


MATERIAL DECLARATION SHEET



Material Number	PEC11J			
Product Line	Encoders			
Compliance Date	Since Inception			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Materials/ Substances	CASRN If applicable	Materials Mass	Material Mass of total unit wt.	Subpart mass of total wt.
1	Shaft	Aluminum Alloy	0.75	Aluminum	1344-28-1	97.35000%	19.28456%	19.80951%
				Manganese	7439-96-5	1.34000%	0.26545%	
				Calcium	7440-70-2	1.31000%	0.25950%	
2	Rear Cover	LCP	0.18	Glass	65997-17-3	40.00000%	1.42628%	4.75428%
				Liquid crystal polymer	70679-92-4	60.00000%	3.23291%	
3	Bracket	SPCC-SB	0.72	Manganese	7439-96-5	5.00000%	0.95086%	19.01713%
				Phosphorus	7723-14-0	5.00000%	0.95086%	
				Iron	7439-89-6	90.00000%	17.11542%	
	Plating	0.056	Tin	7440-31-5	99.98600%	1.47890%	1.47911%	
			Copper	7440-50-8	0.00040%	0.00001%		
			Antimony	7440-36-0	0.01360%	0.00020%		
4	Switch Dome	Bronze C5210	0.013	Copper	7440-50-8	91.45000%	0.31401%	0.34336%
				Tin	7440-31-5	8.45000%	0.02901%	
				Phosphorus	7723-14-0	0.10000%	0.00034%	
		Plating	0.0015	Silver	7440-22-4	100.00000%	0.03962%	0.03962%
5	Bushing	Zinc Alloy	1.58	Zinc	7440-66-6	94.94000%	39.62040%	41.73204%
				Aluminum	1344-28-1	4.16000%	1.73605%	
				Copper	7440-50-8	0.90000%	0.37559%	

MATERIAL DECLARATION SHEET



6	Wiper Element & Terminals	LCP	0.167	Glass	65997-17-3	40.00000%	1.32328%	4.41092%
				Liquid crystal polymer	70679-92-4	60.00000%	2.99942%	
		Bronze C5210	0.123	Copper	7440-50-8	91.45000%	2.97099%	3.24876%
				Tin	7440-31-5	8.45000%	0.27452%	
				Phosphorus	7723-14-0	0.10000%	0.00325%	
		Plating	0.015	Silver	7440-22-4	100.00000%	0.39619%	0.39619%
7	C-Ring	Steel Wire	0.016	Carbon	7440-44-0	1.00000%	0.00423%	0.42260%
				Manganese	7439-96-5	5.00000%	0.02113%	
				Iron	7439-89-6	94.00000%	0.39725%	
8	Switch Insulation Adopter	LCP	0.009	Glass	65997-17-3	40.00000%	0.07131%	0.23771%
				Liquid crystal polymer	70679-92-4	60.00000%	0.16165%	
9	Rotor	LCP	0.1	Glass	65997-17-3	40.00000%	0.79238%	2.64127%
				Liquid crystal polymer	70679-92-4	60.00000%	1.79606%	
		Brass C268	0.05	Copper	7440-50-8	62.50000%	0.82540%	1.32063%
				Zinc	7440-66-6	37.50000%	0.49524%	
		Plating	0.005	Silver	7440-22-4	100.00000%	0.13206%	0.13206%
10	Lube	Polysiloxane	0.00056	Polysiloxane	9011-19-2	100.00000%	0.01479%	0.01479%
		Total weight	3.78606					

This Document was updated on: 2022/05/16

The weight was measured by model PEC11J-9020F-S0015.

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.