

Material Declaration for R44-100

Product Information	
Part Number:	R44-100XX02
Part Description:	4-40 UNC F/F Spacer (up to 28mm body)
Part Weight (g):	0.138 * XX

Process Data	
Peak Reflow (Deg. C)	n/a
Termination Finish	n/a
RoHS Compliant? (Y/N)	Yes

Homogeneous Material Location	Weight(g)	Tolerance	Substance Name	CAS #
Base Material - Brass	0.0797 * XX	3%	Copper	7440-50-8
	0.0536 * XX	3%	Zinc	7440-66-6
	0.00412 * XX	2%	Lead	7439-92-1
	0	(0.000412 * XX)g max	Iron (impurity only)	7439-89-6
	0	(0.000412 * XX)g max	Tin (impurity only)	7440-31-5
	0	(0.000412 * XX)g max	Nickel (impurity only)	7440-02-0
Plating	0	(0.000069 * XX)g max	Aluminium (impurity only)	7429-90-5
	0	(0.000275 * XX)g max	Other Impurities	
	0.00011 * XX	20%	Nickel	7440-02-0

Product Information	
Part Number:	R44-1003002
Part Description:	4-40 UNC F/F Spacer (30mm body)
Part Weight (g):	4.335

Process Data	
Peak Reflow (Deg. C)	n/a
Termination Finish	n/a
RoHS Compliant? (Y/N)	Yes

Homogeneous Material Location	Weight(g)	Tolerance	Substance Name	CAS #
Base Material - Brass	2.513	3%	Copper	7440-50-8
	1.689	3%	Zinc	7440-66-6
	0.13	2%	Lead	7439-92-1
	0	0.013g max	Iron (impurity only)	7439-89-6
	0	0.013g max	Tin (impurity only)	7440-31-5
	0	0.013g max	Nickel (impurity only)	7440-02-0
Plating	0	0.00217g max	Aluminium (impurity only)	7429-90-5
	0	0.00866g max	Other Impurities	
	0.00269	20%	Nickel	7440-02-0

Product Information	
Part Number:	R44-1003502
Part Description:	4-40 UNC F/F Spacer (35mm body)
Part Weight (g):	5.249

Process Data	
Peak Reflow (Deg. C)	n/a
Termination Finish	n/a
RoHS Compliant? (Y/N)	Yes

Homogeneous Material Location	Weight(g)	Tolerance	Substance Name	CAS #
Base Material - Brass	3.043	3%	Copper	7440-50-8
	2.046	3%	Zinc	7440-66-6
	0.157	2%	Lead	7439-92-1
	0	0.0157g max	Iron (impurity only)	7439-89-6
	0	0.0157g max	Tin (impurity only)	7440-31-5
	0	0.0157g max	Nickel (impurity only)	7440-02-0
Plating	0	0.00262g max	Aluminium (impurity only)	7429-90-5
	0	0.0105g max	Other Impurities	
	0.00295	20%	Nickel	7440-02-0

Material Declaration for R44-100

Product Information	
Part Number:	R44-1004502
Part Description:	4-40 UNC F/F Spacer (45mm body)
Part Weight (g):	7.08


Process Data	
Peak Reflow (Deg. C)	n/a
Termination Finish	n/a
RoHS Compliant? (Y/N)	Yes

Homogeneous Material Location	Weight(g)	Tolerance	Substance Name	CAS #
Base Material - Brass	4.105	3%	Copper	7440-50-8
	2.76	3%	Zinc	7440-66-6
	0.212	2%	Lead	7439-92-1
	0	0.0212g max	Iron (impurity only)	7439-89-6
	0	0.0212g max	Tin (impurity only)	7440-31-5
	0	0.0212g max	Nickel (impurity only)	7440-02-0
	0	0.00354g max	Aluminium (impurity only)	7429-90-5
Plating	0.00348	20%	Other Impurities	
			Nickel	7440-02-0

Product Information	
Part Number:	R44-1005002
Part Description:	4-40 UNC F/F Spacer (50mm body)
Part Weight (g):	7.995

Process Data	
Peak Reflow (Deg. C)	n/a
Termination Finish	n/a
RoHS Compliant? (Y/N)	Yes

Homogeneous Material Location	Weight(g)	Tolerance	Substance Name	CAS #
Base Material - Brass	4.635	3%	Copper	7440-50-8
	3.116	3%	Zinc	7440-66-6
	0.24	2%	Lead	7439-92-1
	0	0.024g max	Iron (impurity only)	7439-89-6
	0	0.024g max	Tin (impurity only)	7440-31-5
	0	0.024g max	Nickel (impurity only)	7440-02-0
	0	0.004g max	Aluminium (impurity only)	7429-90-5
Plating	0.00375	20%	Other Impurities	
			Nickel	7440-02-0

Prepared by: 

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

On behalf of:

