

Material Composition for M55-500XX42-YYYYA

Product Information	
Part Number:	M55-500XX42-YYYYA
Part Description:	1.27mm Pitch SIL IDC Male Cable Assembly
Part Weight (g):	$(0.242 * XX) + (0.00198 * XX * YYYY) + 1.406$

Process Data	
Peak Reflow (Deg. C)	n/a
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 - Copper Nickel	$0.0505 * XX$	5%	Copper	7440-50-8
	$0.00125 * XX$	5%	Nickel	7440-02-0
	$0.000182 * XX$	5%	Silicon	7440-21-3
	$0.000026 * XX$	5%	Magnesium	7439-95-4
Contacts - Plating	$0.000076 * XX$	10%	Nickel	7440-02-0
	$0.000078 * XX$	10%	Tin	7440-31-5
	$0.000002 * XX$	10%	Gold	7440-57-5
Connector Mouldings (total weight)	$(0.19 * XX) + 1.406$	6%	20% GF PPA	
Containing:	$(0.133 * XX) + 0.984$	6%	PPA	25776-72-1
	$(0.038 * XX) + 0.281$	6%	Glass Fibre	65997-17-3
	$(0.019 * XX) + 0.141$	6%	Flame Retardant	225789-38-8
Does not contain:			Other Brominated Flame Retardants	
			Antimony	
Wire	$0.000706 * XX * YYYY$	10%	Copper	7440-50-8
Wire - Plating	$0.000083 * XX * YYYY$	10%	Silver	7440-22-4
Wire - Insulation	$0.00119 * XX * YYYY$	10%	PVC	9002-86-2

Prepared by: 

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

On behalf of:

HARWIN