

## Material Declaration for M80-854XXXX

Product Information	
Part Number:	M80-854XX22
Part Description:	2mm Vertical Datamate
Part Weight (g):	(0.0376 * XX) + 0.0885

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	0.014 * XX	2%	Copper	7440-50-8
	0.000739 * XX	1%	Tin	7440-31-5
	0.000028 * XX	0.3%	Phosphorus	7723-14-0
	0	(0.000044 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000015 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000007 * XX)g max	Lead (impurity only)	7439-92-1
Contacts - Plating	0	(0.000074 * XX)g max	Other Impurities	
	0.000066 * XX	5%	Gold	7440-57-5
	0.000118 * XX	5%	Tin	7440-31-5
	0.00002 * XX	10%	Lead	7439-92-1
	0.000153 * XX	10%	Nickel	7440-02-0
Moulding (total weight)	(0.0225 * XX) + 0.0885	5%	30% GF PA46	
Containing:	(0.0113 * XX) + 0.0443	5%	PA46	50327-22-5
	(0.00675 * XX) + 0.0266	5%	30% Glass Fibre	65997-17-3
	(0.00113 * XX) + 0.00443	5%	Antimony Trioxide	1309-64-4
	(0.00338 * XX) + 0.0133	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	

Product Information	
Part Number:	M80-854XX42
Part Description:	2mm Vertical Datamate
Part Weight (g):	(0.0376 * XX) + 0.0885

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	0.014 * XX	2%	Copper	7440-50-8
	0.000739 * XX	1%	Tin	7440-31-5
	0.000028 * XX	0.3%	Phosphorus	7723-14-0
	0	(0.000044 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000015 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000007 * XX)g max	Lead (impurity only)	7439-92-1
Contacts - Plating	0	(0.000074 * XX)g max	Other Impurities	
	0.000066 * XX	5%	Gold	7440-57-5
	0.000131 * XX	5%	Tin	7440-31-5
	0.000153 * XX	10%	Nickel	7440-02-0
Moulding (total weight)	(0.0225 * XX) + 0.0885	5%	30% GF PA46	
Containing:	(0.0113 * XX) + 0.0443	5%	PA46	50327-22-5
	(0.00675 * XX) + 0.0266	5%	30% Glass Fibre	65997-17-3
	(0.00113 * XX) + 0.00443	5%	Antimony Trioxide	1309-64-4
	(0.00338 * XX) + 0.0133	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	

## Material Declaration for M80-854XXXX

Product Information	
Part Number:	M80-854XX45
Part Description:	2mm Vertical Datamate
Part Weight (g):	(0.0376 * XX) + 0.0885

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	0.014 * XX	2%	Copper	7440-50-8
	0.000739 * XX	1%	Tin	7440-31-5
	0.000028 * XX	0.3%	Phosphorus	7723-14-0
	0	(0.000044 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000015 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000007 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000074 * XX)g max	Other Impurities	
Contacts - Plating	0.000196 * XX	5%	Gold	7440-57-5
	0.000153 * XX	10%	Nickel	7440-02-0
Moulding (total weight)	(0.0225 * XX) + 0.0885	5%	30% GF PA46	
Containing:	(0.0113 * XX) + 0.0443	5%	PA46	50327-22-5
	(0.00675 * XX) + 0.0266	5%	30% Glass Fibre	65997-17-3
	(0.00113 * XX) + 0.00443	5%	Antimony Trioxide	1309-64-4
	(0.00338 * XX) + 0.0133	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	

Prepared by: 

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

On behalf of:

