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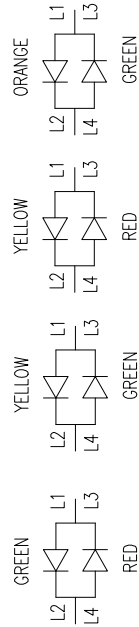
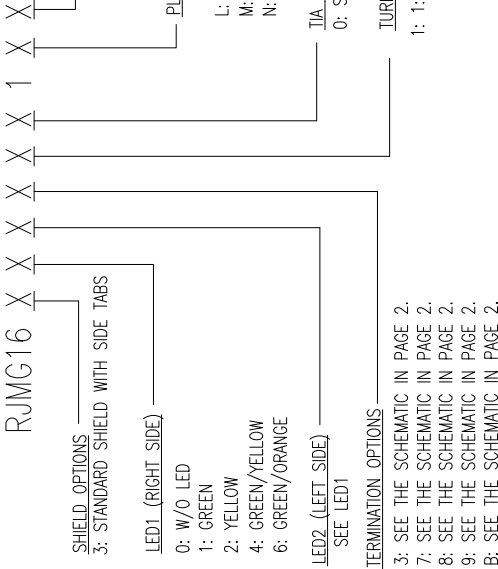
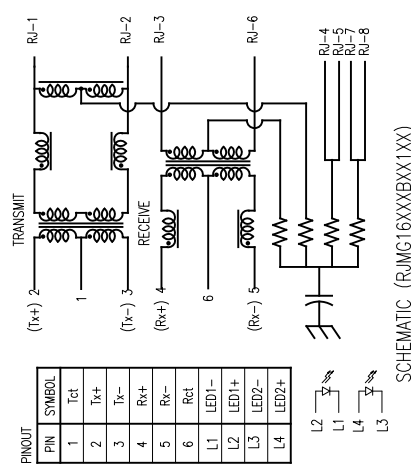
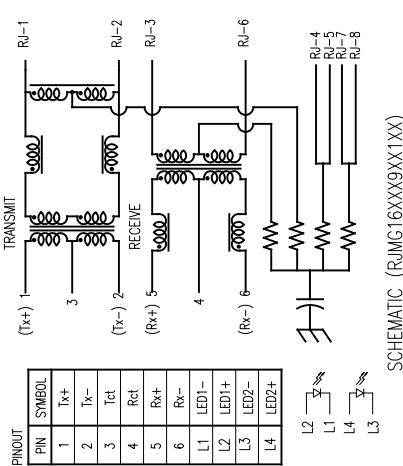
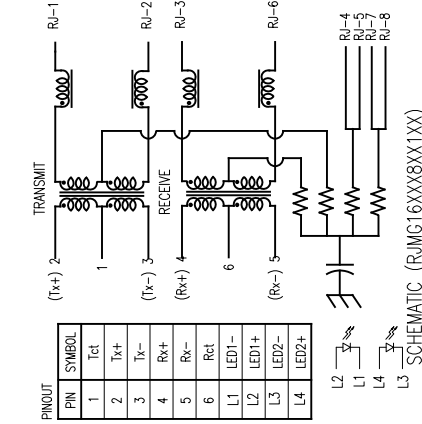
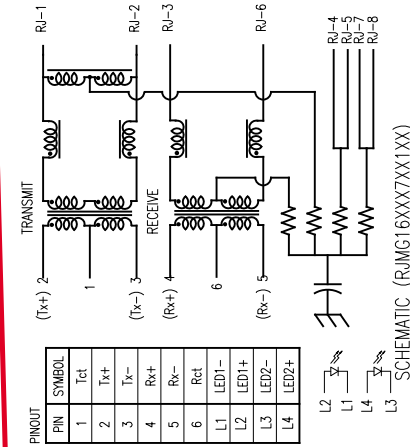
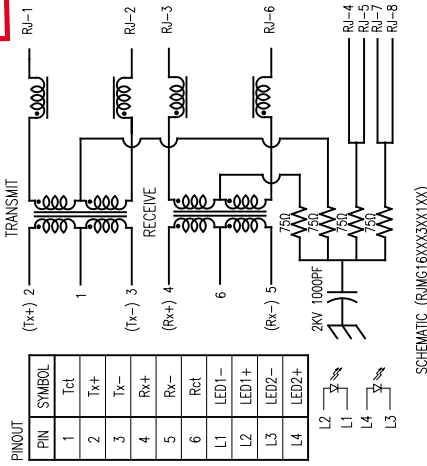
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MFG. CODE:

CUSTOMER DRAWING

PRELIMINARY RELEASE
SUBJECT TO CHANGE

SYM	ECN No.	DESCRIPTION	DATE	APPROVED
C	NE-13016	ADD THE SCHEMATIC FOR ALL OPTIONS	01/24/2013	Roger Tsai
D	NE-14155	ADD LED OPTIONS	07/29/2015	Roger Tsai
E	NE-19179	Update L1 / L2 positive and negative poles	10/25/2019	Lawrence Chan



COMPLIANCE CODE
BLANK: NONE-ROHS
R: RoHS Compliant

PLATING THICKNESS ON MATING CONTACTS AND SHIELD SPEC
L: Gold Flash, STAINLESS STEEL T=0.2MM.
M: Gold 15u in, STAINLESS STEEL T=0.2MM.
N: Gold 30u in, STAINLESS STEEL T=0.2MM.

TIA WIRING
0: STANDARD

TURNS RATIO (TRANSMIT)
1: 1:1

TOLERANCE	APPROVALS	DATE	TITLE
X. ±0.35 X.X ±0.25 X.XX ±0.15 X.XXX ±0.1	TRAVN Arvin Ye CHECKED Vivian Wen APPROVED Lawrence Chan	10/25/2019 10/25/2019 10/25/2019	SINGLE PORT RJmag CONNECTOR SHIELD, WITH R&C TERMINATION 10/100
ANGULAR ±1° UNLESS OTHERWISE SPECIFIED	CUST DWG	GT278	UNIT mm SCALE NA
			SIZE A3 SHEET 2 OF 6
			PART No: RJMG16XXXXXX1XX DWG No: RJMG16XXXXXX1XX
			REV. E

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PRELIMINARY RELEASE
 SUBJECT TO CHANGE

DRAWING

SYM	ECN No.	DESCRIPTION	DATE	APPROVED
C	NE-13016	ADD THE SCHEMATIC FOR ALL OPTIONS	01/24/2013	Roger Tsai
D	NE-14153	ADD LED OPTIONS	01/29/2015	Roger Tsai
E	NE-19179	Update L1 / L2 positive and negative poles	10/25/2019	Lawrence Chan

MFG. CODE:

TURN RATIO 1:1±5%

PARAMETER	TYPE	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/ TEST CONDITIONS
INSERTION LOSS (RX/TX)	-0.8dB TYP.	-1.0dB MAX.	1-100 MHz
RETURN LOSS (RX/TX)	-22dB TYP. -18dB TYP. -12dB TYP.	-18dB MIN. -18+20log(f/30)dB MIN. -12dB MIN.	1-30 MHz 30-60 MHz 60-80 MHz
DC RESISTANCE	0.5 ohm MIN.	1.0 ohm MAX full 0.5 ohm MAX half	DC
CM-CM REJECTION	-40dB TYP.	-30dB MIN.	0-100MHz
CM-DM REJECTION	-40dB TYP.	-35dB MIN.	0-100MHz
CROSSTALK (PAIR TO PAIR)	-38dB TYP.	-35dB MIN.	0-100MHz
HIPOT (ISOLATION)	2.25kV/1.5kVrms.	2.25kV/1.5kVrms.	60S DC/AC
OCL	500uH TYP.	350uH MIN.	100KHz 8mV DC BIAS

MATERIALS:

INSULATOR: THERMOPLASTIC POLYESTER, NYLON
 COLOR: BLACK
 FLAMMABILITY RATING UL 94V-0

CONTACTS (RJ45): PHOSPHOR BRONZE
 PLATING: SELECTIVE GOLD OVER MATING SURFACES.
 100 MICRONS TIN PLATING ON TAILS.

SHIELD: STAINLESS STEEL T=0.2MM. Pre-soldering.

DIMENSIONS MARKED WITH "*" SHALL BE MEASURED.

MECHANICAL FEATURES:

SOLDERABILITY: MIL-STD-202, METHOD 208.
 MATING/UNMATING FORCE:
 RJ PORT :MATING/UNMATING 2.1Kg MAX
 RETENTION FORCE FOR RJ PORT: 5kg FOR 1 MINUTE
 MEET FCC PART 68.500 REQUIREMENTS.

LED PERFORMANCE:

PARAMETER	SINGLE COLOUR		BICOLOUR		UNITS
	GREEN	YELLOW	GREEN	ORANGE	
FORWARD CURRENT IF MAX	30	30	30	30	mA
REVERSE CURRENT IR MAX	10	10	10	10	uA
REVERSE VOLTAGE VR MAX	-5	-5	-5	-5	V
T OPERATURE TOP	-40~+85	-40~+85	-40~+85	-40~+85	°C
T SOLDERING TURE TS	260+/-5	260+/-5	260+/-5	260+/-5	°C
POWER DISS. Pd	100	100	100	100	mW
PEAK WAVELENGTH	585	585	585	605	nM
FORWARD VOLTAGE TYP	2.5	2.1	2.2	2.0	V
FORWARD VOLTAGE MAX	2.9	2.6	2.6	2.6	V



Environmental

OPERATING TEMPERATURE: 0°C TO +70°C.
 STORAGE TEMPERATURE: -40°C TO +85°C.
 SOLDERING TEMPERATURE: 260°C FOR 10 SECONDS
 ALTITUDE OPERATING RANGE: SEA LEVEL TO 3000m
 Humidity: per MIL-STD-1344A, method 1002.1, test condition B
 Thermal Shock: per MIL-STD-1344A, method 1003.1, test condition A
 Vibration: per MIL-STD-1344A, method 2005.1, test condition J
 Mechanical Shock: per MIL-STD-1344A, method 2004.1, test condition C
 Salt Spray: 24 hours per MIL-STD-1344A, method 1001.1, test condition B

TOLERANCE	APPROVALS	DATE	TITLE
X. X.X X.XX X.XXX	DRAWN Arvin Ye CHECKED Vivian Wen APPROVED Lawrence Chan	10/25/2019 10/25/2019 10/25/2019	SINGLE PORT RJ45 CONNECTOR SHIELD, WITH R&C TERMINATION 10/100
ANGULAR ±1° UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE GT278	UNIT mm SCALE NA SIZE A3 SHEET 3 OF 6

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PART No: RJMG16XXXXXX1XX
 DWG No: RJMG16XXXXXX1XX

REV: E

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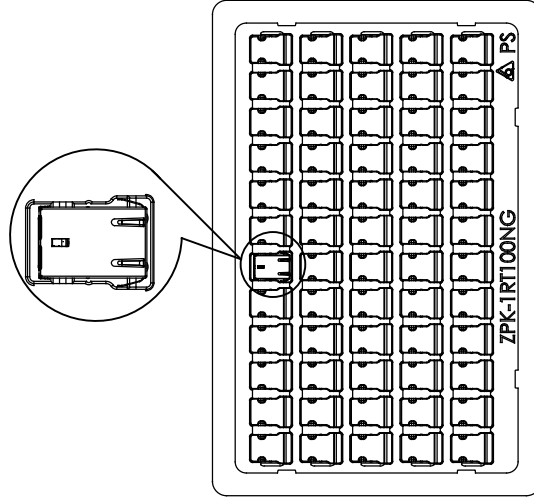
CUSTOMER DRAWING

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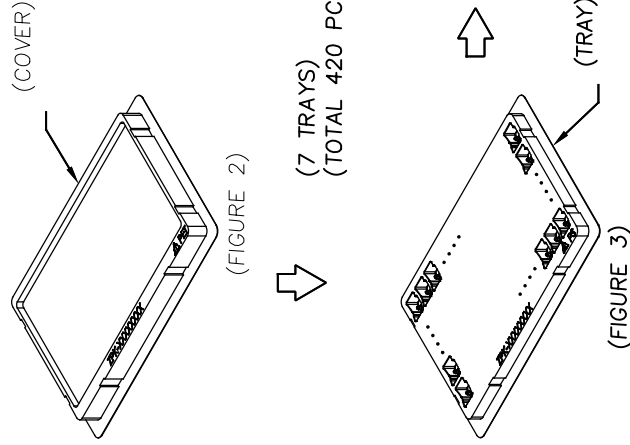
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
C	NE-13016	ADD THE SCHEMATIC FOR ALL OPTIONS	01/24/2013	Roger Tsai
D	NE-14155	ADD LED OPTIONS	01/29/2015	Roger Tsai
E	NE-19179	Update L1 / L2 positive and negative poles	10/25/2019	Lawrence Chan

- 1-1. POSITIONED COMPONENTS INTO MATCHING CAVITY OF TRAY, WITH LOGO ON TOP.(FIGURE 1)
- 1-2. 60 PCS/PER TRAY; ENSURE COMPONENTS POSITIONED AS REQUIREMENT.

- 2-1. PLACE UPPER COVER AFTER BOTTOM TRAY IS PROPERLY LOADED OF COMPLETED PRODUCTS.(FIGURE 2, 3)
- 2-2. 60 PCS/PER TRAY; ENSURE COMPONENTS POSITIONED AS REQUIREMENT.
- 2-2. EACH TRAY MUST ADD A COVER BEFORE STACK UP W/ OTHER COMPLETED PACKING TRAY. AND ORIENTATION OF PLACEMENT MUST MATCH PRODUCT SHAPE.



(FIGURE 1)



(STAPLE 4 SIDES OF PACKING TRAY OR TACK TAPE, PLEASE REFER TO LABEL STANDARD)

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±0.35 ±0.25 ±0.15	CHECKED Vivian Wen	10/25/2019				
ANGULAR ±1°	APPROVED Lawrence Chan	10/25/2019				
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE GT278	UNIT mm	SIZE A3	SHEET 4 OF 6	REV. E



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PART No: RJMG16XXXXXX1XX
DWG No: RJMG16XXXXXX1XX

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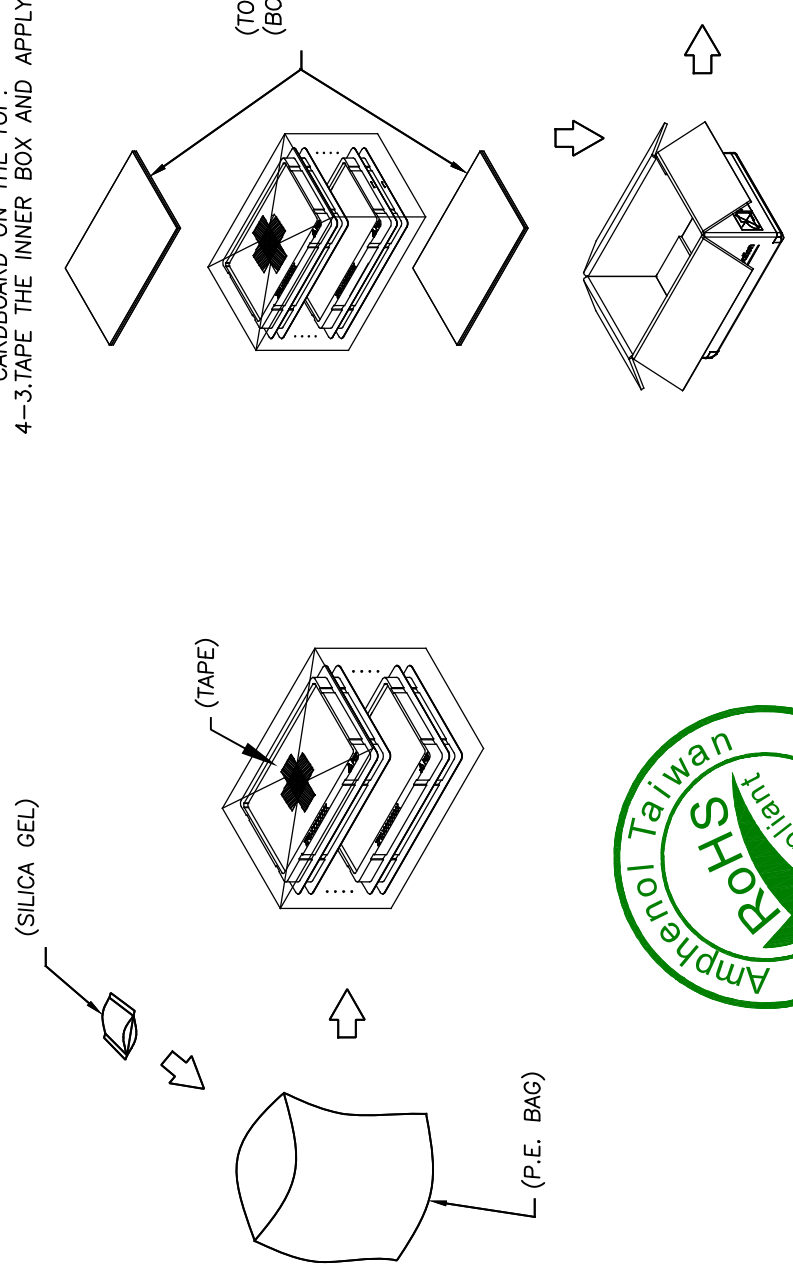
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- 3-1.AFTER STEP 2, PLACE 7 STACKED UP TRAYS INTO A P.E. BAG AND ADD A BAG OF SILICA GEL.
- 3-2.PROPERLY FOLDS THE P.E. BAG, AND FIX W/ TAPE.
- 4-1.PLACE A PCS CARDBOARD AT BOTTOM OF INNER BOX BEFORE THE COMPLETED P.E. BAG FROM 3-2.
- 4-2.PLACE 1 CORNER PIECES OF PCS AT 4 CORNERS AND 1 PCS CARDBOARD ON THE TOP.
- 4-3.TAPE THE INNER BOX AND APPLY PROPER LABELS.



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ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE GT278	UNIT mm SCALE NA SIZE A3
UNLESS OTHERWISE SPECIFIED			SHEET 5 OF 6

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PART No: RJMGT16XXXXXX1XX
DWG No: RJMGT16XXXXXX1XX

REV. E

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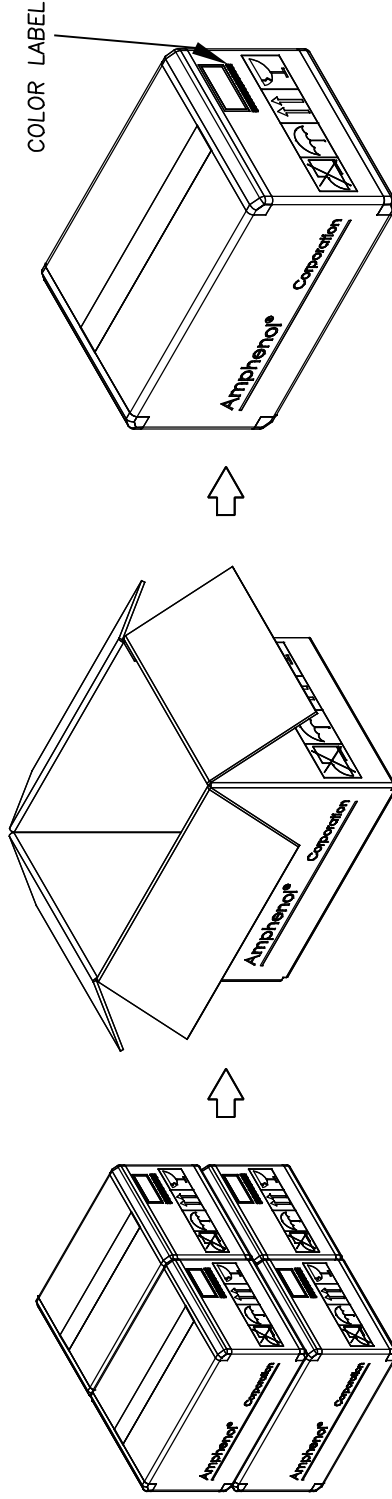
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- 5-1-MAKE 4 COMPLETED INNER BOXES AS A SET IN AN OUTER BOX.
- 5-2-TAPE THE OUTER BOX AND APPLY LABELS OF P/N, QUANTITY, AND PACKING DATE.

- 6. PLEASE REFER TO ISD-ISPZPK6 AND LABEL STANDARD FOR OTHER RELATED ITEMS.



DIMENSION OF OUTER BOX
=L : 525mm , W : 400mm , H : 447mm

DIMENSION OF INNER BOX
=L : 375mm , W : 250mm , H : 205mm



PRODUCT		TRAY PER PRIMARY CARTON	PCS PER TRAY	PCS PER PRIMARY CARTON	PCS PER MASTER CARTON
P/N	PORTS				
RJMG16XXXXXX1XX	RJ45 1X1	7	60	420	1680

TOLERANCE	APPROVALS	DATE	TITLE
X. ±0.35	DRAWN Arvin Ye	10/25/2019	SINGLE PORT RJmag CONNECTOR SHIELD, WITH R&C TERMINATION
X.X ±0.25	CHECKED Vivian Wen	10/25/2019	10/100
X.XXX ±0.15	APPROVED Lawrence Chan	10/25/2019	
ANGULAR ±1°	DWG TYPE CUST DWG		
UNLESS OTHERWISE SPECIFIED			

UNIT	SCALE	SHEET	REV.
mm	NA	6 OF 6	
SIZE	A3		
PART No.	RJMG16XXXXXX1XX		
DWG No.	RJMG16XXXXXX1XX		

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