

Material Declaration for H2171-XX

Product Information	
Part Number:	H2171-01
Part Description:	Ø1.0mm Terminal Pin
Part Weight (g):	0.151

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

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Terminal - Brass	0.0845	2%	Copper	7440-50-8
	0.0568	1%	Zinc	7440-66-6
	0.00437	0.5%	Lead	7439-92-1
	0	0.000437g max	Iron (impurity only)	7439-89-6
	0	0.000437g max	Tin (impurity only)	7440-31-5
	0	0.000437g max	Nickel (impurity only)	7440-02-0
Terminal - Plating	0	0.000073g max	Aluminium (impurity only)	7429-90-5
	0	0.000291g max	Other Impurities	
	0.00132	10%	Nickel	7440-02-0
	0.00422	10%	Tin	7440-31-5

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

Product Information	
Part Number:	H2171-05
Part Description:	Ø1.0mm Terminal Pin
Part Weight (g):	0.147

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

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Terminal - Brass	0.0845	2%	Copper	7440-50-8
	0.0568	1%	Zinc	7440-66-6
	0.00437	0.5%	Lead	7439-92-1
	0	0.000437g max	Iron (impurity only)	7439-89-6
	0	0.000437g max	Tin (impurity only)	7440-31-5
	0	0.000437g max	Nickel (impurity only)	7440-02-0
Terminal - Plating	0	0.000073g max	Aluminium (impurity only)	7429-90-5
	0	0.000291g max	Other Impurities	
	0.00132	10%	Nickel	7440-02-0
	0.000107	5%	Gold	7440-57-5

Prepared by: 

Martin J Perry, BSc(Eng) MSc CEng MIET
Compliance Specialist
ComplianceTeam@harwin.co.uk

On behalf of:

HARWIN