

Monday 7th July, 2008

Dear Customer,

Re: RoHS compliance for product Datamate Mix-Tek, 2-row connectors.

I can hereby confirm that the products listed below are fully compliant to the RoHS legislation, otherwise known as the EC Directive 2002/95/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS). The products are constructed with the following:

Connector assemblies (M80-x00000xx-xx-xxx-xx-xxx, M80-xxxxx05xx-xx-xxx-xx-xxx, M80-xxxxx42xx-xx-xxx-xx-xxx):

- The connector moulding is PPS - this plastic is fully compliant, and is also resistant to the higher soldering temperatures evident in lead-free soldering processes.
- The jackscrew and circlip (where assembled) are Stainless Steel (unplated) – the chromium content of this material is Metallic Chromium, not Hexavalent Chromium, and is therefore fully compliant.

Female signal contacts (M80-4xxxx05xx-xx-xxx-xx-xxx):

- The signal contact shell is Brass – although this contains a small percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The signal contact shell plating is Gold over Nickel, and is therefore fully compliant.
- The signal contact clip is Beryllium Copper – although this may contain a trace percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The signal contact clip plating is Gold over Nickel, and is therefore fully compliant.

Female signal contacts (M80-4xxxx42xx-xx-xxx-xx-xxx):

- The signal contact shell is Brass – although this contains a small percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The signal contact shell plating is 100% Tin over Nickel, and is therefore fully compliant.
- The signal contact clip is Beryllium Copper – although this may contain a trace percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The signal contact clip plating is Gold over Nickel, and is therefore fully compliant.

Male signal contacts (M80-5xxxx05xx-xx-xxx-xx-xxx):

- The signal contact pin is Phosphor Bronze – although this may contain a trace percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The signal contact pin plating is Gold over Nickel, and is therefore fully compliant.

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Male signal contacts (M80-5xxxx42xx-xx-xxx-xx-xxx):

- The signal contact pin is Phosphor Bronze – although this may contain a trace percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The signal contact pin plating is Gold on the contact area, 100% Tin on the tails, all over Nickel, and is therefore fully compliant.

Female coax contacts (M80-4xxxxxxxx-xx-XXX-xx-XXX where XXX is 300 to 309):

- The coax body is Brass – although this contains a small percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The coax body plating is Gold over Nickel, and is therefore fully compliant.
- The coax inner contact is Beryllium Copper – although this may contain a trace percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The coax inner contact plating is Gold over Nickel, and is therefore fully compliant.
- The coax insulator moulding is PTFE – this plastic is fully compliant, and is also resistant to the higher soldering temperatures evident in lead-free soldering processes.
- The latching collar is Beryllium Copper – although this may contain a trace percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The latching collar plating is Nickel, and is therefore fully compliant.

Male coax contacts (M80-5xxxxxxxx-xx-XXX-xx-XXX where XXX is 310 to 319):

- The coax body and inner contact are Brass – although this contains a small percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The coax body and inner contact plating is Gold over Nickel, and is therefore fully compliant.
- The coax insulator moulding is PTFE – this plastic is fully compliant, and is also resistant to the higher soldering temperatures evident in lead-free soldering processes.
- The latching collar is Beryllium Copper – although this may contain a trace percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The latching collar plating is Nickel, and is therefore fully compliant.


All power contacts (M80-xxxxxxxx-xx-XXX-xx-XXX where XXX is 320 to 339):

- The power contact body is Brass – although this contains a small percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The power contact body plating is Gold over Nickel, and is therefore fully compliant.
- The latching collar (where assembled) is Beryllium Copper – although this may contain a trace percentage of lead, the legislation allows for up to 4% lead content within copper alloys.
- The latching collar plating (where assembled) is Nickel, and is therefore fully compliant.

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If you have any further questions regarding this letter, please do not hesitate to contact me.

Yours faithfully,



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