

Wiring, Printed – Component

COMPANY

E347973

HUADING GROUP CO LTD

12/F, Nanfung Centre

264-298 Castle Peak Rd

Tsuen Wan, Hong Kong

Type	Cond Width				Max		Report						Max			
	Min		Cond	SS/	Area	date	Surface	Assembly	Solder	Solder	Oper		Meets	C		
	Min	Edge	Thk	DS/	Diam	After	Mount	Process	Process	Limits	Temp	Flame	UL796	T		
	mm	mm	mic	DSO	mm	2022-01-01	Technology	Temp °C	Cycles	°C	sec	°C	Class	DSR	I	
Metal Base Single Layer Printed Wiring Boards with Flammability Only Recognition																
HD-MC04	-	-	-	SS	-	No	-	-	-	288	10	-	V-0	-	-	
Multilayer printed wiring boards																
HD-03	0.15	0.45	17 Int:35	DS	25.4	No	-	-	-	260	10	105	V-0	All	-	
HD-05	0.1	0.1	17 Int:68	DS	50.8	No	-	-	-	288	20	130	V-0	All	1	
HD-06	0.075	0.075	17 Int:68	DS	50.8	No	-	-	-	288	20	130	V-0	All	3	
HD-09	0.15	0.45	17 Int:35	DS	25.4	No	-	-	-	280	10	110	V-0	All	*	
HD-M02	0.1	0.3	17 Int:24	DS	25	No	-	-	-	250	10	130	V-0	All	*	
HD-M12	0.1	0.1	18 Int:70	DS	25.4	No	-	-	-	280	10	130	V-0	All	*	
HD-M13 (ASP 1)	0.1	0.1	18 Int:70	DS	25.4	Yes	Yes	260	3	-	-	130	V-0	All	*	
HD-M20	0.075	0.2	17 Int:70	DS	50.8	No	-	-	-	288	20	110	V-0	All	*	
HD-M21	0.15	0.25	17 Int:70	DS	50.8	No	-	-	-	288	20	130	V-0	All	*	
HD-M22	0.1	0.1	12 Int:70	DS	50.8	No	-	-	-	288	20	130	V-0	All	*	
HD-M23	0.15	0.45	17 Int:34	DS	50.8	No	-	-	-	288	20	130	V-0	All	0	
HD-M24	0.08	0.24	17 Int:34	DS	25.4	No	-	-	-	260	10	130	V-0	All	*	

HD-M25	0.08	0.08	17 Int:34	DS	25.4	No	-	-	-	280	10	130	V-0	All	*
HD-M26	0.08	0.24	17 Int:102	DS	76.2	No	-	-	-	288	20	130	V-0	All	*
HD-M27	0.08	0.08	12 Int:70	DS	25.4	No	-	-	-	288	10	130	V-0	All	*
HD-M28	0.35	0.35	17 Int:175	DS	▲50.8	No	-	-	-	255	5	130	V-0	All	*
HD-M29	0.25	0.3	17 Int:212	DS	50.8	No	-	-	-	288	10	130	V-0	All	*
HD-M30	0.25	0.3	17 Int:212	DS	50.8	No	-	-	-	288	10	130	V-0	All	*
HD-M31	0.08	0.24	17 Int:34	DS	50.8	No	-	-	-	260	10	130	V-0	All	*
HD-M32	0.08	0.1	17 Int:60	DS	50.8	No	-	-	-	288	20	130	V-0	All	4
HD-M33	0.05	0.05	10 Int:102	DS	76.2	No	-	-	-	280	20	130	V-0	All	*
HD-M34	0.05	0.05	10 Int:102	DS	76.2	No	-	-	-	280	20	130	V-0	All	*
HD-M35	0.05	0.05	10 Int:68	DS	76.2	No	-	-	-	280	20	130	V-0		3
HD-M36 (ASP1)	0.05	0.05	10 Int:68	DS	76.2	Yes	Yes	260	6	-	-	130	V-0	All	3
HD-M37	0.05	0.05	10 Int:68	DS	152.4	No	-	-	-	288	20	130	V-0	All	*
HD-M38	0.05	0.05	10 Int:68	DS	152.4	No	-	-	-	288	20	130	V-0	All	*
HD-M39	0.05	0.05	10 Int:68	DS	152.4	No	-	-	-	288	20	130	V-0	All	*
HD-M40	0.05	0.05	10 Int:68	DS	76.2	No	-	-	-	280	20	130	V-0	All	3
HD-M41	0.05	0.05	10 Int:68	DS	76.2	No	-	-	-	280	20	130	V-0	All	2
HD-M42	0.05	0.05	10 Int:68	DS	76.2	No	-	-	-	280	20	130	V-0	All	2
HD-M43	0.05	0.05	10 Int:102	DS	76.2	No	-	-	-	280	20	130	V-0	All	*
HD-M44	0.05	0.05	10 Int:68	DS	76.2	No	-	-	-	280	20	130	V-0	All	2
HD-M45	0.05	0.05	10 Int:68	DS	152.4	No	-	-	-	288	20	130	V-0	All	*
HD-M46 (ASP1)	0.05	0.05	10 Int:68	DS	76.2	Yes	Yes	260	6	-	-	130	V-0	All	*
HD-M47	0.10	0.10	12 Int:68	DS	76.2	No	-	-	-	280	20	105	V-0	All	*

HD-M48 (ASP1)	0.05	0.05	10 Int:68	DS	76.2	Yes	Yes	260	6	-	-	130	V-0	All	*
HD-M49	0.05	0.05	10 Int:68	DS	76.2	No	-	-	-	280	20	130	V-0	All	*
HD-M50	0.05	0.05	10 Int:68	DS	76.2	No	-	-	-	280	20	130	V-0	All	3
HD-M51	0.05	0.05	11 Int:35	DS	76	No	-	-	-	288	20	120	V-0	All	*
HD-M52	0.05	0.05	10 Int:102	DS	76.2	No	-	-	-	280	20	130	V-0	All	*
Multilayer Printed Wiring Boards															
HD-M53	0.05	0.05	10 Int:68	DS	76.2	No	-	-	-	280	20	130	V-0	All	3
Multilayer printed wiring boards															
HD-M54	0.05	0.05	10 Int:68	DS	76.2	No	-	-	-	280	20	130	V-0	All	3
HD-ML10	0.08	0.1	17 Int:102	DS	76.2	No	-	-	-	288	20	130	V-0	All	*
HD-ML11	0.08	0.1	17 Int:102	DS	76.2	No	-	-	-	288	20	130	V-0	All	*
HD-ML12	0.05	0.05	17 Int:34	DS	76.2	No	-	-	-	280	10	105	V-0	All	*
HD-ML13	0.1	0.2	17 Int:34	DS	76.2	No	-	-	-	260	10	105	V-0	All	-
HD-ML14	0.1	0.2	17 Int:34	DS	76.2	No	-	-	-	260	10	105	V-0	All	-
HD-ML16 (Note 1)(ASP 1)	0.25	0.25	12 Int:102	DS	25.4	Yes	Yes	260	6	-	-	150	V-0	All	*
Multilayer Printed Wiring Boards with Flammability Recognized only															
HD-M55	-	-	-	DS	-	No	-	-	-	280	20	-	V-0	-	-
Multilayer printed wiring boards, flammability only Recognition															
HD-M14	-	-	-	DS	-	No	-	-	-	265	5	-	V-0	-	-
Single layer Metal Bae printed wiring boards															
HD-MC15	0.15	0.3	17	SS	50.8	No	-	-	-	288	60	90	V-0	All	0
Single Layer Metal Base Printed Wiring Board															
HD-MC10	0.1	0.25	17	SS	50.8	No	-	-	-	288	10	110	V-0	All	0
HD-MC11	0.1	0.25	17	SS	50.8	No	-	-	-	288	10	130	V-0	All	0
HD-MC18	0.15	0.25	17	DS	50.8	No	-	-	-	288	10	90	V-0	All	*

HD-MC19	0.15	0.25	17	DS	50.8	No	-	-	-	288	10	110	V-0	All	*
Single Layer Metal Base Printed Wiring Board, employing metal base laminate															
HD-MC16 (ASP 1)	0.12	0.12	17	SS	76.2	Yes	Yes	260	6	-	-	150	V-0	All	*
Single Layer Metal Base Printed Wiring Board, employing metal base laminate.															
HD-MC06	0.19	0.24	26	SS	50.8	No	-	-	-	288	20	125	V-0	-	-
Single Layer Metal Base Printed Wiring Board.															
HD-MC08	0.1	0.3	17	SS	50.8▲	No	-	-	-	288	30	90	V-0	-	0
HD-MC20	0.15	0.25	17	DS	50.8	No	-	-	-	288	10	140	V-0	All	*
Single layer printed wiring boards															
HD-02	0.12	0.36	17	DS	25.4	No	-	-	-	260	10	130	V-0	All	-
HD-07	0.15	0.2	17	DS	25.4	No	-	-	-	260	10	130	V-0	All	*
HD-08	0.1	0.1	17	DS	50.8	No	-	-	-	288	20	130	V-0	All	*
HD-10	0.02	0.06	17	DS	25.4	No	-	-	-	280	10	110	V-0	All	*
HD-D08 (ASP 1)	0.1	0.1	18	DS	25.4	Yes	Yes	260	3	-	-	130	V-0	All	*
HD-D09	0.1	0.1	18	DS	25.4	No	-	-	-	280	10	130	V-0	All	*
HD-D16 (Note 1)(ASP 1)	0.25	0.25	12	DS	25.4	Yes	Yes	260	6	-	-	150	V-0	All	*
HD-D19	0.18	0.38	34	SS	25.4	No	-	-	-	260	10	130	V-0	All	*
HD-D20	0.18	0.51	34	SS	25.4	No	-	-	-	260	10	105	V-0	All	*
HD-D21	0.08	0.23	17	DS	25.4	No	-	-	-	260	10	130	V-0	All	*
HD-D22	0.08	0.23	34	SS	25.4	No	-	-	-	260	10	130	V-0		*
HD-D23	0.08	0.23	17	DS	25.4	No	-	-	-	260	10	130	V-0	All	*
HD-D24	0.08	0.24	17	DS	50.8	No	-	-	-	260	10	130	V-0	All	*
HD-D25	0.08	0.24	17	DS	25.4	No	-	-	-	280	10	130	V-0	All	*
Single Layer Printed Wiring Boards															
HD-	0.15	0.15	17	DS	50.8	No	-	-	-	288	20	130	V-0	-	*

D26															
HD-D27	0.15	0.15	17	DS	50.8	No	-	-	-	288	20	105	V-0	-	*
HD-D28	0.15	0.15	34	DS	50.8	No	-	-	-	288	20	105	V-0	-	-
Single layer printed wiring boards															
HD-D29	0.076	0.076	17	DS	50.8	No	-	-	-	288	10	130	V-0	All	*
HD-D30	0.2	0.58	34	SS	25.4	No	-	-	-	260	10	130	HB		*
Single Layer Printed Wiring Boards															
HD-D31	0.125	0.125	27	DS	50.8	No	-	-	-	288	20	105	V-0	-	*
HD-D32	0.1	0.2	17	DS	50.8	No	-	-	-	288	20	130	V-0	All	*
Single layer printed wiring boards															
HD-D33	0.15	0.15	17	DS	25.4	No	-	-	-	288	10	130	V-0	All	*
HD-D36	0.10	0.10	17	DS	50.8	No	-	-	-	288	20	130	V-0	All	3
HD-D38	0.05	0.05	10	DS	76.2	No	-	-	-	280	20	130	V-0	All	*
HD-D39	0.05	0.05	10	DS	76.2	No	-	-	-	280	20	130	V-0	All	*
HD-D40	0.05	0.05	17	DS	76.2	No	-	-	-	280	10	105	V-0	All	*
HD-D41	0.1	0.2	17	DS	76.2	No	-	-	-	260	10	105	V-0	All	-
HD-D43	0.1	0.2	17	DS	25.4	No	-	-	-	280	20	130	V-0	All	-
HD-D44	0.05	0.05	10	DS	76.2	No	-	-	-	280	20	130	V-0	All	*
HD-D45	0.05	0.05	10	DS	76.2	No	-	-	-	280	20	130	V-0	All	*
HD-D46	0.05	0.05	17	DS	76	No	-	-	-	288	20	120	V-0	All	*
Single Layer Printed Wiring Boards															
HD-D47	0.06	0.075	10	DS	76.2	No	-	-	-	280	20	120	V-0	All	*
HD-D48	0.05	0.05	10	DS	76.2	No	-	-	-	280	20	130	V-0	All	*
Single layer printed wiring boards															
HD-M40	0.1	0.2	17	DS	76.2	No	-	-	-	260	10	105	V-0	All	-
HD-S01	0.20	0.48	35	SS	25.4	No	-	-	-	260	10	130	V-1	All	-
HD-S02	0.20	0.48	35	SS	25.4	No	-	-	-	260	10	130	V-0	All	-

HD-S03	0.15	0.15	34	SS	35	No	-	-	-	260	10	130	V-0	All	*
HD-S04	0.15	0.15	34	SS	35	No	-	-	-	280	10	130	V-0	All	*
HD-S16 (ASP 1)	0.10	0.10	25	SS	25.4	Yes	Yes	245	2	-	-	130	V-0	All	*
HD-S18	0.15	0.15	34	SS	25.4	No	-	-	-	288	10	130	V-0	All	*
HD-S26	0.15	0.15	34	SS	25.4	No	-	-	-	288	10	130	V-0	All	*
Single Layer Printed Wiring Boards Flammability Only Recognition															
HD-D17	-	-	-	DS	-	No	-	-	-	288	20	-	V-0	-	*
Single layer printed wiring boards, flammability only Recognition															
HD-01	-	-	-	DS	-	No	-	-	-	288	15	-	V-0	-	-
HD-D05	-	-	-	DS	-	No	-	-	-	265	5	-	V-0	-	-
HD-D10	-	-	-	DS	-	No	-	-	-	280	10	-	V-0	-	-
HD-D11	-	-	-	DS	-	No	-	-	-	280	10	-	V-0	-	-
HD-D12	-	-	-	DS	-	No	-	-	-	280	10	-	V-0	-	-
HD-D13	-	-	-	DS	-	No	-	-	-	280	10	-	V-0	-	-
HD-D14	-	-	-	DS	-	No	-	-	-	280	10	-	V-0	-	-
HD-S05	-	-	-	SS	-	No	-	-	-	260	10	-	V-1	-	-
HD-S10	-	-	-	SS	-	No	-	-	-	260	10	-	V-0	-	-
Singlelayer printed wiring boards															
HD-D35	0.08	0.1	17	DS	76.2	No	-	-	-	288	20	130	V-0	All	*
HD-D37	0.08	0.1	17	DS	76.2	No	-	-	-	288	20	130	V-0	All	*

* - 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 - Minimum conductor width and edge conductor width is 0.075mm when external copper thickness is 12-102mic.
Minimum conductor width and edge conductor width is 0.25mm when external copper thickness is 103-140mic.

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