

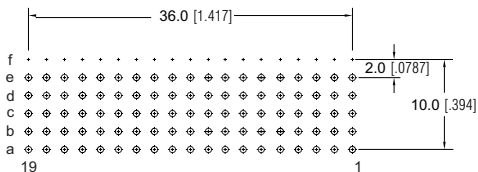
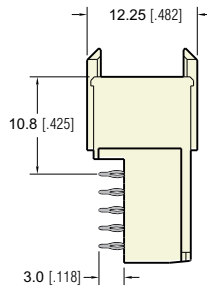
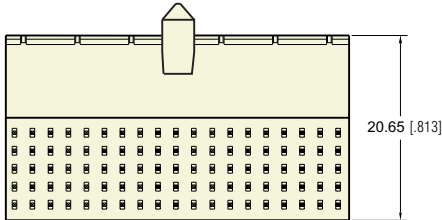
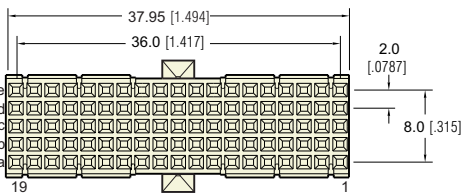
# 2.0 mm HM AB-19 Right Angle Female



## SPECIFICATION

- Insulator Material: PBT 30% Glass filled UL 94 V-O
- Contact Material: Copper Alloy
- Shield Material: Copper Alloy
- Contact Plating:
  - Contact Area: Gold
  - Compliant Area: Matte Tin
  - Performance: Class 1: 500 cycles
  - Class 2: 250 cycles
- Shield Plating:
  - Contact Area: Gold
  - Compliant Area: Matte Tin
- Temperature Range: -55 C to +125 C
- Contact Resistance: 20 M $\Omega$  Max.
- Insulation Resistance: 10 M $\Omega$  Max.
- Working Current: 1.5 ADC (Signal)
- Test Voltage: AC 750 V Min.
- Compliant Section:
  - Insertion Force: 100 N per contact Max.
  - Withdrawal Force: 20 N per contact Min.
- Mating Force: .75 N per pin Max.
- Withdrawal Force: .15 N per pin Max.
- PCB Hole Size Requirements:
  - Drilled Hole Diameter:  $0.7 \pm 0.02$ mm
  - Finished Hole Diameter:  $0.6 \pm 0.05$ mm
- Recommended PCB Thickness: 1.6mm Min.
- IEC 61076-4-101 Standard

The **E-Z met** Type AB-19 connector provides 95 contacts as well as pre-alignment guides. These connectors are available either with or without integrated upper ground return shields. Lower ground return shields may be ordered separately.



## BOARD LAYOUT

## PART NUMBERING

71-AB19-X0-X

**SERIES CODE**  
2mm Hard Metric Female

**TYPE**  
AB19

**UPPER SHIELD**  
0 = Without Upper Shield  
1 = With Upper Shield

**CONTACT LOADING**  
1 = A, B, C, D, E  
2 = A, B, C, D  
3 = A, B, C  
4 = A, D, E  
5 = B, D

