

## Material Declaration for M80-9220099 to 9250099

Product Information	
Part Number:	M80-9220099
Part Description:	2 x Female Crimped Wire 22AWG
Part Weight (g):	0.956

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

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Contact Shells - Brass	0.0706	2%	Copper	7440-50-8
	0.042	1%	Zinc	7440-66-6
	0.0023	0.5%	Lead	7439-92-1
	0	0.00023g max	Iron (impurity only)	7439-89-6
	0	0.00023g max	Tin (impurity only)	7440-31-5
	0	0.000344g max	Nickel (impurity only)	7440-02-0
	0	0.000058g max	Aluminium (impurity only)	7429-90-5
Contact Shells - Plating	0	0.000574g max	Other Impurities	
	0.000584	5%	Gold	7440-57-5
	0.00145	10%	Nickel	7440-02-0
	0.00121	10%	Copper	7440-50-8
Contact Clips - Beryllium Copper	0.00414	1%	Copper	7440-50-8
	0.00008	0.5%	Beryllium	7440-41-7
	0	0.000012g max	Nickel (impurity only)	7440-02-0
	0	0.000012g max	Cobalt (impurity only)	7440-48-4
	0	0.000008g max	Iron (impurity only)	7439-89-6
	0	0.000008g max	Aluminium (impurity only)	7429-90-5
	0	0.000008g max	Silicon (impurity only)	7440-21-3
Contact Clips - Plating	0	0.000022g max	Other Impurities	
	0.000114	10%	Nickel	7440-02-0
	0.000012	5%	Gold	7440-57-5
Wire	0.338	10%	Copper	7440-50-8
Wire - Plating	0.0396	10%	Silver	7440-22-4
Wire - Insulation	0.456	10%	PTFE	9002-84-0

## Material Declaration for M80-9220099 to 9250099

Product Information	
Part Number:	M80-9230099
Part Description:	2 x Female Crimped Wire 24AWG
Part Weight (g):	0.842

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

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #	
Contact Shells - Brass	0.0724	2%	Copper	7440-50-8	
	0.0402	1%	Zinc	7440-66-6	
	0.0023	0.5%	Lead	7439-92-1	
	0	0.000344g max	Iron (impurity only)	7439-89-6	
	0	0.000344g max	Tin (impurity only)	7440-31-5	
	0	0.000344g max	Nickel (impurity only)	7440-02-0	
Contact Shells - Plating	0	0.000058g max	Aluminium (impurity only)	7429-90-5	
	0	0.000574g max	Other Impurities		
	0.00584	5%	Gold	7440-57-5	
	0.00145	10%	Nickel	7440-02-0	
	0.00121	10%	Copper	7440-50-8	
Contact Clips - Beryllium Copper	0.00414	1%	Copper	7440-50-8	
	0.00008	0.5%	Beryllium	7440-41-7	
	0	0.000012g max	Nickel (impurity only)	7440-02-0	
	0	0.000012g max	Cobalt (impurity only)	7440-48-4	
	0	0.000008g max	Iron (impurity only)	7439-89-6	
	0	0.000008g max	Aluminium (impurity only)	7429-90-5	
	0	0.000008g max	Silicon (impurity only)	7440-21-3	
	0	0.000022g max	Other Impurities		
	Contact Clips - Plating	0.000114	10%	Nickel	7440-02-0
		0.000012	5%	Gold	7440-57-5
Wire	0.272	10%	Copper	7440-50-8	
Wire - Plating	0.032	10%	Silver	7440-22-4	
Wire - Insulation	0.41	10%	PTFE	9002-84-0	

## Material Declaration for M80-9220099 to 9250099

Product Information	
Part Number:	M80-9240099
Part Description:	2 x Female Crimped Wire 26AWG
Part Weight (g):	0.721

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

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #	
Contact Shells - Brass	0.0724	2%	Copper	7440-50-8	
	0.0402	1%	Zinc	7440-66-6	
	0.0023	0.5%	Lead	7439-92-1	
	0	0.000344g max	Iron (impurity only)	7439-89-6	
	0	0.000344g max	Tin (impurity only)	7440-31-5	
	0	0.000344g max	Nickel (impurity only)	7440-02-0	
Contact Shells - Plating	0	0.000058g max	Aluminium (impurity only)	7429-90-5	
	0	0.000574g max	Other Impurities		
	0.00584	5%	Gold	7440-57-5	
	0.00145	10%	Nickel	7440-02-0	
	0.00121	10%	Copper	7440-50-8	
Contact Clips - Beryllium Copper	0.00414	1%	Copper	7440-50-8	
	0.00008	0.5%	Beryllium	7440-41-7	
	0	0.000012g max	Nickel (impurity only)	7440-02-0	
	0	0.000012g max	Cobalt (impurity only)	7440-48-4	
	0	0.000008g max	Iron (impurity only)	7439-89-6	
	0	0.000008g max	Aluminium (impurity only)	7429-90-5	
	0	0.000008g max	Silicon (impurity only)	7440-21-3	
	0	0.000022g max	Other Impurities		
	Contact Clips - Plating	0.000114	10%	Nickel	7440-02-0
		0.000012	5%	Gold	7440-57-5
Wire	0.212	10%	Copper	7440-50-8	
Wire - Plating	0.025	10%	Silver	7440-22-4	
Wire - Insulation	0.356	10%	PTFE	9002-84-0	

# Material Declaration for M80-9220099 to 9250099

Product Information	
Part Number:	M80-9250099
Part Description:	2 x Female Crimped Wire 28AWG
Part Weight (g):	0.599

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

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Contact Shells - Brass	0.0724	2%	Copper	7440-50-8
	0.0402	1%	Zinc	7440-66-6
	0.0023	0.5%	Lead	7439-92-1
	0	0.000344g max	Iron (impurity only)	7439-89-6
	0	0.000344g max	Tin (impurity only)	7440-31-5
	0	0.000344g max	Nickel (impurity only)	7440-02-0
Contact Shells - Plating	0	0.000058g max	Aluminium (impurity only)	7429-90-5
	0	0.000574g max	Other Impurities	
	0.00584	5%	Gold	7440-57-5
	0.00145	10%	Nickel	7440-02-0
	0.00121	10%	Copper	7440-50-8
Contact Clips - Beryllium Copper	0.00414	1%	Copper	7440-50-8
	0.00008	0.5%	Beryllium	7440-41-7
	0	0.000012g max	Nickel (impurity only)	7440-02-0
	0	0.000012g max	Cobalt (impurity only)	7440-48-4
	0	0.000008g max	Iron (impurity only)	7439-89-6
	0	0.000008g max	Aluminium (impurity only)	7429-90-5
	0	0.000008g max	Silicon (impurity only)	7440-21-3
	0	0.000022g max	Other Impurities	
Contact Clips - Plating	0.000114	10%	Nickel	7440-02-0
	0.000012	5%	Gold	7440-57-5
Wire	0.15	10%	Copper	7440-50-8
Wire - Plating	0.0176	10%	Silver	7440-22-4
Wire - Insulation	0.304	10%	PTFE	9002-84-0

Prepared by: *M. J. Perry*

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

On behalf of:

