

Material Declaration for M80-490XXXX

Product Information	
Part Number:	M80-940XX05
Part Description:	Female Crimp Kit
Part Weight (g):	(0.626 * XX) + 2.984
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 #	
Contact Shell - Brass	0.0362 * XX	2%	Copper	7440-50-8	
	0.0201 * XX	1%	Zinc	7440-66-6	
	0.00115 * XX	0.5%	Lead	7439-92-1	
	0	(0.000172 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.000172 * XX)g max	Tin (impurity only)	7440-31-5	
Contact Shell - Plating	0	(0.000172 * XX)g max	Nickel (impurity only)	7440-02-0	
	0	(0.000029 * XX)g max	Aluminium (impurity only)	7429-90-5	
	0	(0.00028 * XX)g max	Other Impurities		
	0.000292 * XX	5%	Gold	7440-57-5	
	0.000723 * XX	10%	Nickel	7440-02-0	
Contact Clip - Beryllium Copper	0.000603 * XX	10%	Copper	7440-50-8	
	0.00207 * XX	1%	Copper	7440-50-8	
	0.00004 * XX	0.5%	Beryllium	7440-41-7	
	0	(0.000006 * XX)g max	Nickel (impurity only)	7440-02-0	
	0	(0.000006 * XX)g max	Cobalt (impurity only)	7440-48-4	
Contact Clip - Plating	0	(0.000004 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.000004 * XX)g max	Aluminium (impurity only)	7429-90-5	
	0	(0.000004 * XX)g max	Silicon (impurity only)	7440-21-3	
	0	(0.000011 * XX)g max	Other Impurities		
	0.000057 * XX	10%	Nickel	7440-02-0	
	0.000006 * XX	5%	Gold	7440-57-5	
	Circlips - Stainless Steel	0.0164	10%	Iron	7439-89-6
		0.0033	4%	Chromium (Metallic)	7440-47-3
		0.0002	4%	Nickel	7440-02-0
		0.000078	0.8%	Copper	7440-50-8
0.000004		0.5%	Sulphur	7704-34-9	
0		0.000078g max	Carbon (impurity only)	7440-44-0	
0		0.0002g max	Silicon (impurity only)	7440-21-3	
0		0.0003g max	Manganese (impurity only)	7439-96-5	
0		0.000008g max	Phosphorus (impurity only)	7723-14-0	
0		0.00021g max	Molybdenum (impurity only)	7439-98-7	
Jackscrews - Stainless Steel	0.526	10%	Iron	7439-89-6	
	0.13	4%	Chromium (Metallic)	7440-47-3	
	0.0651	4%	Nickel	7440-02-0	
	0.0507	0.8%	Copper	7440-50-8	
	0.00181	0.5%	Sulphur	7704-34-9	
	0	0.000868g max	Carbon (impurity only)	7440-44-0	
	0	0.00724g max	Silicon (impurity only)	7440-21-3	
	0	0.0145g max	Manganese (impurity only)	7439-96-5	
	0	0.000434g max	Phosphorus (impurity only)	7723-14-0	
	0	0.00145g max	Niobium (impurity only)	7440-03-1	
Connector Moulding (total weight)	0	0.000724g max	Titanium (impurity only)	7440-32-6	
	(0.0385 * XX) + 0.153	10%	30% Glass-Filled PPS		
	Containing: (0.027 * XX) + 0.107	10%	PPS	26125-40-6	
Does not contain:	(0.0116 * XX) + 0.046	10%	30% Glass Fibre	65997-17-3	
			Antimony		
			Other Brominated Flame Retardants		
Hood Mouldings (total weight)					
	(0.526 * XX) + 1.738	5%	30% GF PA46		
	Containing: (0.258 * XX) + 0.852	5%	Polyamide 46	50327-22-5	
	(0.158 * XX) + 0.521	5%	30% Glass Fibre	65997-17-3	
	(0.0263 * XX) + 0.0869	5%	Antimony Trioxide	1309-64-4	
(0.0789 * XX) + 0.261	5%	Other Brominated Flame Retardants (ISO)			
(0.00526 * XX) + 0.0174	5%	Carbon Black	1333-86-4		
Hood Screws - Stainless Steel					
	0.192	10%	Iron	7439-89-6	
	0.05	4%	Chromium (Metallic)	7440-47-3	
	0.0284	4%	Nickel	7440-02-0	
	0.0216	0.8%	Copper	7440-50-8	
	0.000082	0.5%	Sulphur	7704-34-9	
	0	0.0027g max	Silicon (impurity only)	7440-21-3	
	0	0.0054g max	Manganese (impurity only)	7439-96-5	
	0	0.000136g max	Phosphorus (impurity only)	7723-14-0	
	0	0.00135g max	Other Impurities		
Hood Screws - Plating	0.00285	10%	Nickel	7440-02-0	
	0.00434	10%	Tin	7440-31-5	

Material Declaration for M80-490XXX

Product Information	
Part Number:	M80-940XX42
Part Description:	Female Crimp Kit
Part Weight (g):	(0.627 * XX) + 2.984
Process Data	
Peak Reflow (Deg. C)	n/a
Termination Finish	Tin over Nickel/Copper
RoHS Compliant? (Y/N)	Yes

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

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Contact Shell - Brass	0.0362 * XX	2%	Copper	7440-50-8
	0.0201 * XX	1%	Zinc	7440-66-6
	0.00115 * XX	0.5%	Lead	7439-92-1
	0	(0.000172 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000172 * XX)g max	Tin (impurity only)	7440-31-5
	0	(0.000172 * XX)g max	Nickel (impurity only)	7440-02-0
Contact Shell - Plating	0	(0.000029 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.00028 * XX)g max	Other Impurities	
	0.00158 * XX	5%	Tin	7440-31-5
	0.000723 * XX	10%	Nickel	7440-02-0
	0.000483 * XX	10%	Copper	7440-50-8
Contact Clip - Beryllium Copper	0.00207 * XX	1%	Copper	7440-50-8
	0.00004 * XX	0.5%	Beryllium	7440-41-7
	0	(0.000006 * XX)g max	Nickel (impurity only)	7440-02-0
	0	(0.000006 * XX)g max	Cobalt (impurity only)	7440-48-4
	0	(0.000004 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000004 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.000004 * XX)g max	Silicon (impurity only)	7440-21-3
	0	(0.000011 * XX)g max	Other Impurities	
	0.000057 * XX	10%	Nickel	7440-02-0
	0.000006 * XX	5%	Gold	7440-57-5
Circlips - Stainless Steel	0.0164	10%	Iron	7439-89-6
	0.0033	4%	Chromium (Metallic)	7440-47-3
	0.0002	4%	Nickel	7440-02-0
	0.000078	0.8%	Copper	7440-50-8
	0.000004	0.5%	Sulphur	7704-34-9
	0	0.000078g max	Carbon (impurity only)	7440-44-0
	0	0.0002g max	Silicon (impurity only)	7440-21-3
	0	0.0003g max	Manganese (impurity only)	7439-96-5
	0	0.000008g max	Phosphorus (impurity only)	7723-14-0
	0	0.00021g max	Molybdenum (impurity only)	7439-98-7
Jackscrews - Stainless Steel	0.526	10%	Iron	7439-89-6
	0.13	4%	Chromium (Metallic)	7440-47-3
	0.0651	4%	Nickel	7440-02-0
	0.0507	0.8%	Copper	7440-50-8
	0.00181	0.5%	Sulphur	7704-34-9
	0	0.000868g max	Carbon (impurity only)	7440-44-0
	0	0.00724g max	Silicon (impurity only)	7440-21-3
	0	0.0145g max	Manganese (impurity only)	7439-96-5
	0	0.000434g max	Phosphorus (impurity only)	7723-14-0
	0	0.00145g max	Niobium (impurity only)	7440-03-1
	0	0.000724g max	Titanium (impurity only)	7440-32-6
Connector Moulding (total weight)	(0.0385 * XX) + 0.153	10%	30% Glass-Filled PPS	
Containing:	(0.027 * XX) + 0.107	10%	PPS	26125-40-6
	(0.0116 * XX) + 0.046	10%	30% Glass Fibre	65997-17-3
Does not contain:			Antimony	
			Other Brominated Flame Retardants	
Hood Mouldings (total weight)	(0.526 * XX) + 1.738	5%	30% GF PA46	
Containing:	(0.258 * XX) + 0.852	5%	Polyamide 46	50327-22-5
	(0.158 * XX) + 0.521	5%	30% Glass Fibre	65997-17-3
	(0.0263 * XX) + 0.0869	5%	Antimony Trioxide	1309-64-4
	(0.0789 * XX) + 0.261	5%	Other Brominated Flame Retardants (ISO)	
	(0.00526 * XX) + 0.0174	5%	Carbon Black	1333-86-4
Hood Screws - Stainless Steel	0.192	10%	Iron	7439-89-6
	0.05	4%	Chromium (Metallic)	7440-47-3
	0.0284	4%	Nickel	7440-02-0
	0.0216	0.8%	Copper	7440-50-8
	0.000082	0.5%	Sulphur	7704-34-9
	0	0.0027g max	Silicon (impurity only)	7440-21-3
	0	0.0054g max	Manganese (impurity only)	7439-96-5
	0	0.000136g max	Phosphorus (impurity only)	7723-14-0
	0	0.00135g max	Other Impurities	
	0.00285	10%	Nickel	7440-02-0
	0.00434	10%	Tin	7440-31-5

Prepared by: *M. J. Perry*

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On behalf of: **HARWIN**