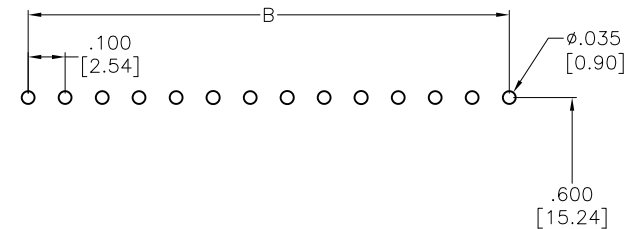
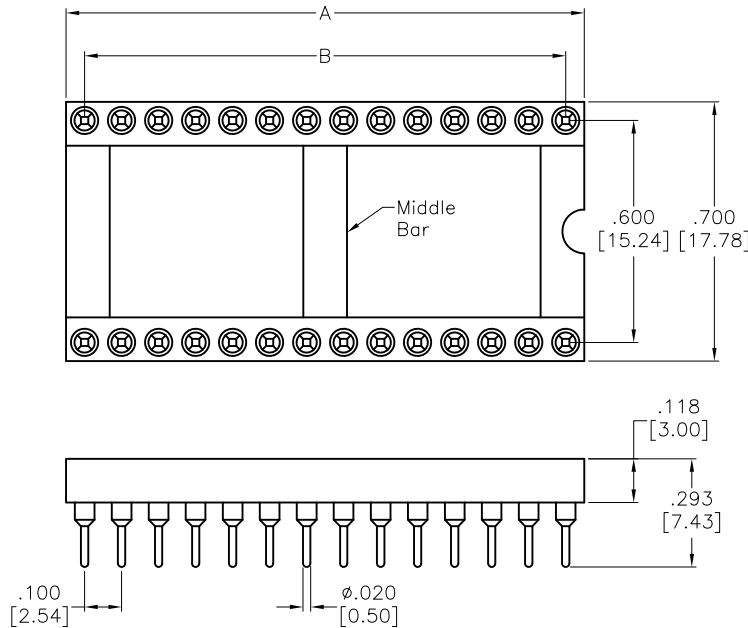
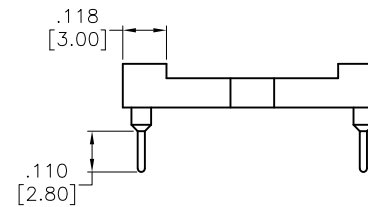


APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

| Rev | AWO # | Description   | Date    | Appr |
|-----|-------|---------------|---------|------|
| -   |       | RELEASED      | 11/7/16 |      |
| A   |       | UPDATED CHART | 8/5/22  | SS   |



RECOMMENDED PCB LAYOUT



#### SPECIFICATIONS:

##### Material:

Insulator: (PPS) Hi-Temp Thermoplastic, rated UL 94V-0

Insulator color: Black

Pin (Outer Sleeve): Brass

Clip (Contact 4 finger): Beryllium Copper

##### Plating:

Inner contact: Gold flash over Nickel underplate

Outer sleeve: Tin over Nickel underplate overall

##### Electrical:

Operating voltage: 60VAC/DC

Current rating: 3 Amps/contact max.

Current resistance:  $\leq 4\text{m}\Omega$  / contact

Insulation resistance:  $\geq 1,000\text{M}\Omega$  at 100 V

##### Mechanical:

Operating temperature: Gold plated:  $-55^\circ\text{C}$  to  $+105^\circ\text{C}$

Tin plated:  $-40^\circ\text{C}$  to  $+105^\circ\text{C}$

Average insertion force:  $< 250\text{g}$

With steel pin of  $\phi .017$  [0.43mm]

Average withdrawal force:  $> 90\text{g}$  min.

With steel pin of  $\phi .017$  [0.43mm]

Mechanical life: 200 Cycle min.

##### Environmental:

Lead free, RoHS compliant



| P/N             | POSITION | A             | B             | MIDDLE BAR |
|-----------------|----------|---------------|---------------|------------|
| ICM-620-1-GT-HT | 20       | 1.000 [25.40] | .900 [22.86]  | WITH       |
| ICM-624-1-GT-HT | 24       | 1.200 [30.48] | 1.100 [27.94] |            |
| ICM-628-1-GT-HT | 28       | 1.400 [35.56] | 1.300 [33.02] |            |
| ICM-632-1-GT-HT | 32       | 1.600 [40.64] | 1.500 [38.10] |            |
| ICM-640-1-GT-HT | 40       | 2.000 [50.80] | 1.900 [48.26] |            |
| ICM-642-1-GT-HT | 42       | 2.100 [53.34] | 2.000 [50.80] |            |
| ICM-648-1-GT-HT | 48       | 2.400 [60.96] | 2.300 [58.42] |            |
| ICM-664-1-GT-HT | 64       | 3.200 [81.28] | 3.100 [78.74] |            |

UNLESS OTHERWISE SPECIFIED  
ALL DIMENSIONS ARE INCHES [MM]  
TOLERANCES: EXCEPT AS NOTED  
INCHES HOLES  
.X  $\pm .10$   $\phi .X$   $\pm .10$   
.XX  $\pm .020$   $\phi .XX$   $\pm .015$   
.XXX  $\pm .015$   $\phi .XXX$   $\pm .010$

| APPROVALS |    | DATE    |
|-----------|----|---------|
| DRAWN     | AY | 11/7/16 |
| CHECKED   | DH | 11/7/16 |
| APPROVED  |    |         |

## ADAM TECH

909 Rahway Avenue, Union, NJ 07083

Phone: 908-687-5000 Fax: 908-687-5710

| TITLE                                                 |                             |              |  |
|-------------------------------------------------------|-----------------------------|--------------|--|
| SCREW MACHINE IC SOCKET<br>.600" ROW SPACING, HI-TWMP |                             |              |  |
| SIZE<br>X                                             | PART NO.<br>ICM-6XX-1-GT-HT | REV.<br>A    |  |
| REF: S00145C                                          | SCALE: NTS                  | SHEET 1 OF 1 |  |