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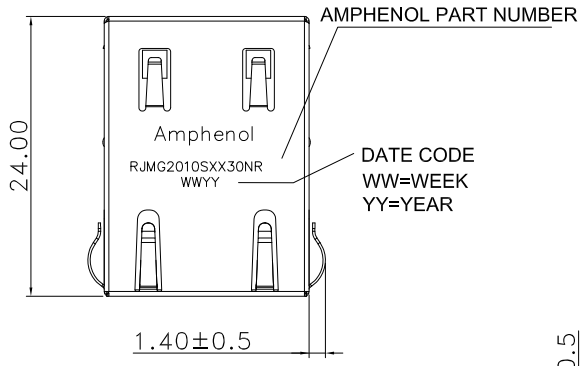
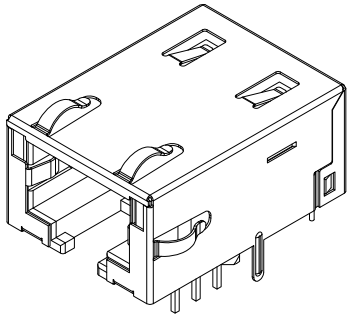
CUSTOMER DRAWING

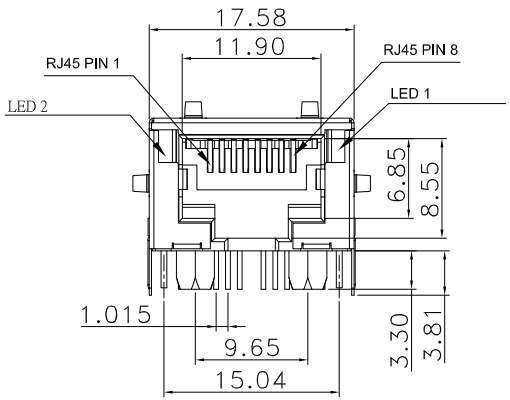
ORIGINAL

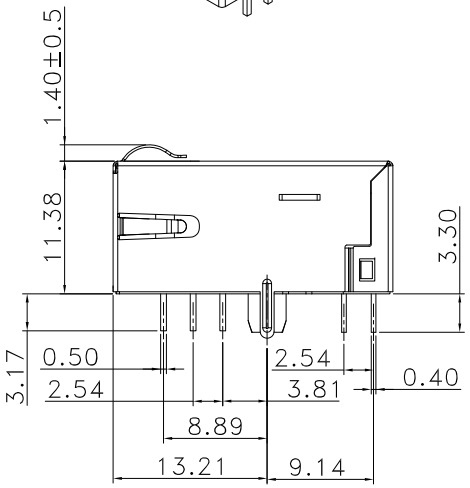
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A	NE-13187	NEW RELEASED	12/06/2013	Roger Tsai

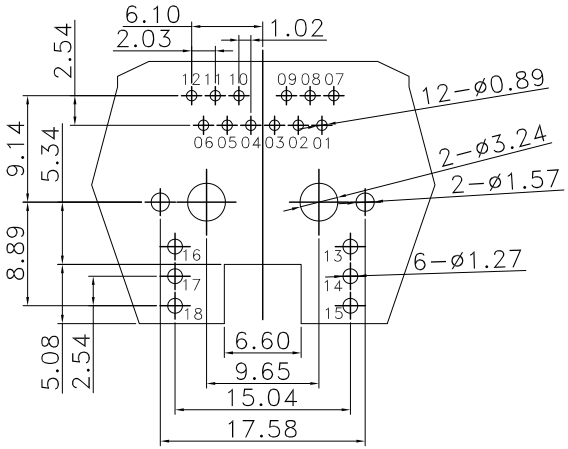
Amphenol Taiwan RoHS Compliant 2011/65/EU











FOR ONE UNIT

NOTES:
1. MATERIAL:
 1.1 HOUSING: THERMOPLASTIC, UL94 V-0; COLOR: BLACK
 1.2 RJ CONTACT: COPPER ALLOY, T=0.30±0.02mm.
 1.3 SHELL: COPPER ALLOY, T=0.20±0.02mm.
2. FINISH:
 2.1 CONTACT:
  GOLD PLATING 30μ" ON CONTACT AREA.
  100μ" MIN. MATTE-TIN PALTING ON SOLDER TAIL AREA.
  50μ" MIN. NICKEL UNDERPLATING OVERALL.
 2.2 SHELL:
  50μ" MIN. NICKEL UNDERPLATING OVERALL.
4. PRODUCT SPECIEICATION REFER TO : PS-922
5. TEST SUMMARY REFER TO : TR-13-XXX
6. RECOMMENDED P.C.B THICKNESS : 1.6mm
7. OTHER GENERAL SPEC. TO REFER : RJ SERIES SPEC.

OTHERS:
1. Operating Temperature : 0°C TO +70°C
2. Storage Temperature : -40°C TO +85°C
3. WAVE SOLDERING TEMPRATURE : 265 DEG.C 10 SEC MAX
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 , SUBPART F

TOLERANCE	APPROVALS	DATE	TITLE
X.	DRAWN Devin Yen	12/06/2013	RJMG2010 Series 1X1 1000 Base-T Series with LED options
X.X ±0.35	CHECKED Vivian Wen	12/06/2013	
X.XX ±0.25	APPROVED Roger Tsai	12/06/2013	
X.XXX ±0.15	DWG TYPE CUST DWG	PROJECT CODE RJMG	
ANGULAR ±1°			
UNLESS OTHERWISE SPECIFIED			

UNIT	SIZE	PART No.
mm	A3	RJMG2010SXX30NR
SCALE NA	SHEET 1 OF 3	DWG No. RJMG2010SXX30NR REV. A

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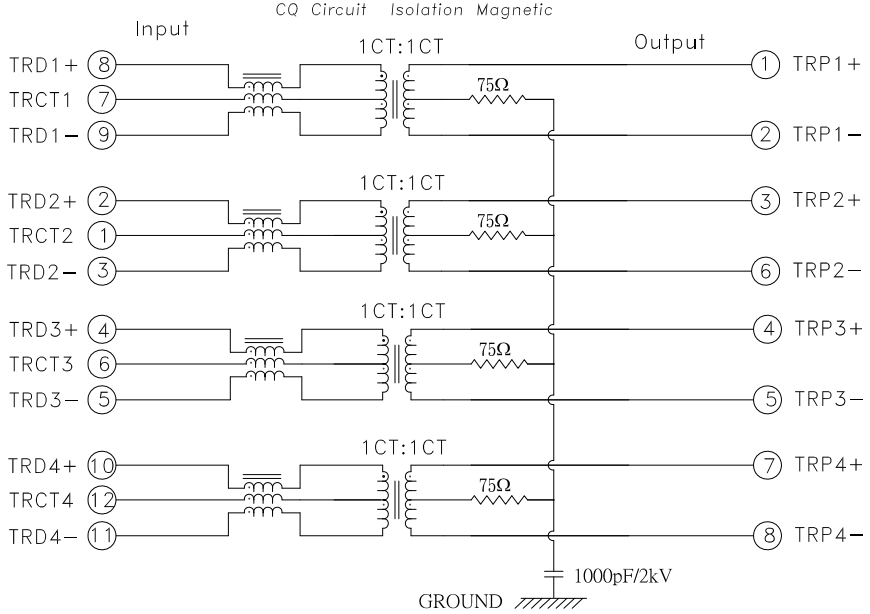
SCHEMATIC

CQ Circuit Isolation Magnetic



LED CONFIGURATION

ELECTRICAL CHARACTERISTICS

TEST NOTES(25±℃)

1.TR:(100kHz,100mV)

PINS:(P8−P9):(J1−J2)=1:1±3%;(P2−P3):(J3−J6)=1:1±3%

PINS:(P4−P5):(J4−J5)=1:1±3%;(P10−P11):(J7−J8)=1:1±3%

2.LX:(100kHz,100mV,8mA DC Bias)

PINS:(P8−P9),(P2−P3),(P4−P5),(P10−P11)=350uH MINIMUM

3.DCR:

PINS:(JI−J2),(J3−J6),(J4−J5),(J7−J8)=1.2 OHMS MAXIMUM

4.HIPOT:

PINS:(P8−P9)TO(J1−J2),(P2−P3)TO(J3−J6)=1500Vrms

PINS:(P4−P5)TO(J4−J5),(P10−P11)TO(J7−J8)=1500Vrms

5.INSERTION LOSS:

−0.8dB MAXIMUM AT 1MHz−100MHz

−1.2dB MAXIMUM AT 100MHz−125MHz

6.RETURN LOSS

−18dB MINIMUM AT 0.5MHz TO 40MHz

−12+20log(f/80MHz)dB MINIMUM AT 40MHz TO 100MHz

7.CROSS TALK:

−33+20log(f/100MHz)dB MINIMUM AT 0.1MHz TO 100MHz

8.COMMON TO DIFFERENTIAL MODE REJECTION

−30dB MINIMUM AT 0.3MHz TO 100MHz

9.COMMON TO COMMON MODE REJECTION

−30dB MINIMUM AT 0.3MHz TO 100MHz

10:LED1&LED2

VF(FORWARD VOLTAGE) IF=20mA GREEN2.2V TYP,ORANGE 2.1V TYP

D(DOMINANT WAVELENGTH) IF=20mA,GREEN 565 TYP,ORANGE 605 TYP

RJMG2010SXX30NR

LED1(RIGHT SIDE) OPTIONS
- 0− NO LED
- 6− Bi−color Green/Orange (3 LEADS)
- 4− Bi−color Green/Yellow (3 LEADS)

LED2 (LEFT SIDE) OPTIONS
- SEE LED1 OPTIONS

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X.XXX ±0.15		
ANGULAR ±1°	APPROVED Roger Tsai	12/06/2013
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE RJMG

TITLE: RJMG2010 Series 1X1 1000 Base−T Series with LED options

UNIT: mm | SIZE: A3 | SCALE: NA | SHEET: 2 OF 3

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Amphenol Taiwan Corporation

PART No.: RJMG2010SXX30NR

DWG No.: RJMG2010SXX30NR | REV.: A

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CUSTOMER DRAWING

ORIGINAL

Package Drawing

Amphenol Taiwan RoHS Compliant 2011/65/EU

REVISIONS				
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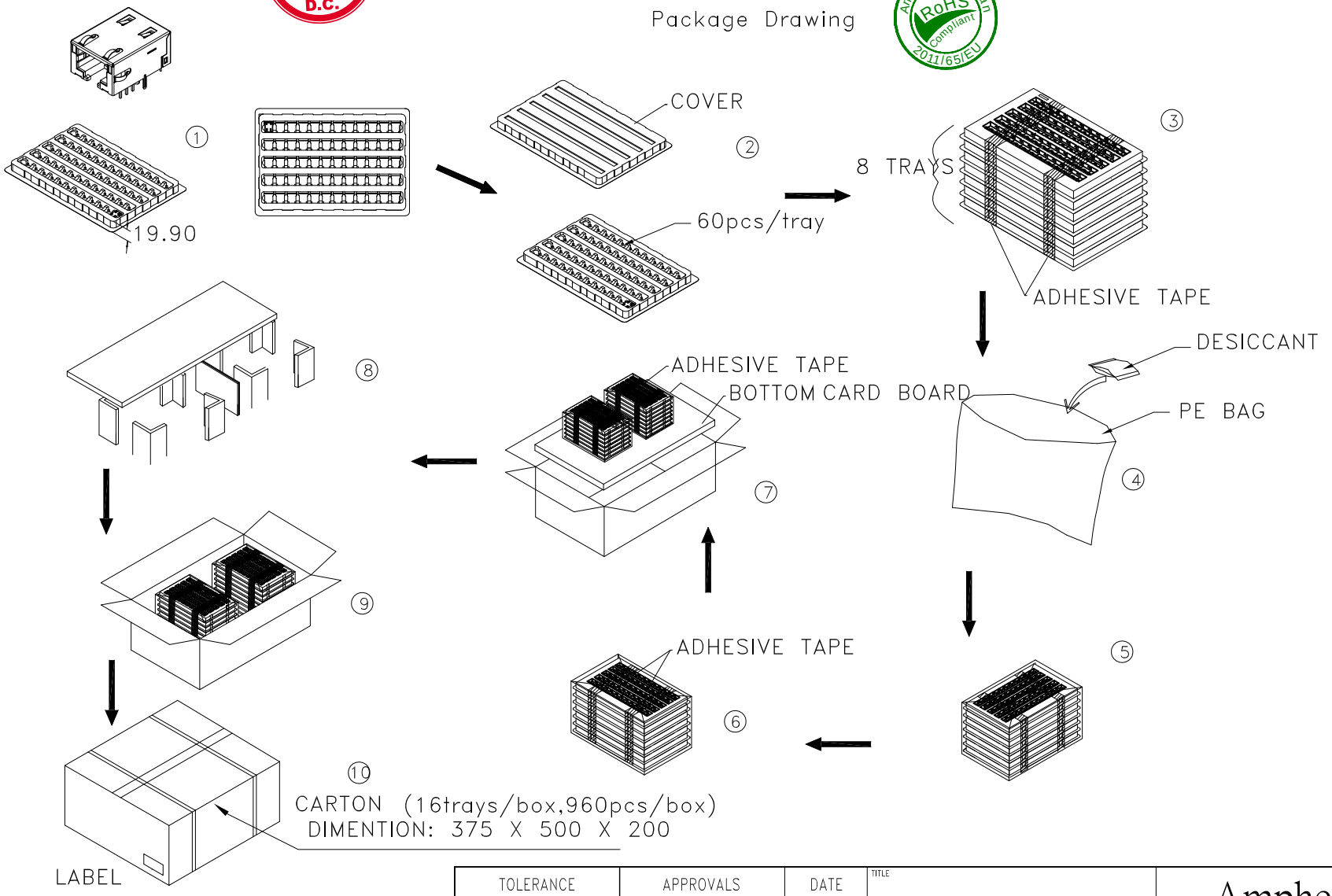

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X.X ±0.35	CHECKED Vivian Wen	12/06/2013				
X.XX ±0.25	APPROVED Roger Tsai	12/06/2013		UNIT mm	SIZE A3	PART No. RJMG2010SXX30NR
X.XXX ±0.15						
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE RJMG		SCALE NA	SHEET 3 OF 3	DWG No. RJMG2010SXX30NR REV. A
UNLESS OTHERWISE SPECIFIED						