

## Material Declaration for H2175-XX

Product Information	
Part Number:	H2175-01
Part Description:	Ø1.0mm Terminal Pin
Part Weight (g):	0.0461

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	0.0255	2%	Copper	7440-50-8
	0.0171	1%	Zinc	7440-66-6
	0.00132	0.5%	Lead	7439-92-1
	0	0.000132g max	Iron (impurity only)	7439-89-6
	0	0.000132g max	Tin (impurity only)	7440-31-5
	0	0.000132g max	Nickel (impurity only)	7440-02-0
Terminal - Plating	0	0.000022g max	Aluminium (impurity only)	7429-90-5
	0	0.000088g max	Other Impurities	
	0.00052	10%	Nickel	7440-02-0
	0.00166	10%	Tin	7440-31-5

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

Product Information	
Part Number:	H2175-05
Part Description:	Ø1.0mm Terminal Pin
Part Weight (g):	0.0445

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	0.0255	2%	Copper	7440-50-8
	0.0171	1%	Zinc	7440-66-6
	0.00132	0.5%	Lead	7439-92-1
	0	0.000132g max	Iron (impurity only)	7439-89-6
	0	0.000132g max	Tin (impurity only)	7440-31-5
	0	0.000132g max	Nickel (impurity only)	7440-02-0
Terminal - Plating	0	0.000022g max	Aluminium (impurity only)	7429-90-5
	0	0.000088g max	Other Impurities	
	0.00052	10%	Nickel	7440-02-0
	0.000042	5%	Gold	7440-57-5

Prepared by:

*M. J. Perry*

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

On behalf of:

**HARWIN**