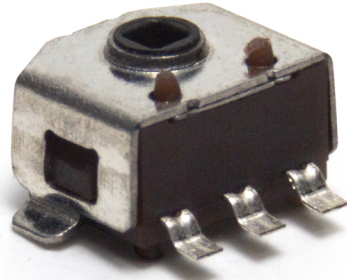


MATERIAL DECLARATION SHE ET

BOURNS®

Material Number	PEC04			
Product Line	Encoders			
Compliance Date	Since Inception			
RoHS Compliant	Yes	MSL	0	

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	Bracket	SPTE	3.22	Carbon	7440-44-0	1	0.2105	21.053
				Manganese	7439-96-5	5	1.0527	
				Phosphorus	7723-14-0	5	1.0527	
				Iron	7439-89-6	88	18.5266	
				Silicon	7440-21-3	1	0.2105	
2	Shaft	LCP	5.208	Liquid Crystal Polymer	70679-92-4	60	20.430	34.05
				Glass fiber	65991-17-3	40	13.620	
3	Wiper	Copper C7701	0.109	Copper	7440-50-8	62	0.4421	0.713
				Nickel	7440-02-0	19.15	0.1365	
				Manganese	7439-96-5	0.5	0.0036	
				Phosphorus	7723-14-0	0.1	0.0007	
				Zinc	7440-66-6	18	0.1283	
				Iron	7439-89-6	0.25	0.0018	
4	Detent Spring	Bronze C5210	0.238	Copper	7440-50-8	91.68	1.427	1.556
				Tin	7440-31-5	8.167	0.127	
				Phosphorus	7723-14-0	0.153	0.002	
		POM	0.046	Trioxane	110-88-3	96	0.289	0.301
				Dioxolane	646-06-0	3	0.009	
				Additive	---	1	0.003	

MATERIAL DECLARATION SHEET

BOURNS®

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. [%]
5	Wiper Element & Terminales	PBT	6.362	Glass	65997-17-3	20	8.319	41.595
				Polybutylene terephthalate	30965-26-5	65	27.03675	
				Antimony Oxide	1309-64-4	4	1.6638	
				Flame Retardant	68928-70-1	10	4.1595	
				Additives	--	1	0.41595	
		Brass	0.087	Copper	7440-50-8	91.45	0.52035	0.569
				Tin	7440-31-5	8.45	0.04808	
				Phosphorus	7723-14-0	0.09	0.00051	
				Zinc	7440-66-6	0.006	0.00004	
				Iron	7439-89-6	0.004	0.00002	
		Plating	0.013	Silver	7440-22-4	100	0.085	0.085
6	Lube	Polysiloxane	0.012	Polysiloxane	9011-19-2	100	0.078	0.078
		Total weight	15.295					

This Document was updated on: 2024/05/14

Important remarks:

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