

Material Declaration for M80-5T20242MC-01-331-01-331

Product Information	
Part Number:	M80-5T20242MC-01-331-01-331
Part Description:	2mm Vert Datamate Male Conn.
Part Weight (g):	1.418

Process Data	
Peak Reflow (Deg. C)	260°C for 10 sec
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 #
Signal Contacts - Phosphor Bronze	0.0305	2%	Copper	7440-50-8
	0.00161	1%	Tin	7440-31-5
	0.000062	0.5%	Phosphorus	7723-14-0
	0	0.000096	Zinc (impurity only)	7440-66-6
	0	0.000032	Iron (impurity only)	7439-89-6
Signal Contacts - Plating	0	0.000016	Lead (impurity only)	7439-92-1
	0	0.00016	Other Impurities	
	0.000132	5%	Gold	7440-57-5
	0.000334	5%	Tin	7440-31-5
	0.000346	10%	Nickel	7440-02-0
Power Contacts - Beryllium Copper	0.47	2%	Copper	7440-50-8
	0.00914	0.4%	Beryllium	7440-41-7
	0.00192	0.4%	Lead	7439-92-1
	0	0.00144g max	Nickel (impurity only)	7440-02-0
	0	0.00144g max	Cobalt (impurity only)	7440-48-4
	0	0.000962g max	Iron (impurity only)	7439-89-6
	0	0.000962g max	Aluminium (impurity only)	7429-90-5
	0	0.000962g max	Silicon (impurity only)	7440-21-3
	0	0.0024g max	Other Impurities	
	0.00259	10%	Nickel	7440-02-0
Power Contacts - Plating	0.00105	10%	Gold	7440-57-5
101Lok Screw Retainers - Stainless Steel	0.294	5%	Iron	7439-89-6
	0.0745	2%	Chromium (Metallic)	7440-47-3
	0.0372	2%	Nickel	7440-02-0
	0.00662	0.8%	Copper	7440-50-8
	0.00103	0.5%	Sulphur	7704-34-9
	0	0.000332g max	Carbon (impurity only)	7440-44-0
	0	0.00414g max	Silicon (impurity only)	7440-21-3
	0	0.00828g max	Manganese (impurity only)	7439-96-5
	0	0.000186g max	Phosphorus (impurity only)	7723-14-0
	0	0.00248g max	Molybdenum (impurity only)	7439-98-7
	0	0.000456g max	Nitrogen (impurity only)	7727-37-9
Moulding (total weight)	0.487	10%	30% Glass-Filled PPS	
Containing:	0.341	10%	PPS	26125-40-6
	0.146	10%	30% Glass Fibre	65997-17-3
Does not contain:			Antimony	
			Other Brominated Flame Retardants	

Prepared by: 

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

On behalf of:

HARWIN