



Product iQ®

Wiring, Printed – Flexible Material Constructions – Component

COMPANY

HUADING GROUP CO LTD

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Tsuen Wan, Hong Kong

E484912

Type	Cond Width			SS/ DS/ DSO	Max		Report date After 2022- 01-01	Surface Mount Technology	Assembly Solder		Solder Limits	Max		Meets UL796F	C T			
	Min	Cond	Area		Process	Process			Oper	Flame								
	Min	Edge	Thk		Diam	Temp °C			Cycles	°C		sec	°C			Class	DSR	I
	mm	mm	mic		mm													
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-	0.05	0.05	12	DS	18	Yes	Yes	260	3	-	-	105	V-0	All	4			

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<i>flex area is 12~35mic, and it's 12~102mic in rigid area with 35mic maximum internal copper thickness.</i>															
<i>HD-RF12</i> 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															
<i>HD-F06</i>	0.07	0.15	12	DS	25.4	No	-	-	-	280	10	105	V-0	▲	-
Single layer flexible materials interconnect constructions															
<i>HD-F11</i>	-	-	-	DS	-	No	-	-	-	288	10	-	VTM-0	-	-
<i>HD-F12</i>	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
Single layer flexible materials interconnect constructions, for flexible application															
<i>HD-DF16</i>	0.05	0.05	12	DS	25.4	No	-	-	-	280	20	105	V-0	-	-
Single layer flexible materials interconnect constructions, Flammability Recognition only															
<i>HD-F01</i>	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
<i>HD-F02</i>	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
<i>HD-F03</i>	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
<i>HD-F04</i>	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
<i>HD-F05</i>	-	-	-	DS	-	No	-	-	-	288	10	-	VTM-0	-	-
<i>HD-F07</i>	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
<i>HD-F08</i>	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
<i>HD-F09</i>	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-
<i>HD-F10</i>	-	-	-	DS	-	No	-	-	-	288	10	-	V-0	-	-

HD-SF01	0.05	0.05	12	SS	25.4	No	-	-	-	280	20	105	V-0	-	-
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* - 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

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Last Updated on 2024-02-09

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