

# Agilent's Materials Composition Implementations

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**Agilent Technologies**

# Agilent Strategies

1- Agilent is advocating RN as the standard for x-free material composition data exchange

Why? Mature open source available to all, has tremendous extensible capabilities for those that don't use it today, makes MatComp a no-brainer for those that do, is widely used and accepted, continues to be viable even if RN ceases to exist as an organization.

Why does Agilent care- RN allows disparate approaches to work together without forcing a company to change its internal data base software, but unlike other approaches, RN already exists, is proven, and the PIPs are free for all to use! Agilent's in-depth reviews with 12 large suppliers ranging from EMS to discretos shows that no one database software will emerge as an acceptable solution for all.

# Agilent Strategies

2- Agilent believes that moving beyond the scope of x-free regulations should remain strictly a per-OEM and per-product proposition.

Just because it can be done for one OEM and one application does not mean it should now be required of every OEM and every product.

Beyond compliance must be driven by seller-customer relationships, not industry trade associations. Let the huge "greening" efforts that have developed over the last ten years continue to take their course in the realm of voluntary product stewardship initiatives.



# Agilent Semiconductor Products Group Strategy



**Agilent Technologies**

**Semiconductor Products Group**

**Agilent Technologies, Incorporated**  
**395 Page Mill Road**  
**Palo Alto, California, USA 94303**

<b>Date/Time Revision</b>		20040615T1500		6.0			
<b>Manufacturing site</b>		Penang					
<b>Product Number:</b>		HEMT-3xxx, HLMP-0xxx, 3xxx, 4xxx, Axxx, Bxxx, Cxxx, Dxxx, Exxx, Fxxx, Gxxx, Rxxx, Wxxx, HLMA-SHxx					
<b>Product Information</b>	<b>Product Name:</b>	Through Hole LED 'Lamps'					
	<b>Product Mass</b>	0.2500	to	0.4000	gram (min, max)		
	<b>Product Note:</b>	This product (weight and materials) information applies to 'Through Hole' T1 3/4 LEDs					
<b><u>Material Composition Information:</u></b>							
Sub part ref	Sub-part Name	Material	Material Trade Name	Material Mass (g) Minimum	Material Mass (g) Maximum	Percent of product (%) Minimum	Percent of product (%) Maximum
SPA	Encapsulation	Polymer	Epoxy	0.1250	0.2400	50.00%	60.00%
SPB	Leadframe	Metal	Mild Steel	0.1000	0.2000	40.00%	50.00%



# Agilent Strategy: RosettaNet 2A10

- **Server to Server**
  - Preferred
- **Excel with macro**
  - Simple
  - Low-cost

# Agilent Strategy: RosettaNet 2A10

Microsoft Excel - PIP2A10\_20040819

File Edit View Insert Format Tools Data Window Help

110% Conditional Formatting...

Arial 9 B I U ABC A A

	A	B	C	D	E	F
1	SendStatus				8/31/2004 8:02	
2	FileName				AT_123.xml	
3	FromRole				John Johnson	
4	ToRole				Phil Phillips	
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7	agreementIdentifier				AT_matcomp123	
8	GlobalActionCode				Add	
9	Version				1	
10	thisDocumentGenerationDateTime				8/31/2004 8:02	
11	thisDocumentIdentifier				AT_MatComp1	
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14	RJS002-001	RJP002-001	1	<a href="#">Information Sender Product Number ( M..32 )</a>	Add	HEMT-3xxx
15	RJS002-001	XJE136-11	1	<a href="#">Mass ( NR3 S..3.3ES2 : kilogram )</a>	Add	0.004
16	RJS005-001	RJP013-001	2	<a href="#">Asbestos ( M..255 )</a>	Add	All
17	RJS005-001	RJP008-001	2	<a href="#">Material or Substance Mass ( NR3 S..3.3ES2 : Kg )</a>	Add	0
18	RJS005-001	RJP025-001	2	<a href="#">Lead/Lead Compounds ( M..255 )</a>	Add	7439-92-1
19	RJS005-001	RJP008-001	2	<a href="#">Material or Substance Mass ( NR3 S..3.3ES2 : Kg )</a>	Add	0.000074
20	RJS005-001	RJP024-001	2	<a href="#">Hexavalent Chromium/Hexavalent Chromium Compounds (Chromium VI and its Compounds) ( M..255 )</a>	Add	All
21	RJS005-001	RJP008-001	2	<a href="#">Material or Substance Mass ( NR3 S..3.3ES2 : Kg )</a>	Add	0
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23	GlobalActionCode					
24	Version					
25	Location					
26	ObjectName					
27	Legal					
28	ProprietaryObjectIdentifier					
29	modificationDate					
30	ProductInformationObject:href					
31	GlobalActionCode					

NewSheet FromRole\_ToRole Dictionary\_new Dictionary

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# Agilent Strategy: RosettaNet 2A10

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- <DataElement DictionaryReference="RJP001-001">

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