

# 2.0mm HM Type AB-22 Vertical Male



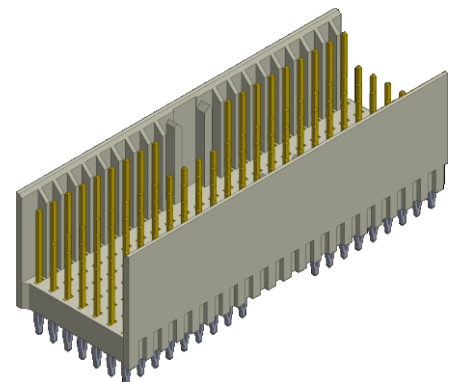
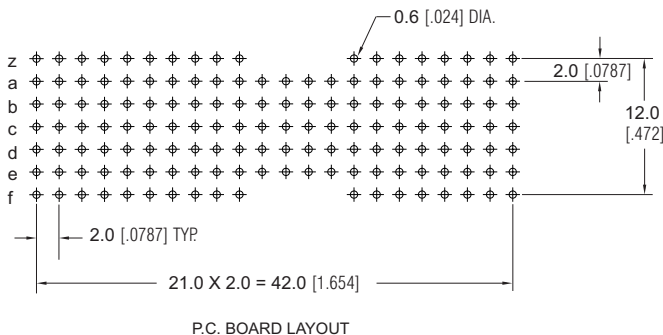
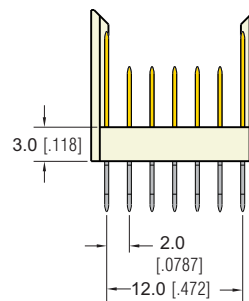
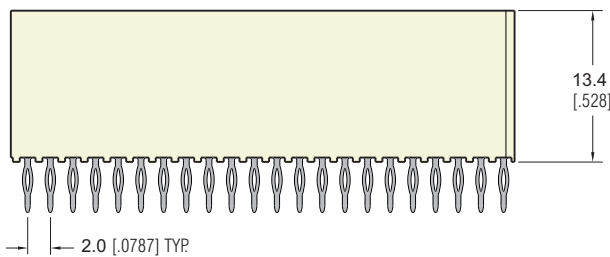
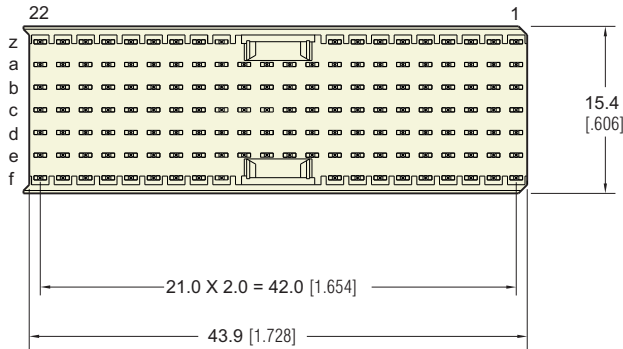
## Type AB-22, Vertical Male 110 Pin Connector

The **E-Z met™** type AB-22 vertical male connector provides 110 signal contacts and an additional 36 ground shield contacts in a 5+2, 22 position configuration. This module is not designed to be used alone, but can be used together with either a type A, 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](mailto: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:  $0.7 \pm 0.02$ mm
  - Finished Hole Diameter:  $0.6 \pm 0.05$ mm
15. Recommended PCB Thickness: 1.6mm Min.
16. IEC 61076-4-101 Standard



Identification	Number of Contacts	Contact Mating Side	Termination Side	Part Number	Contact Configuration
Type AB	110	8.2 [.323]	3.7 [.146]	70-110-AB22-1001	
Type AB	146	8.2 [.323] 11.2 [.441]	3.7 [.146]	70-146-AB22-1001	
Type AB	146	9.7 [.382] 11.2 [.441]	3.7 [.146]	70-146-AB22-1101	
Type AB	146	8.2 [.323] 11.2 [.441]	16.0 [.630]	<b>70-146-AB22-1301</b> <b>70-146-AB22-2301</b>	

**Bold part numbers are for Level 2 plating.**

