

10/100BASE-TX QUAD PORT TRANSFORMER MODULES

For Use with Transceivers Requiring 1:1 Transmit and Receive Turns Ratios



-  RoHS-6 peak reflow temperature rating: 245°C
-  RoHS-5 peak reflow temperature rating: 235°C
-  Meets IEEE 802.3 specification
-  Models designed to support four single- or double-stacked RJ-45 connectors

Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

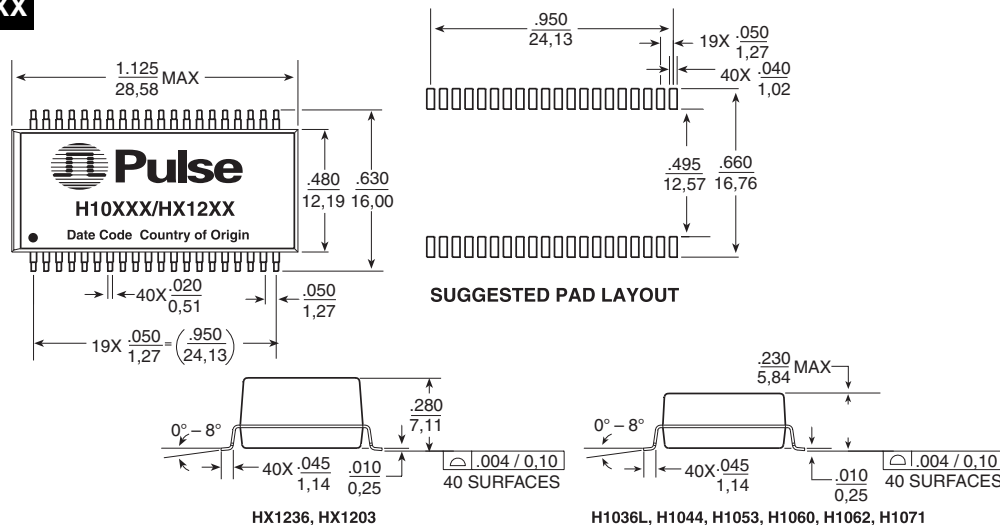
RoHS-5 ⁴ Compliant Part Number	RoHS-6 ⁵ Compliant Part Number	Insertion Loss (dB TYP)	Return Loss (dB TYP)					Crosstalk (dB TYP)				Common to Common Rejection Ratio 0.1-60MHz (dB TYP)		Differential to Common Mode Rejection (dB TYP)	
			0.1-100MHz	2-30MHz	40MHz	50MHz	60-80MHz	1MHz	30MHz	60MHz	100MHz	Transmit	Receive	1-60MHz	60-200MHz
H1036L	H1036LNL ^{3d}	-0.5		-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30
H1044	H1044NL ^{3d}	-0.5		-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30
H1053	H1053NL ^{3d}	-0.5		-21	-17	-14.5	-12	-65	-50	-40	-30	-30	-30	-40	-30
H1053	H1053NL ^{3d}	-0.5		-21	-17	-14.5	-12	-65	-50	-40	-30	-30	-30	-40	-30
H1062	H1062 NL ^{3d}	-0.5		-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30
H1071	H1071 NL ^{3d}	-0.5		-21	-17	-14.5	-12	-65	-50	-40	-30	-30	-30	-40	-30
HX1203 ¹	HX1203NL ^{3d}	-0.5		-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30
HX1236 ¹	HX1236NL ^{3c}	-0.5		-18	-16	-14.5	-12	-50	-45	-40	-35	-30	-30	-40	-35

- Operating temperature -40° to +85°C.
- For Tape & Reel packaging, add a suffix "T" to the end of the part number when ordering. e.g. H1036LT.
- MSL=Moisture Sensitivity Level a=1 b=2 c=3 d=4.
- RoHS-5: Product does not contain 5 out of the 6 banned substances specified in the RoHS directive (product contains lead in applications considered solder).
- RoHS-6: Product does not contain 5 out of the 6 banned substances specified in the RoHS directive. Some internal connections may contain lead in high-temperature solder (solder alloys containing more than 85% lead).

NOTE: All models meet input/output breakdown (Hipot) of 1500 Vrms.

Mechanical

H10XX, HX12XX



Weight 4.0 grams TYP
Tube 15/tube
Tape & Reel 250/reel

Dimensions: Inches Unless otherwise specified, all tolerances are ± .010 mm 0,25

USA 858 674 8100 • UK 44 1483 401 700 • France 33 3 84 35 04 04 • Singapore 65 6287 8998 • Shanghai 86 21 32181071 • China 86 769 5538070 • Taiwan 886 2 26980228

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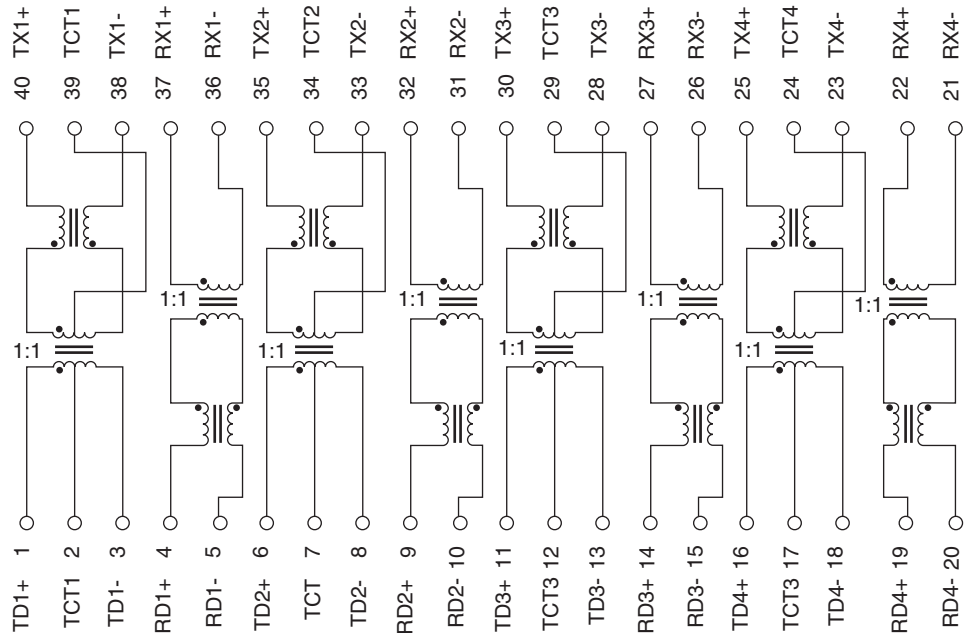
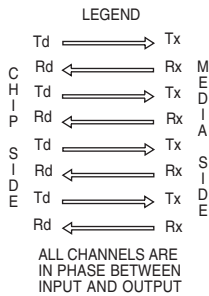
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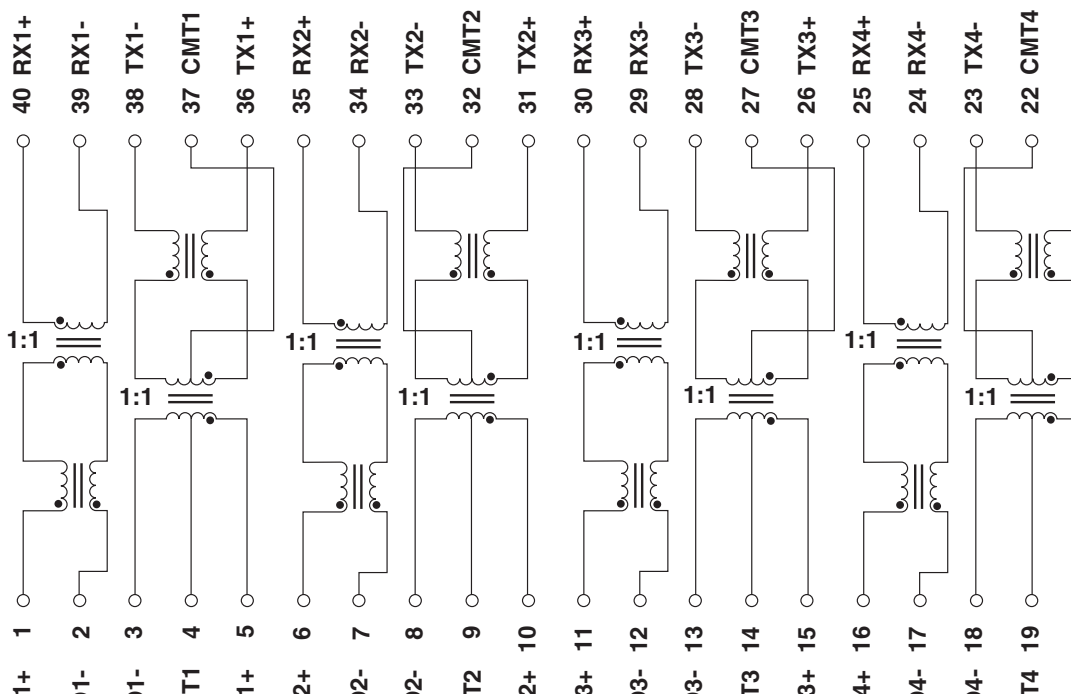
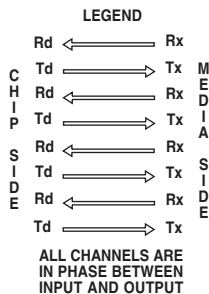
Quad-Port Solutions: The H1036L, H1044, H1053, H1060, H1062, and H1071 are quad modules designed to support four single or double stacked RJ-45 connectors. Each has a different pinout for optimization in layout with various IC manufacturers.

Schematics

H1036L, HX1236



H1044



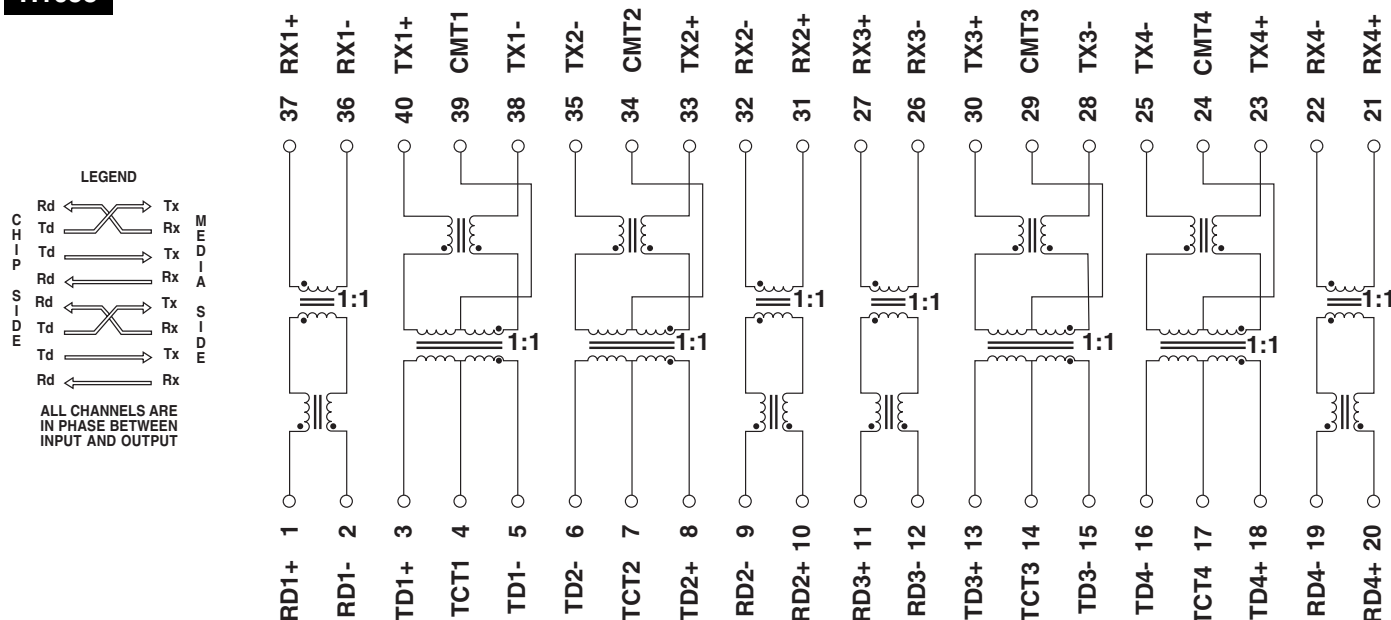
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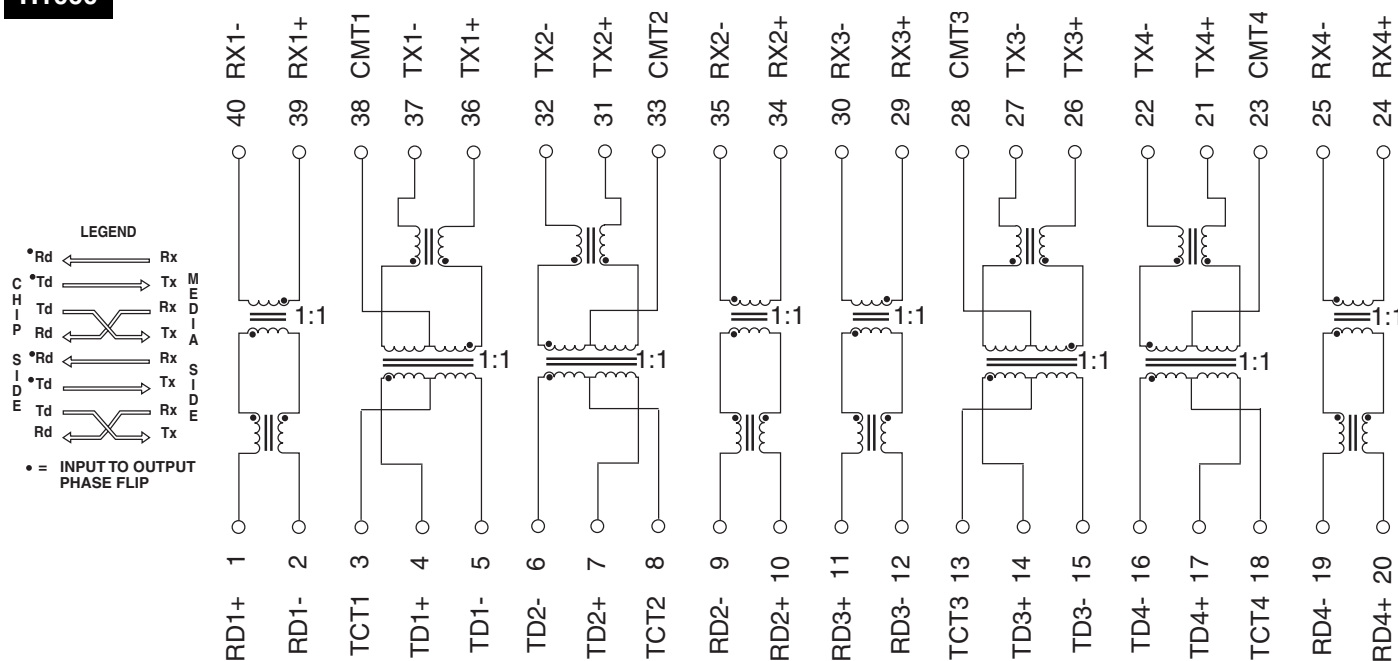


Schematics

H1053



H1060



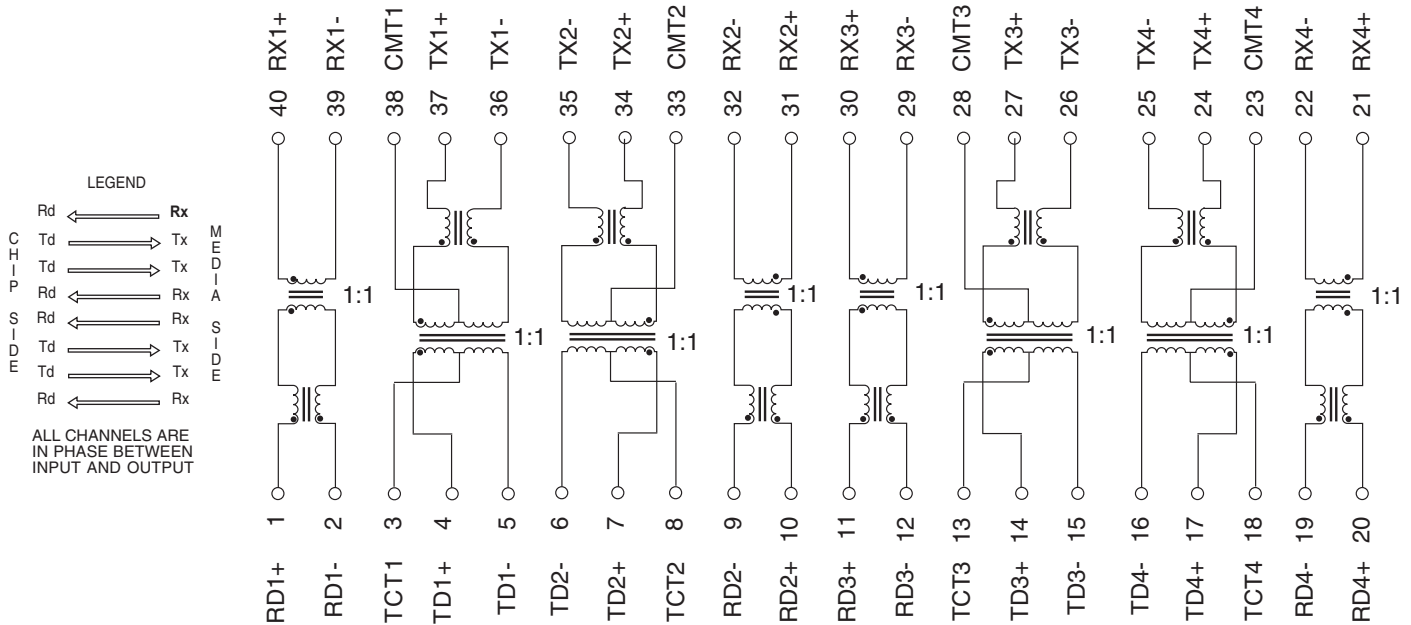
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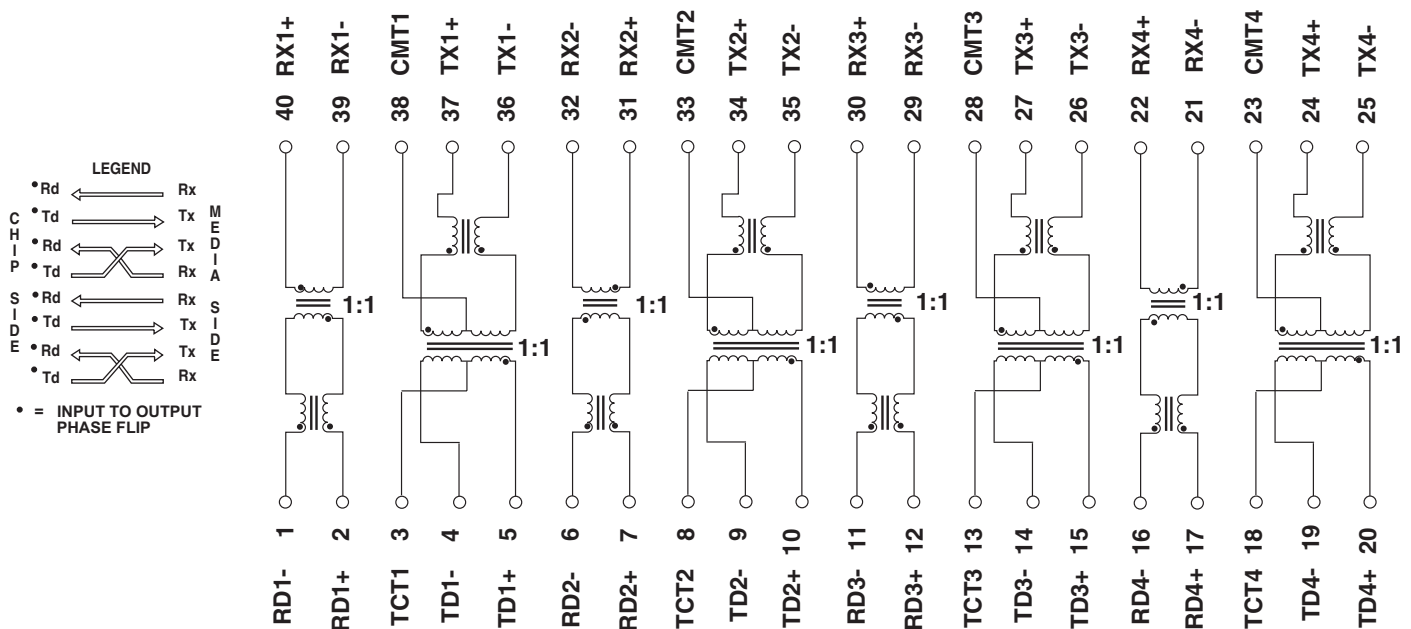


Schematics

H1062, HX1203



H1071

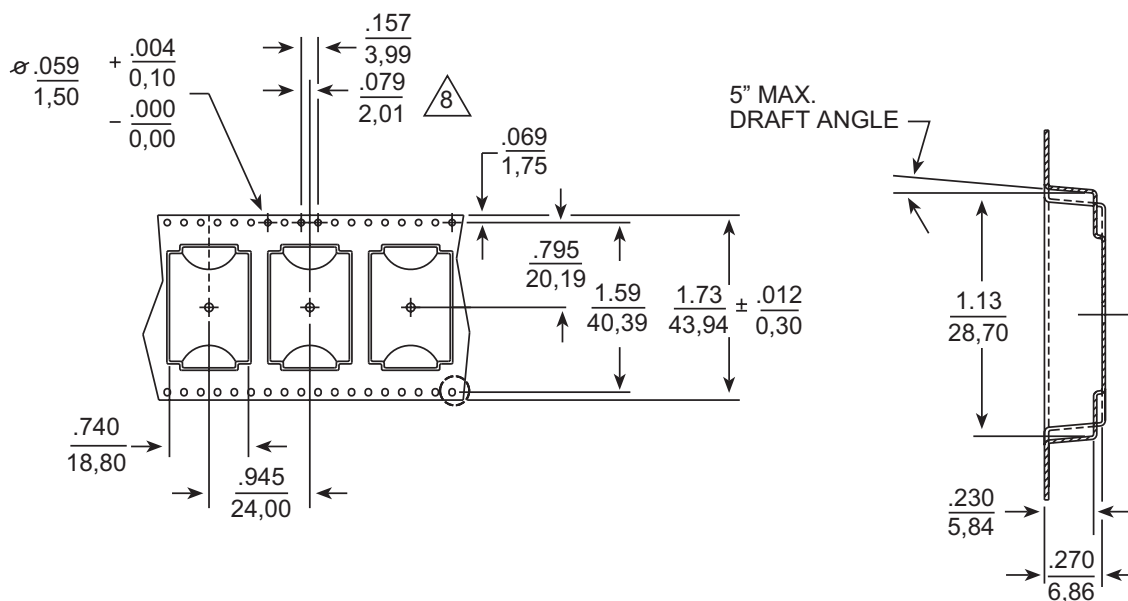


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Tape & Reel Specifications



For More Information:

Pulse Worldwide Headquarters

12220 World Trade Dr.
San Diego, CA 92128
U.S.A.

www.pulseeng.com

TEL: 858 674 8100
FAX: 858 674 8262

Pulse European Headquarters

Einsteinstrasse 1
71083 Herrenberg
Germany

TEL: 49 7032 7806 0
FAX: 49 7032 7806 12

Pulse China Headquarters

No. 1
Industrial District
Changan, Dongguan
China

TEL: 86 769 85538070
FAX: 86 769 85538870

Pulse North China

Room 1503
XinYin Building
No. 888 YiShan Rd.
Shanghai 200233
China

TEL: 86 21 54643211/2
FAX: 86 21 54643210

Pulse South Asia

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324

TEL: 65 6287 8998
FAX: 65 6280 0080

Pulse North Asia

No. 26
Kao Ching Rd.
Yang Mei Chen
Taoyuan Hsien
Taiwan, R. O. C.

TEL: 886 3 4641811
FAX: 886 3 4641911

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