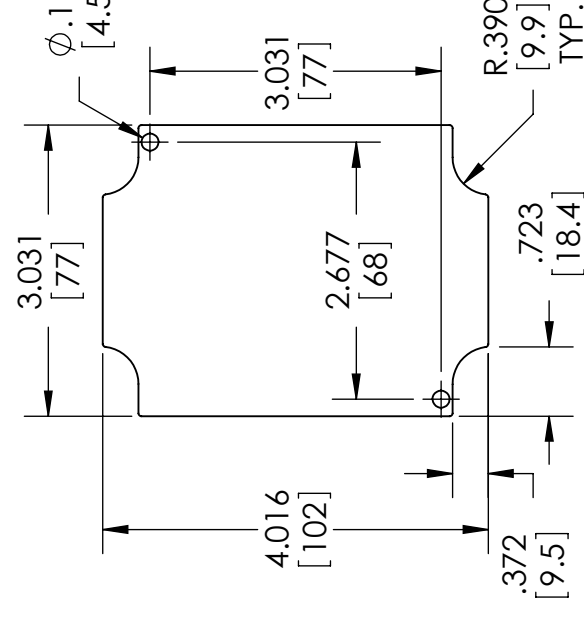
MOUNTING BOSSES ACCEPT
 M3 x 4mm LG. OR #4 x 3/16" LG.
 SELF-TAPPING SCREWS
 (NOT SUPPLIED)



- NOTES:**
- 1.) FOUR (4) M4x0.7 x 20mm (.787") LG. STAINLESS STEEL SCREWS SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
 - 2.) BOXES DESIGNED TO MEET FOLLOWING STANDARDS:
 NEMA 1, 2, 4, 4X, 12, 13 AND IEC529-IP65 REQUIREMENTS.
 - 3.) ALL HOLE DIAMETERS HAVE ±.005[.12] TOLERANCE.
 ALL OTHER DIMENSIONS HAVE ±.015[.38] TOLERANCE.
 - 4.) ALL OUTSIDE DRAFT ANGLE: 1°
 ALL INSIDE DRAFT ANGLE: 1/2°



COVER



SUGGESTED PC BOARD LAYOUT