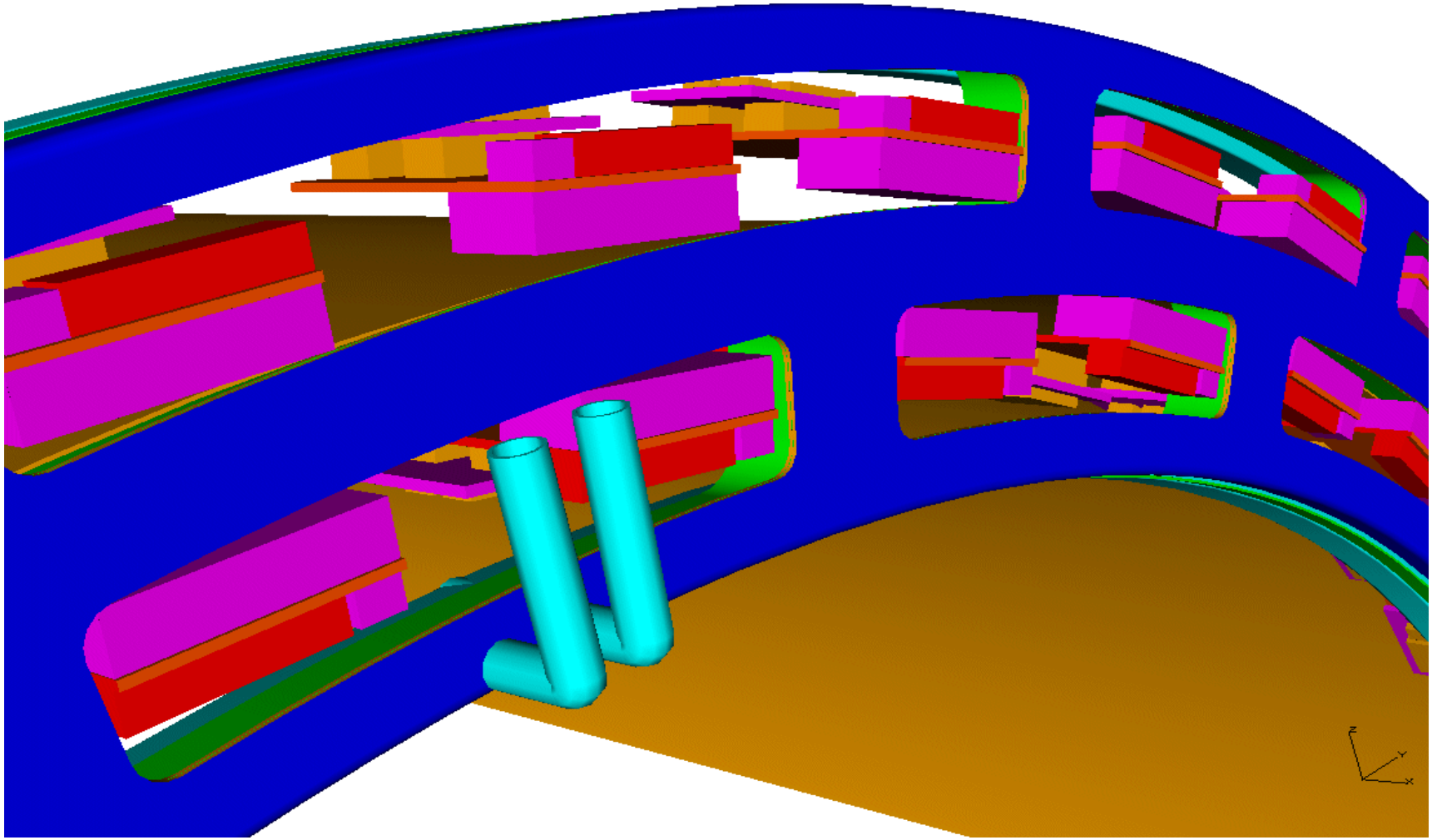
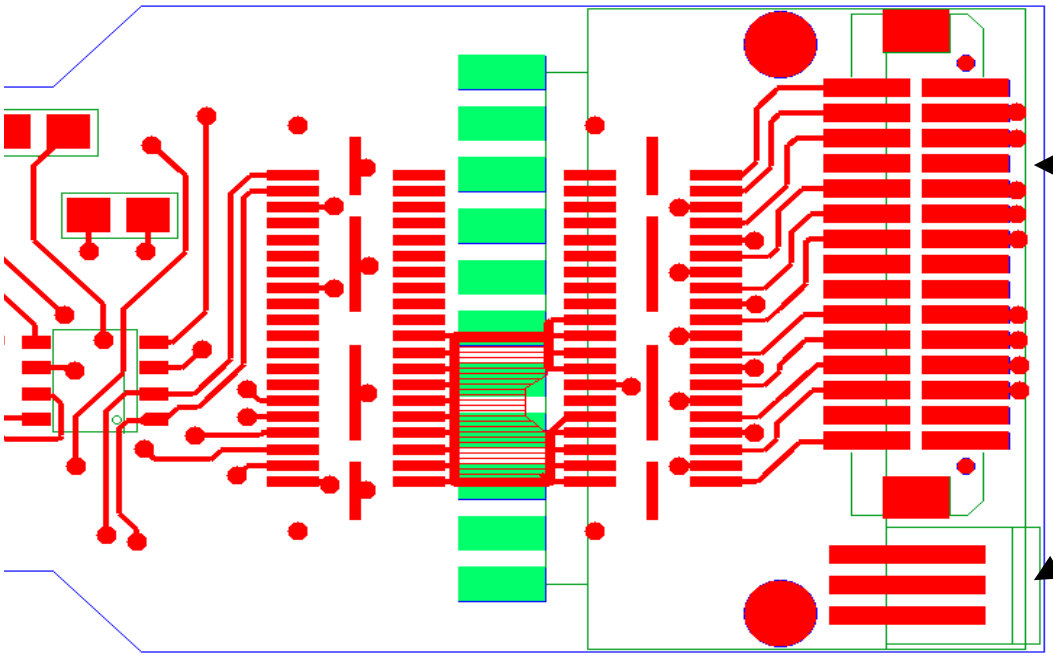
Layer 3 - 3D view



Connectors layout

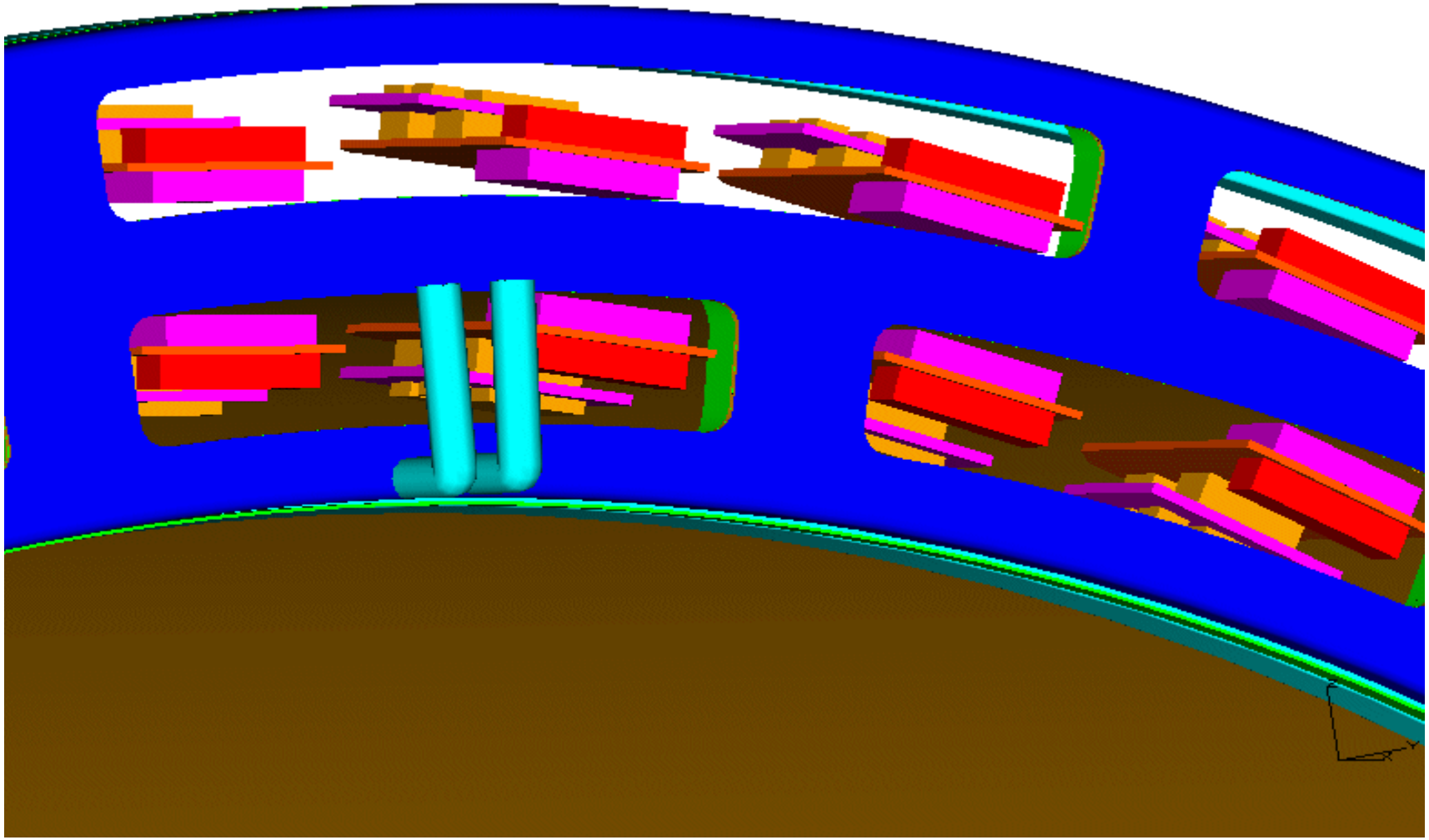


Molex 53505-3090
(TOP)

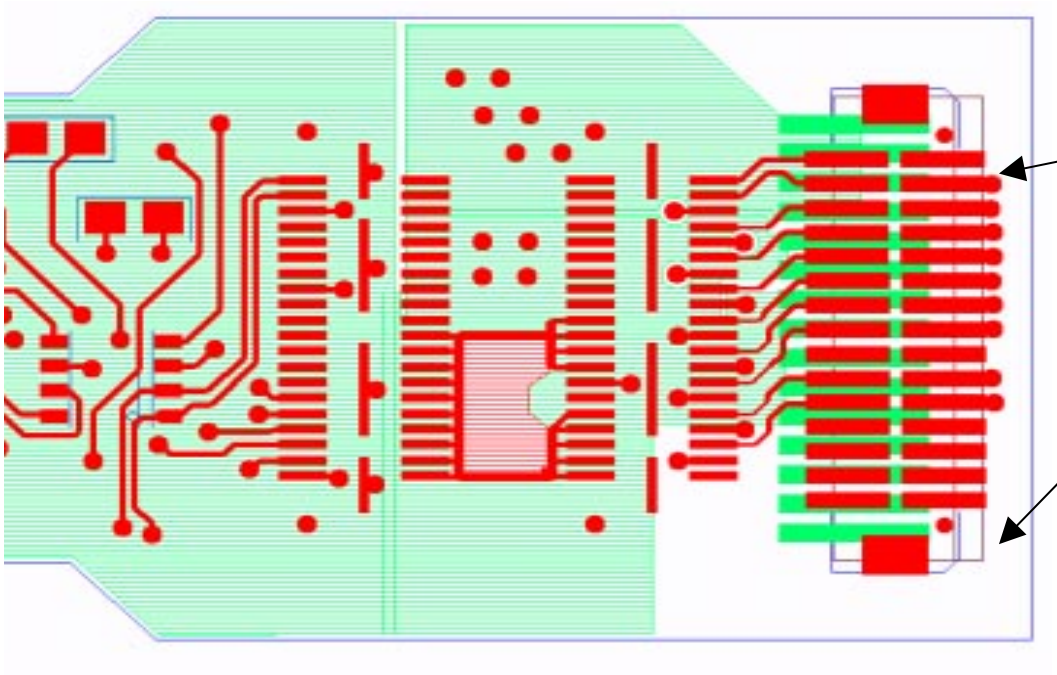
Molex 87438 -0333
(TOP)

Molex 70634/70066
(Bottom)

Layer 3 - 3D view



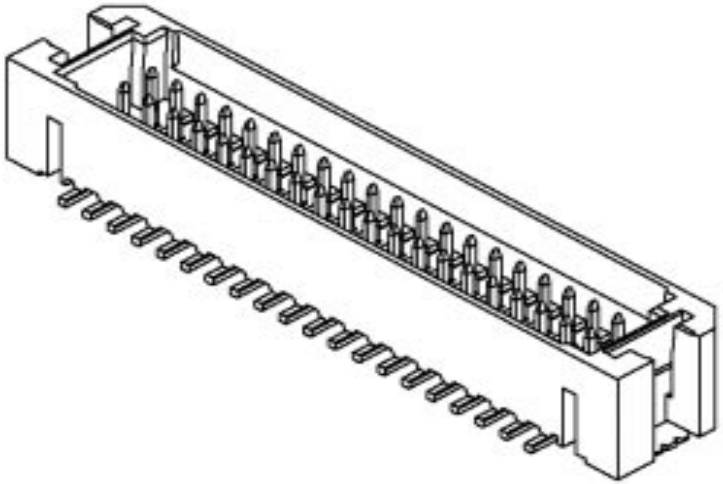
Connectors layout



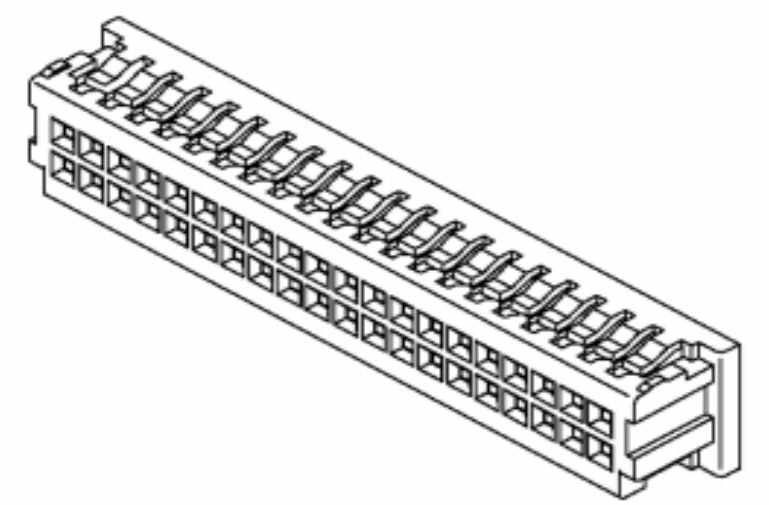
Molex 53505-3090
(TOP)

Molex 87438-1533
(Bottom)

Signal connector (Molex)

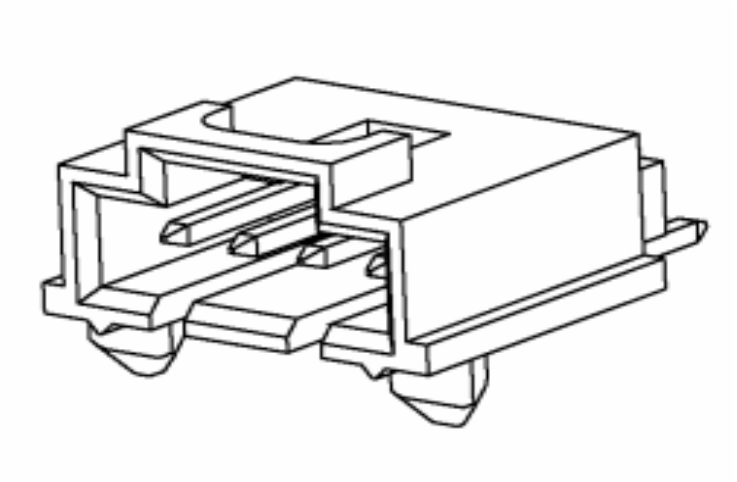


PN: 53505-3090
Circuits: 30
Dim: 24.85x6x5
Current:1.0A
ContactResistance:20m Ω max
Housing:Glass-filledPPA,UL94V-0

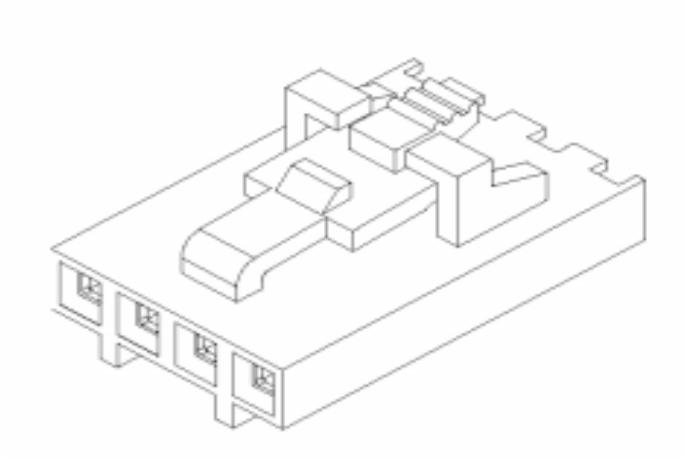


PN: 51127-3005
Housing:PBTP,UL94V-0
Matedheight:5.9mm
CrimpTerminalPN:50516

Power connector (Molex)

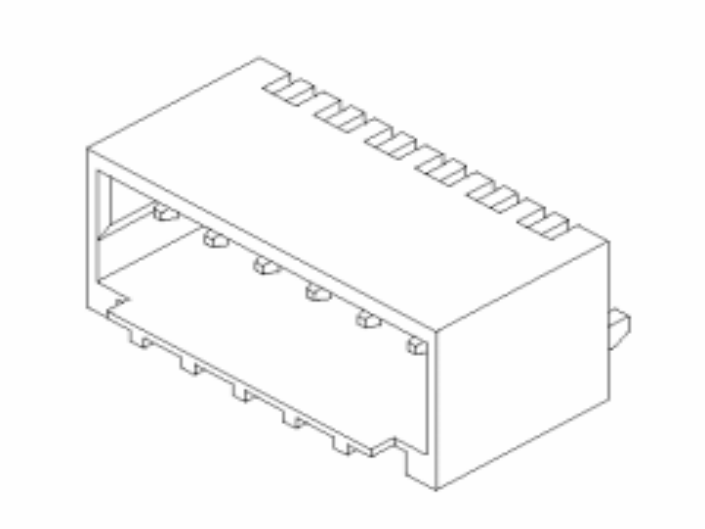


PN: 15-91-3113
Circuits: 11
Dim: 31.75x13.68x7 mm
Current:3.0A
ContactResistance:15m Ω max
Housing:Glass-filledPCT,UL94V-0

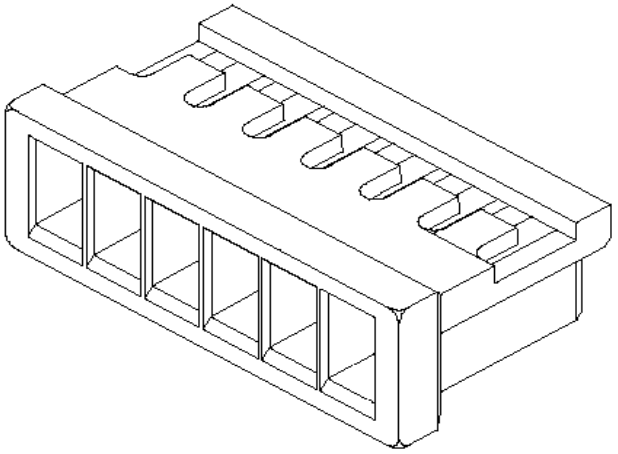


PN: 50-57-9411
Housing:Glass-filledpolyester,UL94V-0
Matedheight:20mm
CrimpTerminalPN:16-02-0088

HV connector (Molex)

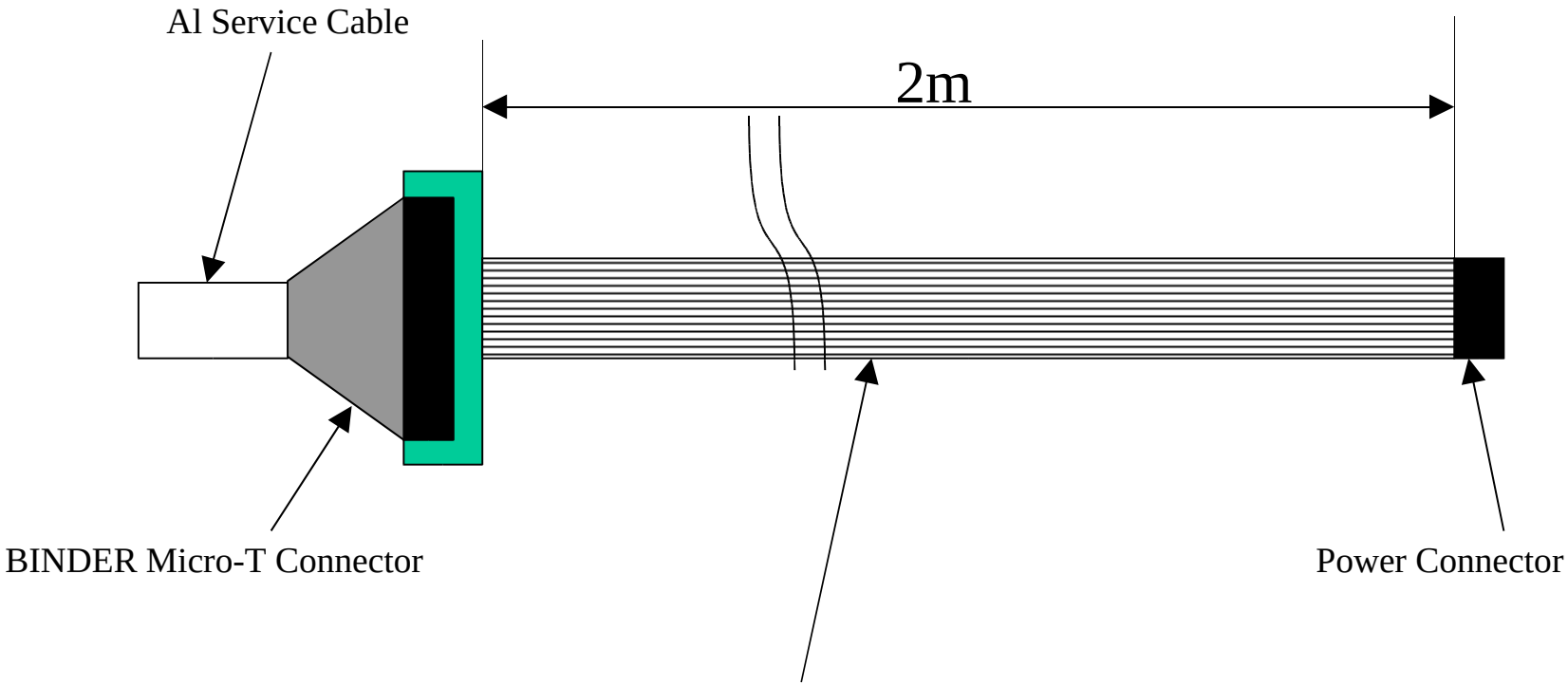


PN: 87438-0333
Circuits: 3
Dim: 5.8x4.45x5.75 mm
Current:2.0A
ContactResistance:40m Ω max
Housing:Glass-filled4/6nylon,UL94V-0



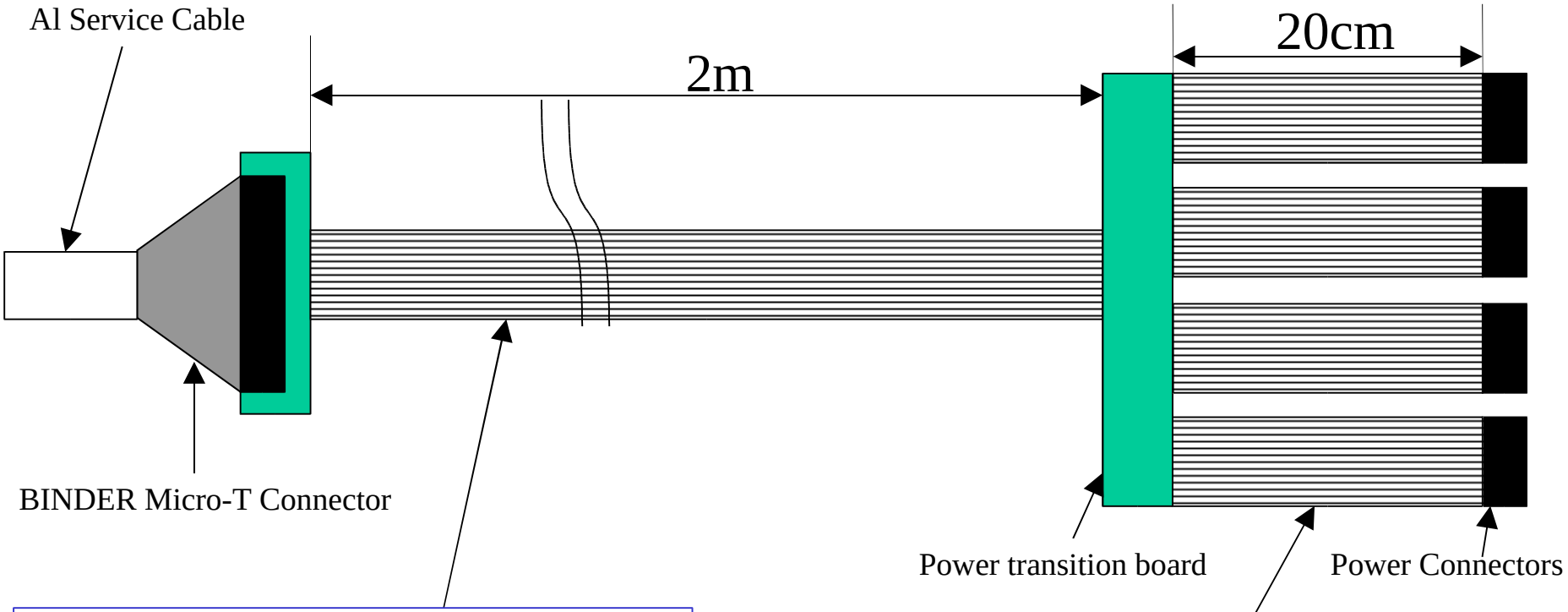
PN: 87439-0300
Housing:Glass-filled6/6nylon,UL94V-0
Matedheight:7mm
CrimpTerminalPN:87421

Power Supply in layers 1&2



VSS: 4 x 22AWG + sense
V125: 1 x 22AWG + sense
V250: 3 x 22AWG + sense
HV: 3 x 30AWG

Power Supply in layers 3&4



VSS: 4 x 22AWG + sense
V125: 1 x 22AWG + sense
V250: 3 x 22AWG + sense
HV: 3 x 30AWG

VSS: 5 x 22AWG
V125: 2 x 22AWG
V250: 4 x 22AWG
HV: 1 x 30AWG

Control ring interconnections