

## Material Declaration for M80-792XXXX

Product Information	
Part Number:	M80-792XX42
Part Description:	2mm Horiz Datamate
Part Weight (g):	(0.0535 * 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.

Part weight shown above does not include hold-down straps.

2 hold-down straps used 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 #	
Contacts - Phosphor Bronze	0.0189 * XX	2%	Copper	7440-50-8	
	0.000996 * XX	1%	Tin	7440-31-5	
	0.000038 * XX	0.5%	Phosphorus	7723-14-0	
	0	(0.00006 * XX)g max	Zinc (impurity only)	7440-66-6	
	0	(0.00002 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.00001 * XX)g max	Lead (impurity only)	7439-92-1	
Contacts - Plating	0	(0.0001 * XX)g max	Other Impurities		
	0.000066 * XX	5%	Gold	7440-57-5	
	0.000245 * XX	5%	Tin	7440-31-5	
	0.000209 * 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	5%	30% GF PA46		
Containing:	(0.0165 * XX) + 0.0362	5%	PA46	50327-22-5	
	(0.0099 * XX) + 0.0217	5%	30% Glass Fibre	65997-17-3	
	(0.00165 * XX) + 0.00362	5%	Antimony Trioxide	1309-64-4	
	(0.00495 * XX) + 0.0108	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]		

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 M80-792XXXX

Product Information	
Part Number:	M80-792XX45
Part Description:	2mm Horiz Datamate
Part Weight (g):	(0.0534 * XX) + 0.172

Process Data	
Peak Reflow (Deg. C)	260°C for 10 seconds
Termination Finish	Gold over Nickel
RoHS Compliant? (Y/N)	Yes

Part weight shown above does not include hold-down straps.


2 hold-down straps used per connector

Product Information	
Part Number:	M80-0030006
Part Description:	Hold-down strap
Part Weight (g):	0.0765

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 #	
Contacts - Phosphor Bronze	0.0189 * XX	2%	Copper	7440-50-8	
	0.000996 * XX	1%	Tin	7440-31-5	
	0.000038 * XX	0.5%	Phosphorus	7723-14-0	
	0	(0.00006 * XX)g max	Zinc (impurity only)	7440-66-6	
	0	(0.00002 * XX)g max	Iron (impurity only)	7439-89-6	
	0	(0.00001 * XX)g max	Lead (impurity only)	7439-92-1	
Contacts - Plating	0	(0.0001 * XX)g max	Other Impurities		
	0.000267 * XX	5%	Gold	7440-57-5	
	0.000209 * 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	5%	30% GF PA46		
Containing:	(0.0165 * XX) + 0.0362	5%	PA46	50327-22-5	
	(0.0099 * XX) + 0.0217	5%	30% Glass Fibre	65997-17-3	
	(0.00165 * XX) + 0.00362	5%	Antimony Trioxide	1309-64-4	
	(0.00495 * XX) + 0.0108	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]		

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: 