2.0mm HM Type AB-19 Vertical Male

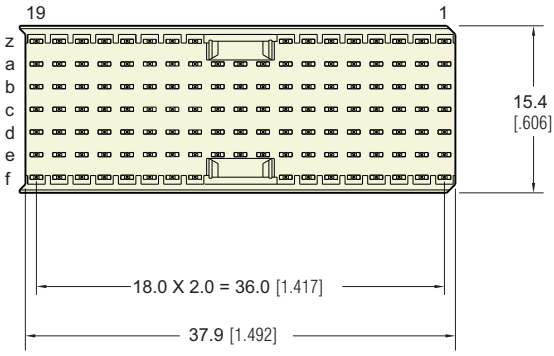
Type AB-19, Vertical Male 95 Pin Connector

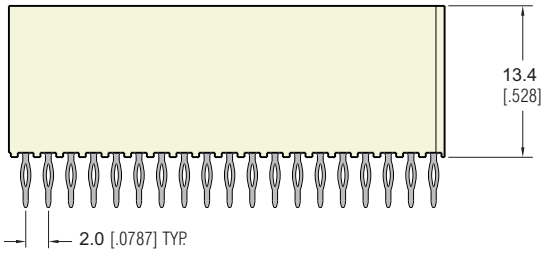
The **E-Z met**™ type AB-19 vertical male connector provides 95 signal contacts and an additional 32 ground shield contacts in a 5+2, 19 position configuration. This module is not designed to be used alone, but can be used together with either a type A, B, C, L, M or N **E-Z met**™ connector.

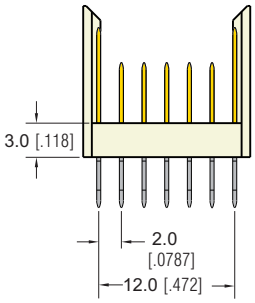
ECS offers 15 different standard tail lengths to choose from to provide various pre mate and mid plane configurations. Contacts can be selectively loaded to accommodate customer specific applications. Custom tail lengths and mold configurations are also available. For non standard loading, or custom applications, please email ECS at custsvc@ecsconn.com.

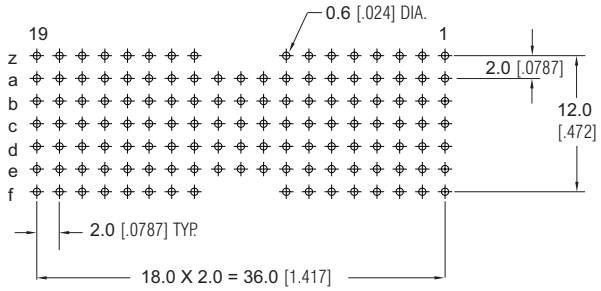
SPECIFICATION

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

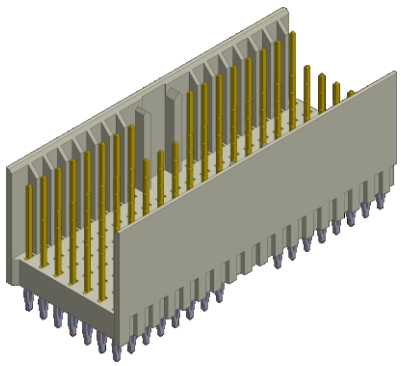




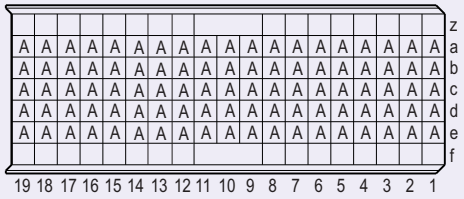
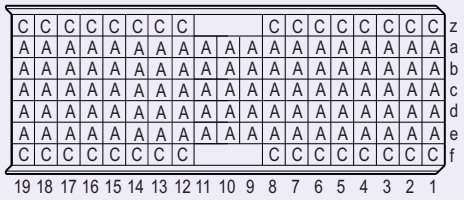
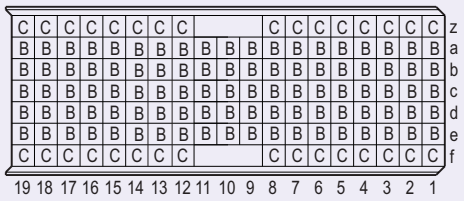
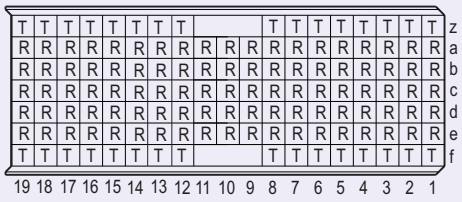




P.C. BOARD LAYOUT



Dimensions are in mm [inch]

Identification	Number of Contacts	Contact Mating Side	Termination Side	Part Number	Contact Configuration
Type AB	95	8.2 [.323]	3.7 [.146]	70-95-AB19-1001	
Type AB	127	8.2 [.323] 11.2 [.441]	3.7 [.146]	70-127-AB19-1001	
Type AB	127	9.7 [.382] 11.2 [.441]	3.7 [.146]	70-127-AB19-1101	
Type AB	127	8.2 [.323] 11.2 [.441]	3.7 [.146]	70-127-AB19-1201 **70-127-AB19-2201**	

Bold part numbers are for Level 2 plating.