

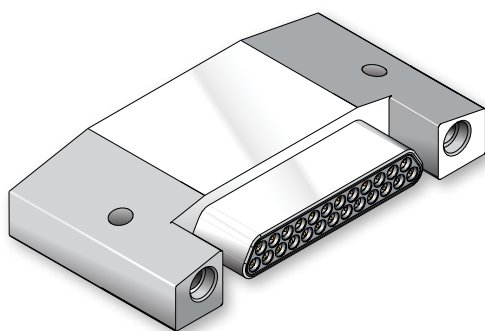


## GHTM Well-Master™ 260 High Temperature Micro-D Right Angle Printed Circuit Board Headers

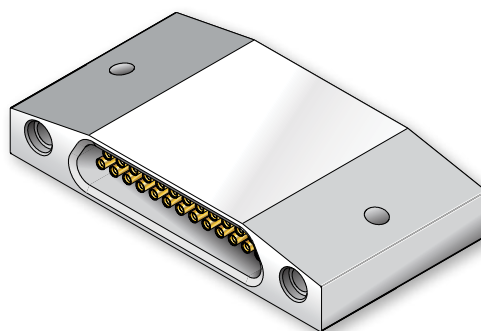
### GHTM Right Angle Printed Circuit Board Headers



GHTM Well-Master™ 260 right angle PCB Micro-D connectors withstand +260°C continuous operating temperature. These .050" pitch Micro-D connectors have .020 inch diameter (0.51mm) gold-plated PC terminals. Terminal spacing is .100 inch by .075 inch (2.54 by 1.91mm). Pin contacts are gold-plated high performance twistpin type and are recessed into insulator to prevent damage. Special nickel alloy contact material resists softening in high heat. Machined passivated stainless steel shell with integral jackpost. Glass-filled high temperature LCP thermoplastic insulators to withstand soldering heat. Meets performance requirements of MIL-DTL-83513. Available with 9 to 51 contacts. 3 A., 600 Vac, -55°C to +260°C.



**PIN (PLUG) CONNECTOR**



**SOCKET (RECEPTACLE) CONNECTOR**

**J**

### GHTM Right Angle PCB Connector Ordering Information

| Layout | .080 Inch (2.03mm)<br>PC Terminal Length | .110 Inch (3.18 mm)<br>PC Terminal Length | .150 Inch (3.81 mm)<br>PC Terminal Length | .172 Inch (4.37 mm)<br>PC Terminal Length | .190 Inch (4.83 mm)<br>PC Terminal Length | .205 Inch (5.21 mm)<br>PC Terminal Length |
|--------|------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| 9P     | GHTM-9PRAP-.080                          | GHTM-9PRAP-.110                           | GHTM-9PRAP-.150                           | GHTM-9PRAP-.172                           | GHTM-9PRAP-.190                           | GHTM-9PRAP-.205                           |
| 9S     | GHTM-9SRAP-.080                          | GHTM-9SRAP-.110                           | GHTM-9SRAP-.150                           | GHTM-9SRAP-.172                           | GHTM-9SRAP-.190                           | GHTM-9SRAP-.205                           |
| 15P    | GHTM-15PRAP-.080                         | GHTM-15PRAP-.110                          | GHTM-15PRAP-.150                          | GHTM-15PRAP-.172                          | GHTM-15PRAP-.190                          | GHTM-15PRAP-.205                          |
| 15S    | GHTM-15SRAP-.080                         | GHTM-15SRAP-.110                          | GHTM-15SRAP-.150                          | GHTM-15SRAP-.172                          | GHTM-15SRAP-.190                          | GHTM-15SRAP-.205                          |
| 21P    | GHTM-21PRAP-.080                         | GHTM-21PRAP-.110                          | GHTM-21PRAP-.150                          | GHTM-21PRAP-.172                          | GHTM-21PRAP-.190                          | GHTM-21PRAP-.205                          |
| 21S    | GHTM-21SRAP-.080                         | GHTM-21SRAP-.110                          | GHTM-21SRAP-.150                          | GHTM-21PRAP-.172                          | GHTM-21SRAP-.190                          | GHTM-21SRAP-.205                          |
| 25P    | GHTM-25PRAP-.080                         | GHTM-25PRAP-.110                          | GHTM-25PRAP-.150                          | GHTM-25PRAP-.172                          | GHTM-25PRAP-.190                          | GHTM-25PRAP-.205                          |
| 25S    | GHTM-25SRAP-.080                         | GHTM-25SRAP-.110                          | GHTM-25SRAP-.150                          | GHTM-25SRAP-.172                          | GHTM-25SRAP-.190                          | GHTM-25SRAP-.205                          |
| 31P    | GHTM-31PRAP-.080                         | GHTM-31PRAP-.110                          | GHTM-31PRAP-.150                          | GHTM-31PRAP-.172                          | GHTM-31PRAP-.190                          | GHTM-31PRAP-.205                          |
| 31S    | GHTM-31SRAP-.080                         | GHTM-31SRAP-.110                          | GHTM-31SRAP-.150                          | GHTM-31SRAP-.172                          | GHTM-31SRAP-.190                          | GHTM-31SRAP-.205                          |
| 37P    | GHTM-37PRAP-.080                         | GHTM-37PRAP-.110                          | GHTM-37PRAP-.150                          | GHTM-37PRAP-.172                          | GHTM-37PRAP-.190                          | GHTM-37PRAP-.205                          |
| 37S    | GHTM-37SRAP-.080                         | GHTM-37SRAP-.110                          | GHTM-37SRAP-.150                          | GHTM-37SRAP-.172                          | GHTM-37SRAP-.190                          | GHTM-37SRAP-.205                          |
| 51P    | GHTM-51PRAP-.080                         | GHTM-51PRAP-.110                          | GHTM-51PRAP-.150                          | GHTM-51PRAP-.172                          | GHTM-51PRAP-.190                          | GHTM-51PRAP-.205                          |
| 51S    | GHTM-51SRAP-.080                         | GHTM-51SRAP-.110                          | GHTM-51SRAP-.150                          | GHTM-51SRAP-.172                          | GHTM-51SRAP-.190                          | GHTM-51SRAP-.205                          |

# GHTM Well-Master™ 260

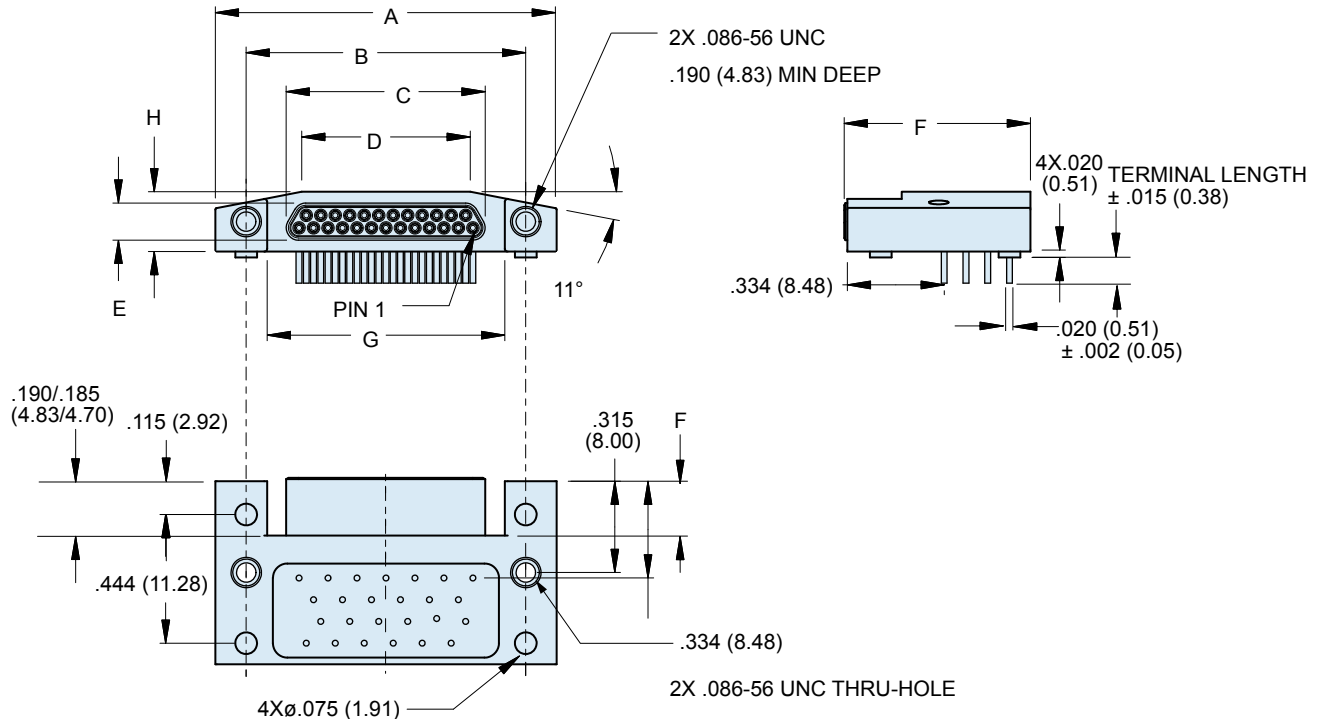
## High Temperature Micro-D

### Right Angle Printed Circuit Board Headers



Micro-D  
Well-Master™ 260

Table I: GHTM Right Angle PCB Dimensions for Pin (Plug) Connector



| Layout | A Max. |       | B          |            | C Max. |       | D    |       | E Max. |      | F Max. |       | G     |       | H Max. |      |
|--------|--------|-------|------------|------------|--------|-------|------|-------|--------|------|--------|-------|-------|-------|--------|------|
|        | In.    | mm.   | In. ± .003 | mm. ± 0.08 | In.    | mm.   | In.  | mm.   | In.    | mm.  | In.    | mm.   | In.   | mm.   | In.    | mm.  |
| 9P     | .785   | 19.94 | .565       | 14.35      | .290   | 7.37  | .181 | 4.60  | .134   | 3.40 | .648   | 16.46 | .420  | 10.67 | .215   | 5.46 |
| 15P    | .935   | 23.75 | .715       | 18.16      | .440   | 11.18 | .331 | 8.41  | .134   | 3.40 | .648   | 16.46 | .570  | 14.48 | .215   | 5.46 |
| 21P    | 1.085  | 27.43 | .865       | 21.97      | .590   | 14.99 | .481 | 12.22 | .134   | 3.40 | .648   | 16.46 | .720  | 18.29 | .215   | 5.46 |
| 25P    | 1.185  | 30.01 | .965       | 24.51      | .690   | 17.53 | .581 | 14.76 | .134   | 3.40 | .648   | 16.46 | .820  | 20.83 | .215   | 5.46 |
| 31P    | 1.335  | 33.91 | 1.115      | 28.32      | .840   | 21.34 | .731 | 18.57 | .134   | 3.40 | .648   | 16.46 | .970  | 24.64 | .215   | 5.46 |
| 37P    | 1.485  | 37.72 | 1.265      | 32.13      | .990   | 25.15 | .881 | 22.38 | .134   | 3.40 | .648   | 16.46 | 1.120 | 28.45 | .215   | 5.46 |
| 51P    | 1.435  | 36.45 | 1.215      | 30.86      | .940   | 23.88 | .831 | 21.11 | .178   | 4.52 | .798   | 20.27 | 1.07  | 27.18 | .258   | 6.55 |

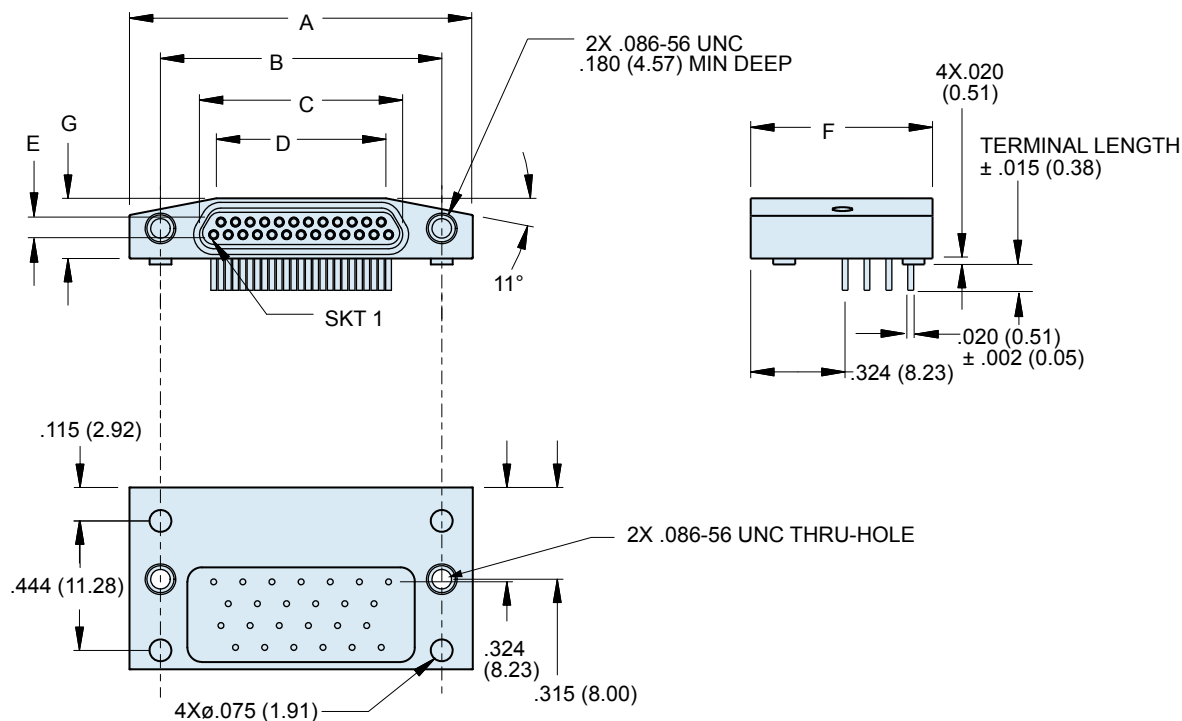


# Well-Master™ 260

## High Temperature Micro-D

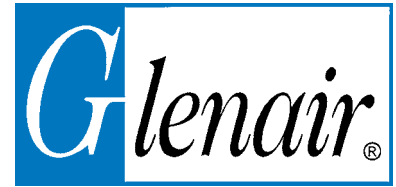
### Right Angle Printed Circuit Board Headers

Table II: GHTM Right Angle PCB Dimensions for Socket (Receptacle) Connector



| Layout     | A Max. |       | B             |               | C Max. |       | D    |       | E Max. |      | F Max. |       | G    |      |
|------------|--------|-------|---------------|---------------|--------|-------|------|-------|--------|------|--------|-------|------|------|
|            | In.    | mm.   | In.<br>± .003 | mm.<br>± 0.08 | In.    | mm.   | In.  | mm.   | In.    | mm.  | In.    | mm.   | In.  | mm.  |
| <b>9S</b>  | .785   | 19.94 | .565          | 14.35         | .301   | 7.65  | .181 | 4.60  | .142   | 3.61 | .629   | 15.98 | .215 | 5.46 |
| <b>15S</b> | .935   | 23.75 | .715          | 18.16         | .451   | 11.46 | .331 | 8.41  | .142   | 3.61 | .629   | 15.98 | .215 | 5.46 |
| <b>21S</b> | 1.085  | 27.43 | .865          | 21.97         | .601   | 15.27 | .481 | 12.22 | .142   | 3.61 | .629   | 15.98 | .215 | 5.46 |
| <b>25S</b> | 1.185  | 30.01 | .965          | 24.51         | .701   | 17.81 | .581 | 14.76 | .142   | 3.61 | .629   | 15.98 | .215 | 5.46 |
| <b>31S</b> | 1.335  | 33.91 | 1.115         | 28.32         | .851   | 21.62 | .731 | 18.57 | .142   | 3.61 | .629   | 15.98 | .215 | 5.46 |
| <b>37S</b> | 1.485  | 37.72 | 1.265         | 32.13         | 1.001  | 25.43 | .881 | 22.38 | .142   | 3.61 | .629   | 15.98 | .215 | 5.46 |
| <b>51S</b> | 1.435  | 36.45 | 1.215         | 30.86         | .951   | 24.16 | .831 | 21.11 | .186   | 4.72 | .779   | 19.79 | .258 | 6.55 |

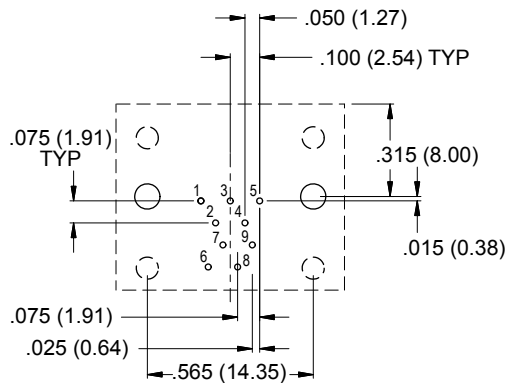
**GHTM Well-Master™ 260**  
**High Temperature Micro-D**  
**Right Angle Printed Circuit Board Headers**



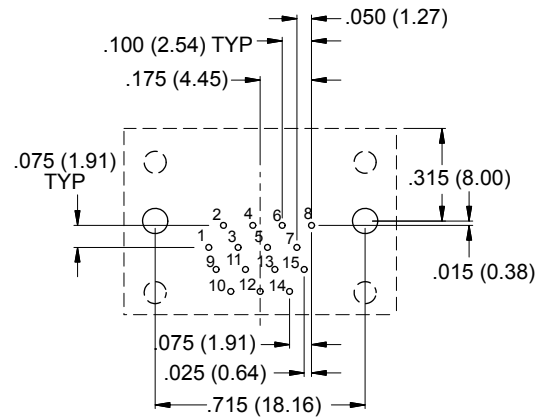
Micro-D  
Well-Master™ 260

**GHTM Right Angle PC Board Layouts: Pin (Plug) Connector**

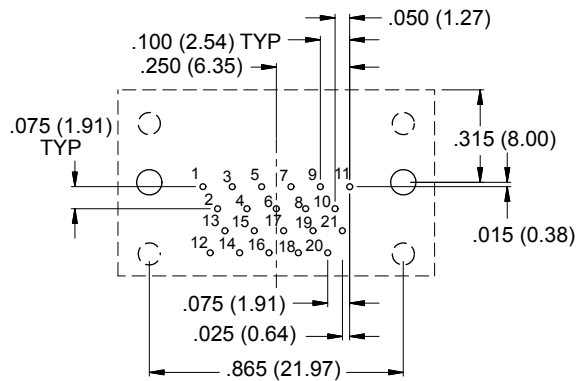
Patterns shown are for component mounting side of PCB. Terminals are .022 (0.56) max. diameter, mounting holes are .093 (2.36) diameter. Segmented lines represent connector body envelope and integral standoff locations.



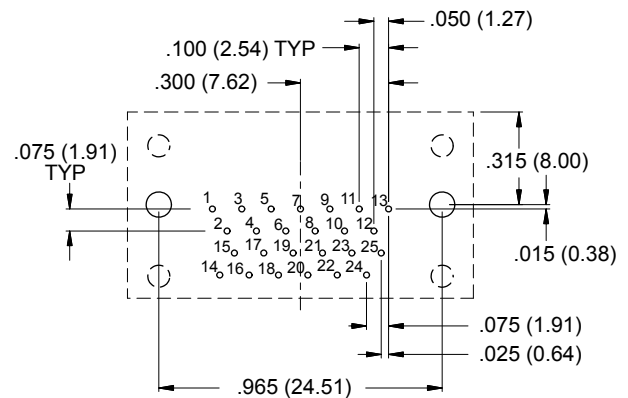
**9 PIN**



**15 PIN**



**21 PIN**

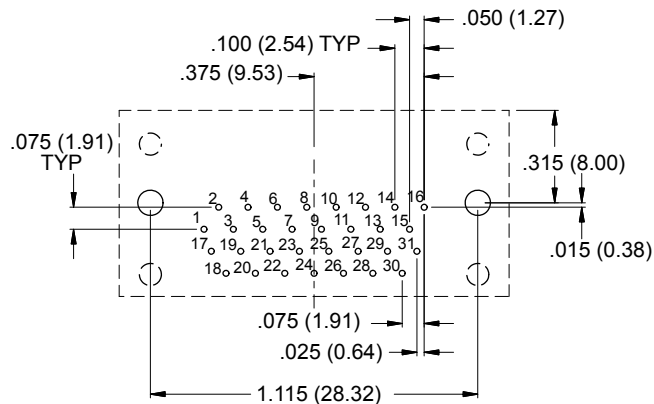


**25 PIN**

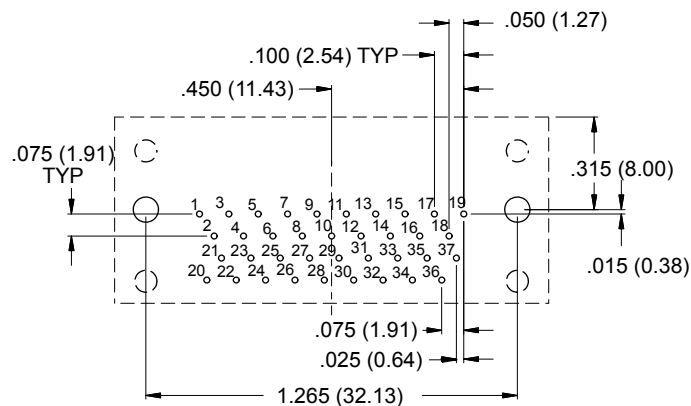


## GHTM Right Angle PC Board Layouts: Pin (Plug) Connector

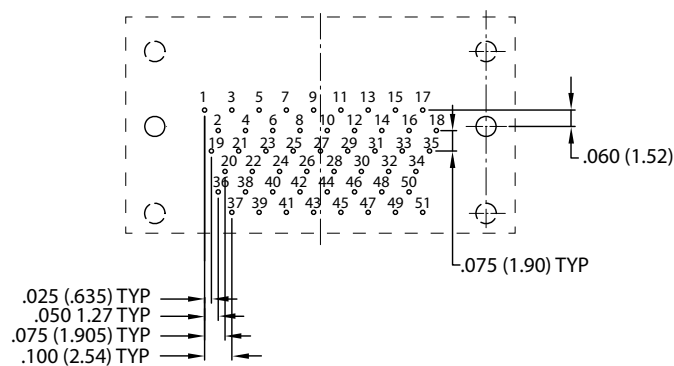
Patterns shown are for component mounting side of PCB. Terminals are .022 (0.56) max. diameter, mounting holes are .093 (2.36) diameter. Segmented lines represent connector body envelope and integral standoff locations.



**31 PIN**



**37 PIN**



**51 PIN**

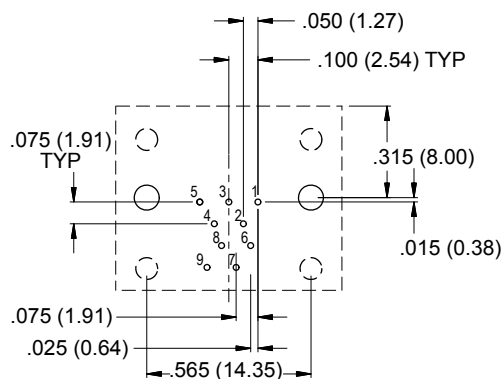
# GHTM Well-Master™ 260 High Temperature Micro-D Right Angle Printed Circuit Board Headers



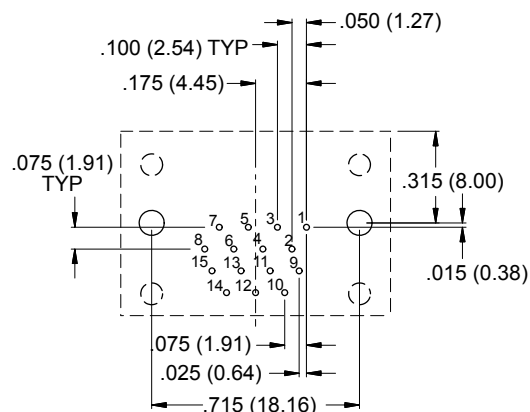
Micro-D  
Well-Master™ 260

## GHTM Right Angle PC Board Layouts: Socket (Receptacle) Connector

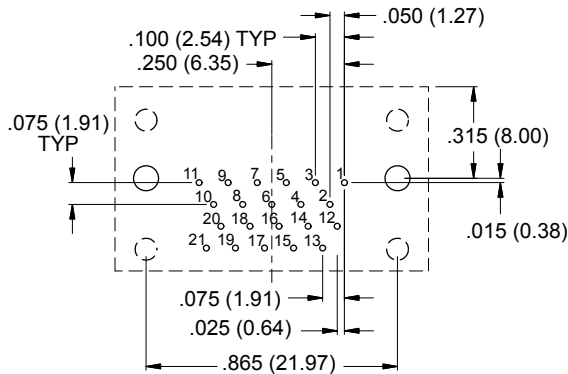
Patterns shown are for component mounting side of PCB. Terminals are .022 (0.56) max. diameter, mounting holes are .093 (2.36) diameter. Segmented lines represent connector body envelope and integral standoff locations.



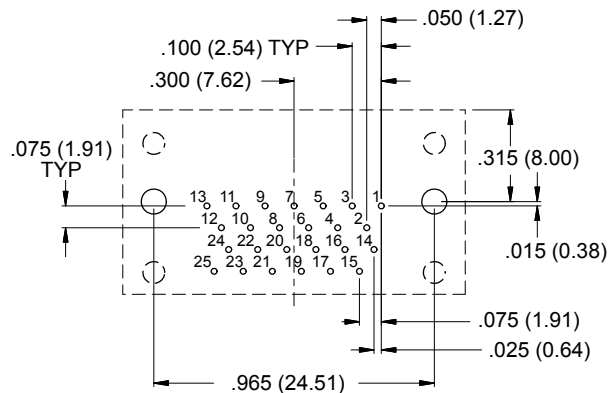
9 SOCKET



15 SOCKET



21 SOCKET



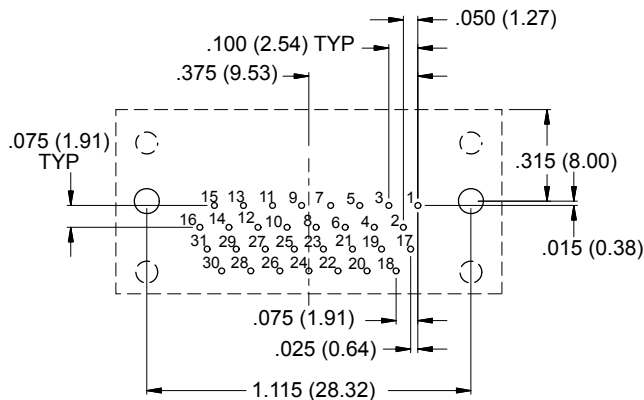
25 SOCKET



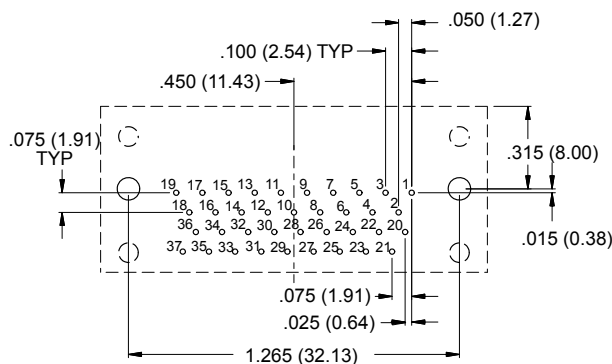
## GHTM Well-Master™ 260 High Temperature Micro-D Right Angle Printed Circuit Board Headers

### GHTM Right Angle PC Board Layouts: Socket (Receptacle) Connector

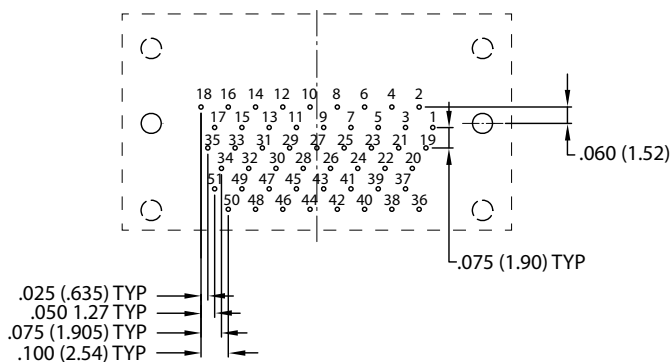
Patterns shown are for component mounting side of PCB. Terminals are .022 (0.56) max. diameter, mounting holes are .093 (2.36) diameter. Segmented lines represent connector body envelope and integral standoff locations.



**31 SOCKET**



**37 SOCKET**



**51 SOCKET**

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