


Material Declaration for S1991-46R

Product Information	
Part Number:	S1991-46R
Part Description:	Spring Contact
Part Weight (g):	0.124

Process Data	
Peak Reflow (Deg. C)	260°C for 10 seconds
Termination Finish	100% Tin over Nickel
RoHS Compliant? (Y/N)	Yes

Note: Tin plating is subject to 1,000ppm max Lead impurity.

Prepared by: 

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Contact - Cupro-Nickel	0.112	5%	Copper	7440-50-8
	0.00324	5%	Nickel	7440-02-0
	0.000361	5%	Cobalt	7440-48-4
	0.000843	1%	Silicon	7440-21-3
	0.000205	0.5%	Magnesium	7439-95-4
Contact - Plating	0	0.000233g max	Iron (impurity only)	7439-89-6
	0	0.000056g max	Lead (impurity only)	7439-92-1
	0	0.00116g max	Zinc (impurity only)	7440-66-6
	0	0.000116g max	Manganese (impurity only)	7439-96-5
	0	0.000582g max	Other Impurities	
	0.00352	10%	Nickel	7440-02-0
	0.00433	10%	Tin	7440-31-5

Martin J Perry, BSC(Eng) MSc CEng MIET
 Compliance Specialist
 complianceteam@harwin.com

On behalf of:

