

Materials

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Category

Description

							Standard Materials	Alternative Materials	On Request
PCB Base Materials	Rigid	Core/Prepreg	FR4 High Tg	MCL-E-679F [J]	Hitachi	high-Temp.	●		
			BT epoxy	HL832NS HL832NSF	Mitsubishi	packaging substrates	●		●
			FR4	MCL-E-705G	Hitachi	packaging substrates	●		
			Polyimide glass	MCL-I-671	Hitachi	high-reliability			●
			High Frequency	HL972LF	Mitsubishi	HF			●
	Flex	Polyimide	Adhesiveless	Pyralux AC/AP	Du Pont				●
				Espanex M-Type	Nippon Steel	standard flex material	●		
				R-F770 / 775	Panasonic	not for military use	●		
				X, W, H-Type	Thinflex				●
		Adhesives	Epoxy based	Innoflex	Innox	for advanced SMT assembly			●
			Acrylic based	Pyralux LF	Du Pont	standard	●		
			High Frequency	undisclosed	undisclosed	HF			●
			Pressure Sensitive	VHB F9460PC	3M	for stiffener	●		
		FRCC	Flexible Resin Coated Copper	R-FR10	Panasonic	ultrathin Pi with pre applied adhesive			●
		LCP	Copper clad core	R-F705S	Panasonic	HF, near hermetic			●
			Bondply	undisclosed	undisclosed	biocompatible			●
Other Materials	Constraining Materials			Copper-Invar-Copper		low CTE	●		
				Copper-Molybdenum-Copper		heat conductivity			●
				Copper		heat conductivity			●
				Aluminium		heat conductivity			●
				Carbon Copper Core		low CTE, stiff, light weight			●
	Surface Protection	Soldermask	NPR80	Nippon Polytech	flex PCB	●			
			PSR-9000	Taiyo	flex PCB	●			
		Coverfilm	Imagecure	Coates	rigid PCB	●			
			Pyralux LF	Du Pont	flex PCB	●			
	Resistive Foil			Inconel	Schlenk	74% Ni 16% Cr 8% Fe			●
	Surface Finishing			ENIG			●		
				ENEPIG			●		
				OSP					●
				Electroplated Ni/Au			●		
				Immersion silver					●
				DIG					●
Biocompatible plated Au							●		

Based in Switzerland, DYCONEX has been in the PCB business for more than 50 years and delivers leading edge interconnect solutions in flex, rigid-flex and rigid technology. DYCONEX core competence lies in the production of highly complex HDI, high-frequency and high-reliability circuit boards for medical, defense, aerospace, industrial and semiconductor applications. DYCONEX is an MST company.



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