

Material Declaration for M80-319

Product Information	
Part Number:	M80-319
Part Description:	Male Right-Angled Coax Contact
Part Weight (g):	0.558

Process Data	
Peak Reflow (Deg. C)	n/a
Termination Finish	Gold over Nickel/Copper
RoHS Compliant? (Y/N)	Yes

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Inner Contact - Brass	0.0292	2%	Copper	7440-50-8
	0.000986	1%	Zinc	7440-66-6
	0.000986	0.5%	Lead	7439-92-1
	0	0.000033g max	Iron (impurity only)	7439-89-6
	0	0.00132g max	Tin (impurity only)	7440-31-5
	0	0.00001g max	Nickel (impurity only)	7440-02-0
	0	0.000082g max	Phosphorus (impurity only)	7723-14-0
	Inner Contact - Plating	0.000057	5%	Gold
0.000363		10%	Nickel	7440-02-0
Contact Sleeve - Beryllium Copper	0.0248	2%	Copper	7440-50-8
	0.000101	0.4%	Beryllium	7440-41-7
	0.000456	0.8%	Nickel	7440-02-0
	0	0.000076g max	Cobalt (impurity only)	7440-48-4
	0	0.000025g max	Iron (impurity only)	7439-89-6
	0	0.000127g max	Other Impurities	
Contact Sleeve - Plating	0.000429	10%	Nickel	7440-02-0
Insulators	0.0381	5%	PTFE	9002-84-0
Crimp Sleeve - Brass	0.0858	2%	Copper	7440-50-8
	0.0577	1%	Zinc	7440-66-6
	0.00444	0.5%	Lead	7439-92-1
	0	0.000444g max	Iron (impurity only)	7439-89-6
	0	0.000444g max	Tin (impurity only)	7440-31-5
	0	0.000044g max	Nickel (impurity only)	7440-02-0
	0	0.000074g max	Aluminium (impurity only)	7429-90-5
Crimp Sleeve - Plating	0	0.000296g max	Other Impurities	
	0.000617	5%	Gold	7440-57-5
	0.00153	10%	Nickel	7440-02-0
	0.00127	10%	Copper	7440-50-8
Contact Shell - Beryllium Copper	0.259	2%	Copper	7440-50-8
	0.00503	0.4%	Beryllium	7440-41-7
	0.00106	0.4%	Lead	7439-92-1
	0	0.000794g max	Nickel (impurity only)	7440-02-0
	0	0.000794g max	Cobalt (impurity only)	7440-48-4
	0	0.00053g max	Iron (impurity only)	7439-89-6
	0	0.00053g max	Aluminium (impurity only)	7429-90-5
	0	0.00053g max	Silicon (impurity only)	7440-21-3
	0	0.00132g max	Other Impurities	
	Contact Shell - Plating	0.00313	10%	Nickel
0.00127		10%	Gold	7440-57-5
End Plug - Brass	0.0237	2%	Copper	7440-50-8
	0.016	1%	Zinc	7440-66-6
	0.00123	0.5%	Lead	7439-92-1
	0	0.000123g max	Iron (impurity only)	7439-89-6
	0	0.000123g max	Tin (impurity only)	7440-31-5
	0	0.000012g max	Nickel (impurity only)	7440-02-0
	0	0.00002g max	Aluminium (impurity only)	7429-90-5
	0	0.000082g max	Other Impurities	
End Plug - Plating	0.000126	5%	Gold	7440-57-5
	0.000312	10%	Nickel	7440-02-0
	0.00026	10%	Copper	7440-50-8

Prepared by: *M. J. Perry*

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

On behalf of: **HARWIN**