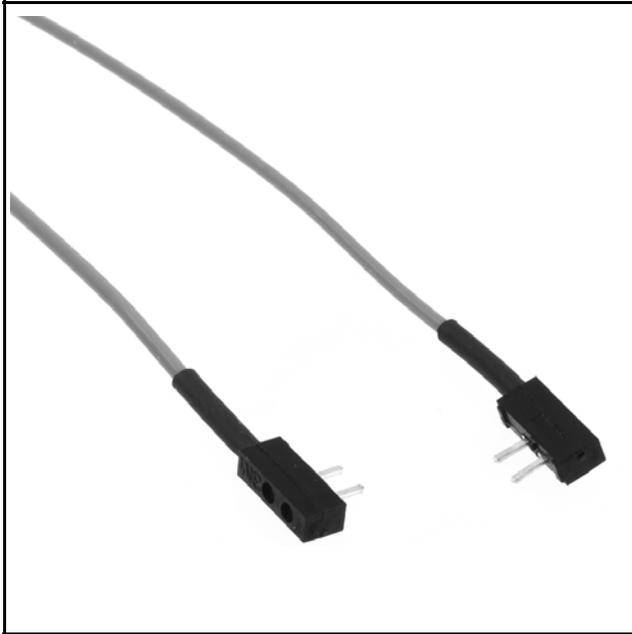


3M™ Monosignal 2-Pin PCB

Mini Coaxial PCB connector, Type 51 and 53



- .100" [2.54 mm] center spacing
- Supplied as a complete assembly only
- Low profile -.150" from board
- Side-stackable
- Solderable to the PC board
- Molded-in strain relief
- Solderable to the PC board
- RoHS* compliant version (53) available

Date Modified: September 18, 2006

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Sheet 1 of 2

Physical

Insulation Material: Polyamide

Color: Black

Flammability: UL 94V-0

Contact

Material: Spring Temper CDA 77000, .016" thick × .025" wide

Plating

Underplating: 20-50μ" [0.508-1.27μm] Nickel

Overplating: 10μ" [0.25μm] Average Gold (Type 53)

Overplating: 100-300μ" [2.54-7.62μm] Tin-Lead (Type 51)

Electrical

Current Rating: 1 A maximum/contact

Contact Resistance: 25 milliohms maximum

Insulation Resistance: 5000Ω minimum

Dielectric Withstanding Voltage: 500 Vrms @ 60 Hz

Mechanical

Strain Relief Axial Pull: 8 lbs.

Center Spacing: .100" [2.54 mm]

Pin Length: .110" [2.79 mm] or .160" [4.06]

Mating Device: .100" x .100" [2.54 mm x 2.54 mm] plated through hole pattern

Environmental

Temperature Rating: -55°C to +105°C

"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

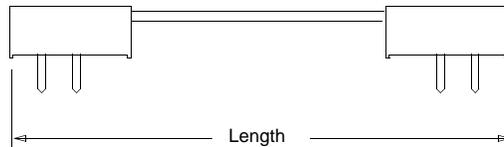
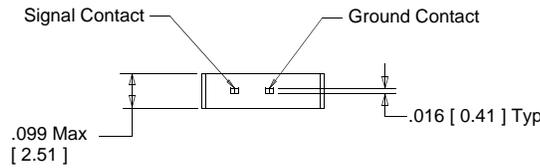
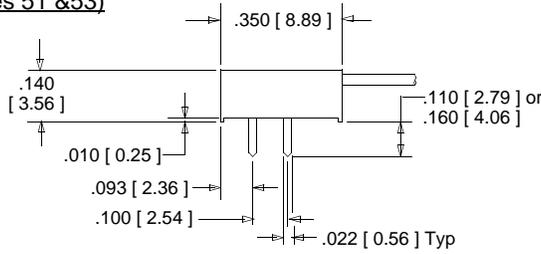
UL File No.: 86982

3M™ Monosignal 2-Pin PCB

Mini Coaxial PCB connector, Type 51 and 53



**2-Pin PCB
Series 100
(Styles 51 & 53)**



Assembly Tolerances:
(end to end):
<math> < 036'' \pm 1/2'' </math>
$036'' \text{ to } 120'' \pm 1''$
$> 120'' \pm 2''$
Minimum Length 4.0"

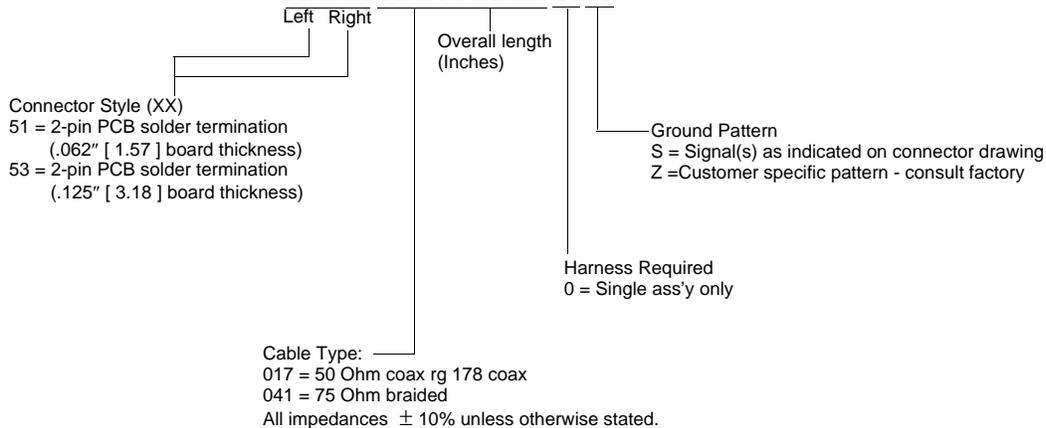
Inch
[mm]

Tolerance Unless Noted			
	.0	.00	.000
inch	±.1	±.01	±.005

[] Dimensions for Reference Only

Ordering Information

98XXX-XXX-XXX.X-X X



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Sheet 2 of 2

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