

Material Declaration for M80-836XXXX

Product Information	
Part Number:	M80-836XX22
Part Description:	2mm pitch Horiz Datamate
Part Weight (g):	(0.0526 * XX) + 0.172

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 - Brass	0.0121 * XX	2%	Copper	7440-50-8
	0.0071 * XX	4%	Zinc	7440-66-6
	0	(0.000019 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000019 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000019 * XX)g max	Tin (impurity only)	7440-31-5
	0	(0.000058 * XX)g max	Nickel (impurity only)	7440-02-0
Contacts - Plating	0	(0.00001 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.000019 * XX)g max	Other Impurities	
	0.000096 * XX	5%	Gold	7440-57-5
	0.000128 * XX	5%	Tin	7440-31-5
	0.000022 * XX	5%	Lead	7439-92-1
Latches - Beryllium Copper	0.000195 * XX	10%	Nickel	7440-02-0
	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	
	0	0.000492g max	Nickel	7440-02-0
Moulding (total weight) Containing:	(0.033 * XX) + 0.0723	10%	30% Glass-Filled PPS	
	(0.0231 * XX) + 0.0506	10%	PPS	26125-40-6
	(0.0099 * XX) + 0.0217	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

Material Declaration for M80-836XXXX

Product Information	
Part Number:	M80-836XX42
Part Description:	2mm pitch Horiz Datamate
Part Weight (g):	(0.0526 * XX) + 0.172

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 - Brass	0.0121 * XX	2%	Copper	7440-50-8
	0.0071 * XX	4%	Zinc	7440-66-6
	0	(0.000019 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000019 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000019 * XX)g max	Tin (impurity only)	7440-31-5
	0	(0.000058 * XX)g max	Nickel (impurity only)	7440-02-0
	0	(0.00001 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.000019 * XX)g max	Other Impurities	
Contacts - Plating	0.000096 * XX	5%	Gold	7440-57-5
	0.000143 * XX	5%	Tin	7440-31-5
	0.000195 * 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)	(0.033 * XX) + 0.0723	10%	30% Glass-Filled PPS	
Containing:	(0.0231 * XX) + 0.0506	10%	PPS	26125-40-6
	(0.0099 * XX) + 0.0217	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):	0.077

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

Material Declaration for M80-836XXXX

Product Information	
Part Number:	M80-836XX45
Part Description:	2mm pitch Horiz Datamate
Part Weight (g):	(0.0526 * XX) + 0.172

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 - Brass	0.0121 * XX	2%	Copper	7440-50-8
	0.0071 * XX	4%	Zinc	7440-66-6
	0	(0.000019 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000019 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000019 * XX)g max	Tin (impurity only)	7440-31-5
	0	(0.000058 * XX)g max	Nickel (impurity only)	7440-02-0
	0	(0.00001 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.000019 * XX)g max	Other Impurities	
Contacts - Plating	0.00025 * XX	5%	Gold	7440-57-5
	0.000195 * 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)	(0.033 * XX) + 0.0723	10%	30% Glass-Filled PPS	
Containing:	(0.0231 * XX) + 0.0506	10%	PPS	26125-40-6
	(0.0099 * XX) + 0.0217	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):	0.077

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

Prepared by: 

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

On behalf of: 