

# MATERIAL DECLARATION SHEET



Reliable Electronic Solutions

Material #	4420P-LF Series	
Product Line	Networks	
Date	05/13/2005	
RoHS Compliant	Yes	

No.	Construction Element	Material Group	Material Weight [g]	Materials	CAS If applicable	Average Mass [%]	Sum [%]
1	Element	Ceramic Conductor Ink Glaze	0.18644 0.00060 0.00034 0.00003 0.00020 0.00005 0.00126 0.00074 0.00005 0.00006	Alumina Silver Ruthenium (IV) Oxide Silver Diboron Trioxide Aluminum Oxide Lead Monoxide Silicon Dioxide Calcium Oxide Chromium(III) Oxide	1344-28-1 7440-22-4 12036-10-1 7440-22-4 1303-86-2 1344-28-1 1317-36-8 7631-86-9 1305-78-8 1308-38-9	33.41 0.11 0.06 0.01 0.04 0.01 0.23 0.13 0.01 0.01	34.01
2	Terminal Pins	Copper Plating	0.14000 0.00059 0.00002 0.00001	Copper Tin Silver Copper	7440-50-8 7440-31-5 7440-22-4 7440-50-8	25.09 0.11	25.20
3	Termination	Solder	0.01030 0.09060 0.00206	Tin Lead Silver	7440-31-5 7439-92-1 7440-22-4	1.85 16.24 0.37	18.45
4	Body	Plastic	0.08680 0.02108 0.00868 0.00309 0.00496	Silica, Vitreous Epoxy Cresol Novalic Resin Phenolic Resin Antimony Oxide TBBPA	60676-86-0 29690-82-2 9003-35-4 1309-64-4 79-94-7	15.56 3.78 1.56 0.55 0.89	22.33
			Total Weight	0.55797			