Material Declaration for M80-771XXXX

Product Information	
Part Number:	M80-771XX22
Part Description:	2mm Horizontal Datamate
Part Weight (g):	(0.0463 * XX) + 0.188

Process Data	
Peak Reflow (Deg. C)	235°C for 5 seconds
Termination Finish	Tin/Lead over Nickel
RoHS Compliant? (Y/N)	No

Note: RoHS compliant by threshold values, lead intentionally added, not recommended for Lead-Free Soldering.

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Contacts - Phosphor Bronze	0.022 * XX	2%	Copper	7440-50-8
	0.00116 * XX	1%	Tin	7440-31-5
	0.000044 * XX	0.3%	Phosphorus	7723-14-0
	0	(0.00007 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000024 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.00006 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000117 * XX)g max	Other Impurities	
Contacts - Plating	0.000066 * XX	5%	Gold	7440-57-5
	0.000281 * XX	5%	Tin	7440-31-5
	0.000054 * XX	5%	Lead	7439-92-1
	0.000244 * XX	10%	Nickel	7440-02-0
Latches - Beryllium Copper	0.0965	2%	Copper	7440-50-8
	0.00167	0.2%	Beryllium	7440-41-7
	0	0.000294g max	Nickel (impurity only)	7440-02-0
	0	0.000294g max	Cobalt (impurity only)	7440-48-4
	0	0.000196g max	Iron (impurity only)	7439-89-6
	0	0.000196g max	Aluminium (impurity only)	7429-90-5
	0	0.000196g max	Silicon (impurity only)	7440-21-3
	0	0.000492g max	Other Impurities	
Latches - Plating	0.00146	10%	Nickel	7440-02-0
Moulding (total weight)	(0.0225 * XX) + 0.0885	10%	30% Glass-Filled PPS	
Containing:	(0.0158 * XX) + 0.062	10%	PPS	26125-40-6
	(0.00675 * XX) + 0.0266	10%	30% Glass Fibre	65997-17-3
Does not contain:			Antimony	
		Other Brominated Flame Retardants		

2 hold-down straps supplied per connector

Product Information	
Part Number:	M80-0030006
Part Description:	Hold-down strap
Part Weight (g):	0.0764

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 #
Brass	0.0467	2%	Copper	7440-50-8
	0.0274	2%	Zinc	7440-66-6
	0	0.000074g max	Lead (impurity only)	7439-92-1
	0	0.000074g max	Iron (impurity only)	7439-89-6
	0	0.000074g max	Tin (impurity only)	7440-31-5
	0	0.000223g max	Nickel (impurity only)	7440-02-0
	0	0.000037g max	Aluminium (impurity only)	7429-90-5
	0	0.000074g max	Other Impurities	
Plating	0.00129	5%	Tin	7440-31-5
	0.00105	10%	Nickel	7440-02-0

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

Material Declaration for M80-771XXXX

Product Information	
Part Number:	M80-771XX42
Part Description:	2mm Horizontal Datamate
Part Weight (g):	(0.0463 * XX) + 0.188

Process Data	
Peak Reflow (Deg. C)	260°C for 10 seconds
Termination Finish	100% Tin over Nickel
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 #
Contacts - Phosphor Bronze	0.022 * XX	2%	Copper	7440-50-8
	0.00116 * XX	1%	Tin	7440-31-5
	0.000044 * XX	0.3%	Phosphorus	7723-14-0
	0	(0.00007 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000024 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000012 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000117 * XX)g max	Other Impurities	
Contacts - Plating	0.000066 * XX	5%	Gold	7440-57-5
	0.000313 * XX	5%	Tin	7440-31-5
	0.000244 * XX	10%	Nickel	7440-02-0
Latches - Beryllium Copper	0.0965	2%	Copper	7440-50-8
	0.00167	0.2%	Beryllium	7440-41-7
	0	0.000294g max	Nickel (impurity only)	7440-02-0
	0	0.000294g max	Cobalt (impurity only)	7440-48-4
	0	0.000196g max	Iron (impurity only)	7439-89-6
	0	0.000196g max	Aluminium (impurity only)	7429-90-5
	0	0.000196g max	Silicon (impurity only)	7440-21-3
	0	0.000492g max	Other Impurities	
Latches - Plating	0.00146	10%	Nickel	7440-02-0
Moulding (total weight)	(0.0225 * XX) + 0.0885	10%	30% Glass-Filled PPS	
Containing:	(0.0158 * XX) + 0.062	10%	PPS	26125-40-6
	(0.00675 * XX) + 0.0266	10%	30% Glass Fibre	65997-17-3
Does not contain:			Antimony	
		Other Brominated Flame Retardants		

2 hold-down straps supplied per connector

Product Information	
Part Number:	M80-0030006
Part Description:	Hold-down strap
Part Weight (g):	0.0764

Process Data	
Peak Reflow (Deg. C)	260°C for 10 seconds
Termination Finish	100% Tin over Nickel
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 #
Brass	0.0467	2%	Copper	7440-50-8
	0.0274	2%	Zinc	7440-66-6
	0	0.000074g max	Lead (impurity only)	7439-92-1
	0	0.000074g max	Iron (impurity only)	7439-89-6
	0	0.000074g max	Tin (impurity only)	7440-31-5
	0	0.000223g max	Nickel (impurity only)	7440-02-0
	0	0.000037g max	Aluminium (impurity only)	7429-90-5
	0	0.000074g max	Other Impurities	
Plating	0.00129	5%	Tin	7440-31-5
	0.00105	10%	Nickel	7440-02-0

Material Declaration for M80-771XXXX

Product Information	
Part Number:	M80-771XX45
Part Description:	2mm Horizontal Datamate
Part Weight (g):	(0.0463 * XX) + 0.188

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 #
Contacts - Phosphor Bronze	0.022 * XX	2%	Copper	7440-50-8
	0.00116 * XX	1%	Tin	7440-31-5
	0.000044 * XX	0.3%	Phosphorus	7723-14-0
	0	(0.00007 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000024 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000012 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000117 * XX)g max	Other Impurities	
Contacts - Plating	0.000312 * XX	5%	Gold	7440-57-5
	0.000244 * XX	10%	Nickel	7440-02-0
Latches - Beryllium Copper	0.0965	2%	Copper	7440-50-8
	0.00167	0.2%	Beryllium	7440-41-7
	0	0.000294g max	Nickel (impurity only)	7440-02-0
	0	0.000294g max	Cobalt (impurity only)	7440-48-4
	0	0.000196g max	Iron (impurity only)	7439-89-6
	0	0.000196g max	Aluminium (impurity only)	7429-90-5
	0	0.000196g max	Silicon (impurity only)	7440-21-3
	0	0.000492g max	Other Impurities	
Latches - Plating	0.00146	10%	Nickel	7440-02-0
Moulding (total weight)	(0.0225 * XX) + 0.0885	10%	30% Glass-Filled PPS	
Containing:	(0.0158 * XX) + 0.062	10%	PPS	26125-40-6
	(0.00675 * XX) + 0.0266	10%	30% Glass Fibre	65997-17-3
Does not contain:			Antimony	
		Other Brominated Flame Retardants		

2 hold-down straps supplied per connector

Product Information	
Part Number:	M80-0030006
Part Description:	Hold-down strap
Part Weight (g):	0.0764

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 #
Brass	0.0467	2%	Copper	7440-50-8
	0.0274	2%	Zinc	7440-66-6
	0	0.000074g max	Lead (impurity only)	7439-92-1
	0	0.000074g max	Iron (impurity only)	7439-89-6
	0	0.000074g max	Tin (impurity only)	7440-31-5
	0	0.000223g max	Nickel (impurity only)	7440-02-0
	0	0.000037g max	Aluminium (impurity only)	7429-90-5
	0	0.000074g max	Other Impurities	
Plating	0.00129	5%	Tin	7440-31-5
	0.00105	10%	Nickel	7440-02-0

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

Prepared by: M. J. Perry

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

On behalf of: HARWiN