

Wiring, Printed – Flexible Material Constructions – Component

COMPANY

E484912

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Type	Cond Width		Cond Thk	SS/DSO	Max Area Diam	Report date After	Surface Mount Technology	Assembly Solder		Solder Limits	Max Oper		Meets UL796F	C	
	Min	Edge						Process	Process		Temp	Flame			
	mm	mm						mic	Temp °C		Cycles	°C			sec
Multilayer flexible materials interconnect constructions, Flammability Recognition only															
HD-FM03	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
HD-FM04	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
HD-FM05	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
Multilayer flexible materials interconnect constructions, Flexible application															
HD-FM06	0.06	0.06	14 Int:35	DS	25.4	No	-	-	-	288	10	105	V-0	-	-
Multilayer flexible materials interconnect constructions, for rigid-flex application															
HD-FM02	0.07	0.07	12 Int:35	DS	50.8	No	-	-	-	288	10	105	V-0	-	-
Multilayer Rigid Flex Composite, Flexible Materials Interconnect Constructions, for flexible application															
HD-RF06(Note1)	0.06	0.06	12	DS	25.4	No	-	-	-	280	20	105	V-0	-	-
Multilayer Rigid Flexible Materials Interconnect Constructions															
HD-FM01	0.08	0.08	9 Int:17	DS	50.8	No	-	-	-	288	10	105	V-0	-	-
Multilayer rigid-flex flexible materials interconnect constructions, Fle-to-install application															
HD-RF08(ASP 1)(Note 3)	0.058	0.058	12 Int:35	DS	18	Yes	Yes	260	3	-	-	105	V-0	All	4
Multilayer rigid-flex flexible materials interconnect constructions, Flexible application															
HD-RF09(Note 2)	0.05	0.05	12 Int:35	DS	18	Yes	Yes	260	3	-	-	105	V-0	All	4
HD-RF10(Note 1)	0.06	0.06	14 Int:35	DS	25.4	No	-	-	-	288	10	105	V-0	-	-
HD-RF11 The external copper thickness in flex area is 12-35mic, and it's 12-	0.05	0.05	12 Int:35	DS	25.4	No	-	-	-	288	20	105	V-0	-	-

102mic in rigid area with 35mic maximum internal copper thickness.															
HD-RF12 The external copper thickness in flex area is 12~35mic, and it's 12~102mic in rigid area with 35mic maximum internal copper thickness.	0.05	0.05	12 Int:35	DS	25.4	No	-	-	-	288	20	105	V-0	-	-
Single layer Flex-to-Install, Flexible Materials Interconnect Constructions															
HD-F06	0.07	0.15	12	DS	25.4	No	-	-	-	280	10	105	V-0		-
Single layer flexible materials interconnect constructions															
HD-F11	-	-	-	DS	-	No	-	-	-	288	10	-	VTM-0	-	-
HD-F12	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
Single layer flexible materials interconnect constructions, for flexible application															
HD-DF16	0.05	0.05	12	DS	25.4	No	-	-	-	280	20	105	V-0	-	-
Single layer flexible materials interconnect constructions, Flammability Recognition only															
HD-F01	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
HD-F02	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
HD-F03	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
HD-F04	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
HD-F05	-	-	-	DS	-	No	-	-	-	288	10	-	VTM-0	-	-
HD-F07	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
HD-F08	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
HD-F09	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
HD-F10	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
Single layer flexible materials interconnect constructions, Flexible application															
HD-DF04	0.05	0.05	12	DS	25.4	No	-	-	-	288	20	105	V-0	All	*
HD-DF05	0.05	0.05	12	DS	25.4	No	-	-	-	288	20	105	V-0	-	*
HD-SF03	0.06	0.06	14	SS	25.4	No	-	-	-	288	10	105	V-0	-	*
Single layer flexible materials interconnect constructions, for flexible application															
HD-DF06(ASP 1)	0.058	0.058	12	DS	18	Yes	Yes	260	3	-	-	105	V-0	All	4
HD-SF01	0.05	0.05	12	SS	25.4	No	-	-	-	280	20	105	V-0	-	-

* - CTI marking is optional and may be marked on the printed wiring board.

(ASP 1) – Assembly solder process evaluated to IPC–TM–650, 2.6.27 Thermal Stress Assembly Simulation.

(Note 1) – The external copper thickness in flex area is 14–35mic, and it's 12–102mic in rigid area.

(Note 2) – For single layer flexible construction: the external copper thickness is 12mic–35mic. For rigid/flex construction: the external copper thickness is 12mic–102mic.the internal copper thickness is 35mic.

(Note 3) – For multilayer flex-to-install construction: the external copper thickness is 12mic–35mic,the internal copper thickness is 35mic. For rigid/flex construction: the external copper thickness is 12mic–102mic.the internal copper thickness is 35mic.

Note1 – For single layer flexible area, the external copper thickness is 12mic–35mic. For rigid arear, the external copper thickness is 12mic–102mic



Marking: Company name or trademark , or file number and type designation. May be followed by a suffix to denote factory identification or flammability classification..

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