

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			SS/ DSO	Max	Report	Surface Mount	Assembly Process	Solder Process	Solder Limits	Max			Meets UL796	C T
	Min	Cond	Area		date	Oper					Flame				
	Min	Edge	Thk		Diam	After					Temp	Class	DSR		
Type	mm	mm	mic	DSO	mm	2022- 01-01	Technology	°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 (ASP 1)	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 (ASPI)	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-D26	0.15	0.15	17	DS	50.8	No	-	-	-	288	20	130	V-0	-	*

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.

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

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2026 UL LLC."