

## TECHNICAL DATA

### Electrical

|                                 |                           |
|---------------------------------|---------------------------|
| Impedance                       | 50 $\Omega$               |
| Frequency range                 | 0~65 GHz                  |
| VSWR                            | 1.25:1                    |
| Contact resistance              |                           |
| -centre contact                 | $\leq 3\text{m}\Omega$    |
| -outer contact                  | $\leq 2.5\text{m}\Omega$  |
| Dielectric withstanding voltage | $>500\text{V}$            |
| Insulation resistance           | $\geq 3000\text{M}\Omega$ |

### Mechanical & Environmental

|                      |                                                                 |
|----------------------|-----------------------------------------------------------------|
| Durability (matings) | $>500$                                                          |
| Temperature range    | $-55\text{ }^{\circ}\text{C} \sim +165\text{ }^{\circ}\text{C}$ |
| RoHS Compliant       | Yes                                                             |

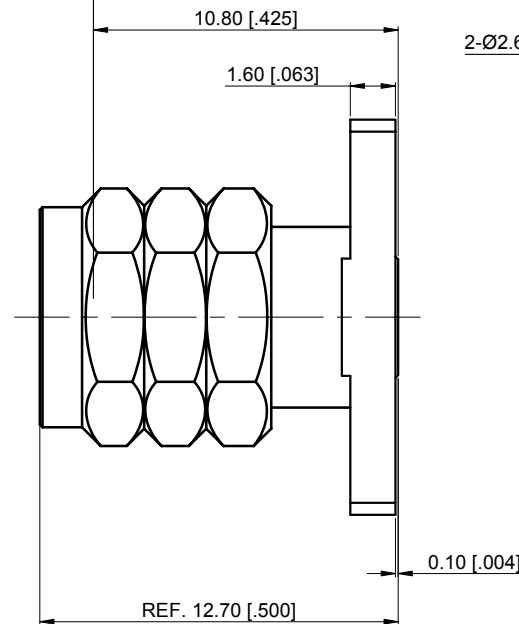
### Material & Finish

|             |                                     |
|-------------|-------------------------------------|
| Body        | Stainless Steel (SU303), Passivated |
| Pin Contact | Beryllium Copper Alloy, Gold-plated |
| Insulator   | PEI                                 |

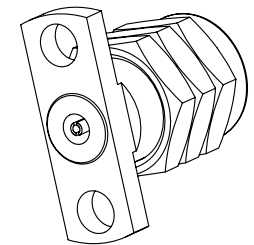
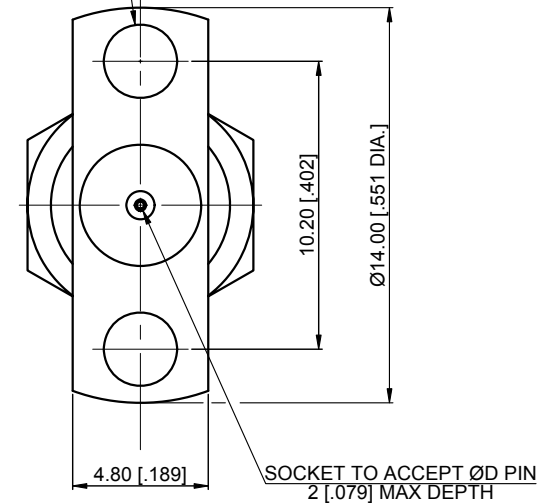
### Interface Standards

|        |           |
|--------|-----------|
| 1.85mm | IEC-61169 |
|--------|-----------|

REF. PLANE



2- $\varnothing 2.60$  [.102 DIA.]



| Part Number    | $\varnothing$ D PIN |
|----------------|---------------------|
| 98-03-9E5-008A | 0.23 [.009]         |
| 98-03-9E5-008B | 0.30 [.012]         |

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES].  
UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES ARE:

|     |                    |
|-----|--------------------|
| .XX | $\pm 0.13$ [.005"] |
| .X  | $\pm 0.20$ [.008"] |
| X   | $\pm 0.50$ [.019"] |

ANGULAR TOLERANCES ARE: ALL  $\pm 1^{\circ}$

DO NOT SCALE DRAWING

PROJECTION:



|           |         |            |
|-----------|---------|------------|
| DRAWN:    | H. Xiao | 07/30/2010 |
| CHECKED:  | YF. Zhu | 07/30/2010 |
| APPROVED: | M. Dong | 07/30/2010 |

TITLE:

1.85mm Straight Male,  
2 Hole Flange,  
Accepts Pin

**CMPPTER**<sup>®</sup>

Cmptter Electronics Co., Ltd. [www.cmptter.com](http://www.cmptter.com)

PART No.:

98-03-9E5-008

SIZE:  
A4

SCALE:  
4:1

SHEET:  
1/1

REV:  
A

### NOTES:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.