

Material Declaration for M80-705XXXXA

Product Information	
Part Number:	M80-705XX01A
Part Description:	Datamate 3-Row Female Cable
Part Weight (g):	(0.0931 * XX) + 1.257

Process Data	
Peak Reflow (Deg. C)	n/a
Termination Finish	100% 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
	0	(0.000029 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.000287 * XX)g max	Other Impurities	
	0.00158 * XX	5%	Tin	7440-31-5
	0.000723 * XX	10%	Nickel	7440-02-0
Contact Shell - Plating	0.000483 * 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
	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
Contact Clip - Beryllium Copper	0.000006 * XX	5%	Gold	7440-57-5
	0.602	5%	Iron	7439-89-6
	0.161	2%	Chromium (Metallic)	7440-47-3
	0.0762	2%	Nickel	7440-02-0
	0.0135	0.8%	Copper	7440-50-8
	0.00212	0.5%	Sulphur	7704-34-9
	0	0.000678g max	Carbon (impurity only)	7440-44-0
	0	0.00847g max	Silicon (impurity only)	7440-21-3
	0	0.0169g max	Manganese (impurity only)	7439-96-5
	0	0.000382g max	Phosphorus (impurity only)	7723-14-0
Contact Clip - Plating	0	0.00508g max	Molybdenum (impurity only)	7439-98-7
	0	0.000932g max	Nitrogen (impurity only)	7727-37-9
	0.00259	5%	Iron	7439-89-6
	0.000692	2%	Chromium (Metallic)	7440-47-3
	0.000328	2%	Nickel	7440-02-0
	0.000058	0.8%	Copper	7440-50-8
	0.00001	0.5%	Sulphur	7704-34-9
	0	0.000002g max	Carbon (impurity only)	7440-44-0
	0	0.000036g max	Silicon (impurity only)	7440-21-3
	0	0.000072g max	Manganese (impurity only)	7439-96-5
Jackscrews - Stainless Steel	0	0.000002g max	Phosphorus (impurity only)	7723-14-0
	0	0.000022g max	Molybdenum (impurity only)	7439-98-7
	0	0.000004g max	Nitrogen (impurity only)	7727-37-9
	(0.0307 * XX) + 0.399	5%	30% GF PA46	
	(0.0154 * XX) + 0.2	5%	PA46	50327-22-5
	(0.00921 * XX) + 0.12	5%	30% Glass Fibre	65997-17-3
	(0.00154 * XX) + 0.02	5%	Antimony Trioxide	1309-64-4
	(0.00461 * XX) + 0.0599	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	

Material Declaration for M80-705XXXXA

Product Information	
Part Number:	M80-705XX05A
Part Description:	Datamate 3-Row Female Cable
Part Weight (g):	(0.0919 * XX) + 1.257

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	
	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	(0.000287 * XX)g max	Other Impurities		
	0.000292 * XX	5%	Gold	7440-57-5	
	0.000723 * XX	10%	Nickel	7440-02-0	
Contact Shell - Plating	0.000603 * 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	
	Jackscrews - Stainless Steel	0.602	5%	Iron	7439-89-6
		0.161	2%	Chromium (Metallic)	7440-47-3
		0.0762	2%	Nickel	7440-02-0
		0.0135	0.8%	Copper	7440-50-8
0.00212		0.5%	Sulphur	7704-34-9	
0		0.000678g max	Carbon (impurity only)	7440-44-0	
0		0.00847g max	Silicon (impurity only)	7440-21-3	
0		0.0169g max	Manganese (impurity only)	7439-96-5	
0		0.000382g max	Phosphorus (impurity only)	7723-14-0	
0		0.00508g max	Molybdenum (impurity only)	7439-98-7	
0		0.000932g max	Nitrogen (impurity only)	7727-37-9	
Jackscrew Circlips - Stainless Steel		0.00259	5%	Iron	7439-89-6
		0.000692	2%	Chromium (Metallic)	7440-47-3
		0.000328	2%	Nickel	7440-02-0
	0.000058	0.8%	Copper	7440-50-8	
	0.00001	0.5%	Sulphur	7704-34-9	
	0	0.000002g max	Carbon (impurity only)	7440-44-0	
	0	0.000036g max	Silicon (impurity only)	7440-21-3	
	0	0.000072g max	Manganese (impurity only)	7439-96-5	
	0	0.000002g max	Phosphorus (impurity only)	7723-14-0	
	0	0.000022g max	Molybdenum (impurity only)	7439-98-7	
	0	0.000004g max	Nitrogen (impurity only)	7727-37-9	
	Moulding (total weight)	(0.0307 * XX) + 0.399	5%	30% GF PA46	
		Containing:			
		(0.0154 * XX) + 0.2	5%	PA46	50327-22-5
(0.00921 * XX) + 0.12		5%	30% Glass Fibre	65997-17-3	
(0.00154 * XX) + 0.02		5%	Antimony Trioxide	1309-64-4	
(0.00461 * XX) + 0.0599	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]			

Prepared by: *M. J. Perry*

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On behalf of: **HARWIN**