

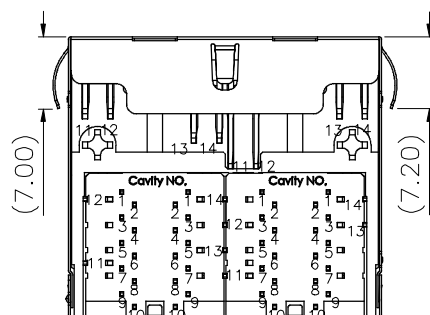
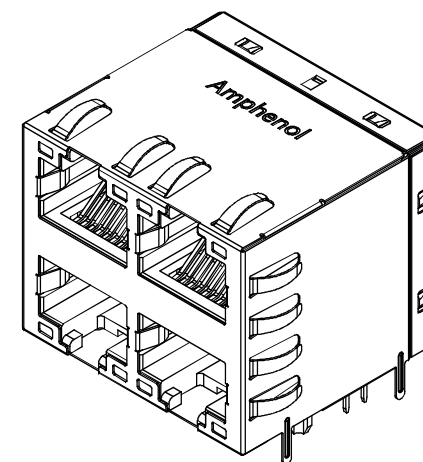
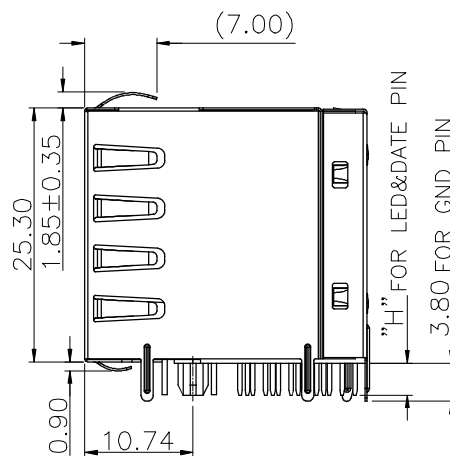
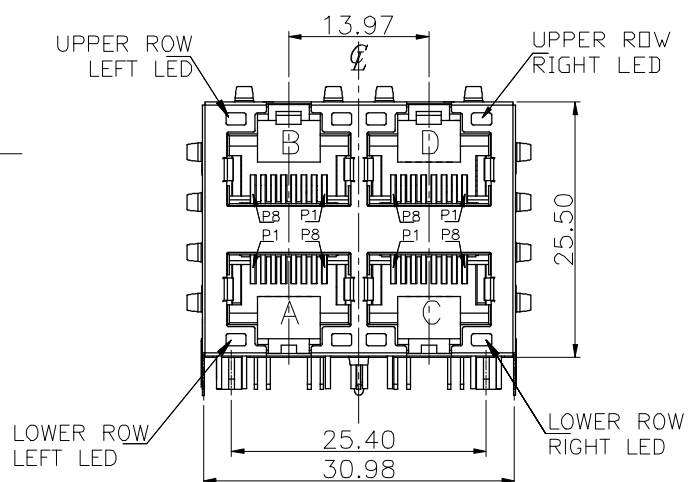
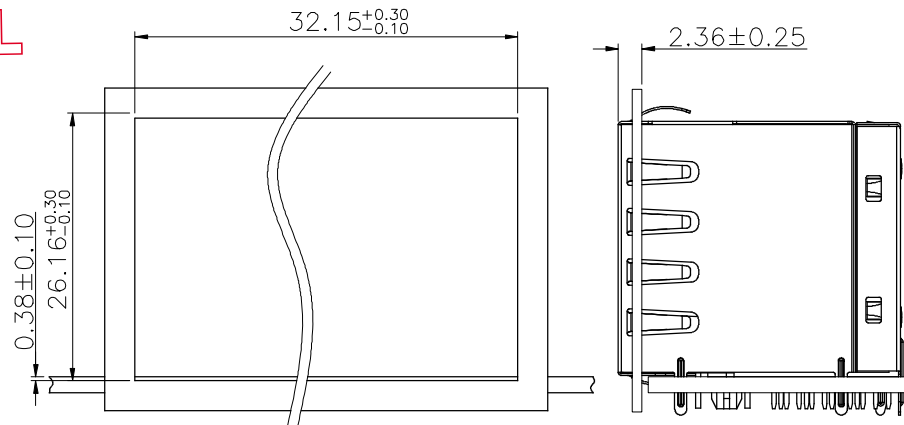
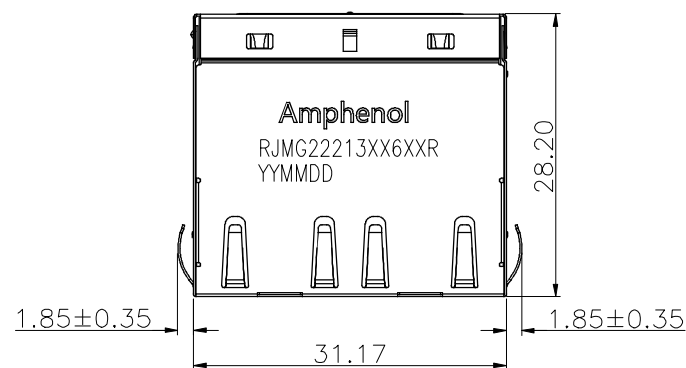
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CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A	NE-15124	Initial Release	10/21/2015	Roger Tsai

ORIGINAL



TOLERANCE		APPROVALS		DATE		TITLE		Amphenol®	
X.		DRAWN		Jophy Li		10/21/2015		Amphenol Corporation	
X.X		CHECKED		Vivian Wen		10/21/2015		Amphenol Taiwan Corporation	
X.XX		APPROVED		Roger Tsai		10/21/2015		PART No.	
X.XXX		DWG TYPE		CUST DWG		PROJECT CODE		RJMG22213XX6XXR	
ANGULAR		UNLESS OTHERWISE SPECIFIED		GT502-B		UNIT		mm	
						SCALE		NA	
						SIZE		A3	
						SHEET		1 OF 5	
						DWG No.		RJMG22213XX6XXR	
						REV.		A	

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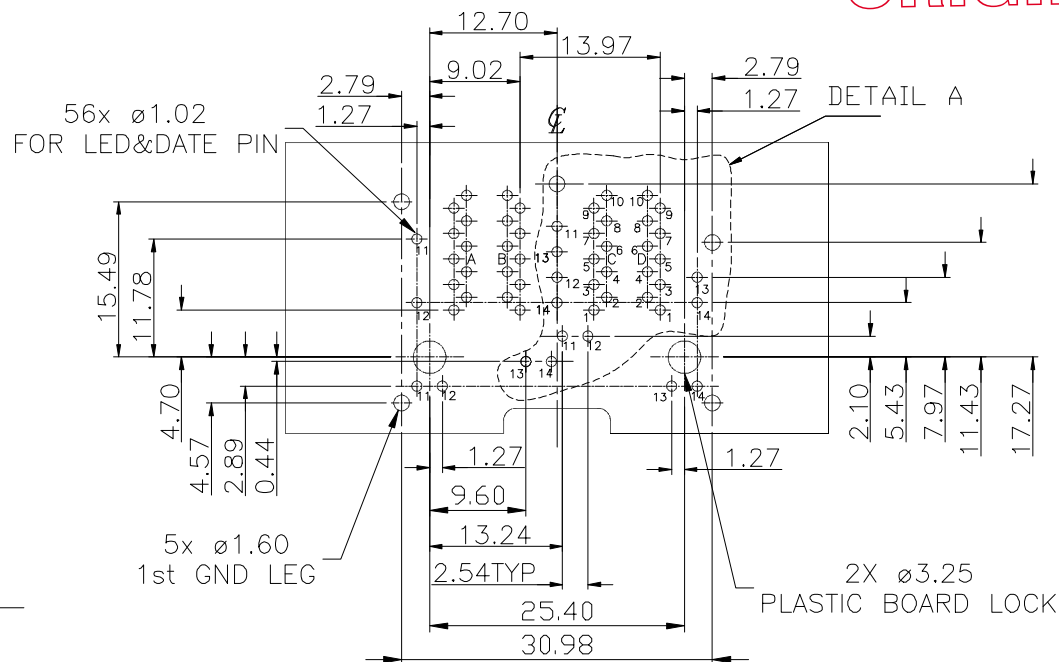
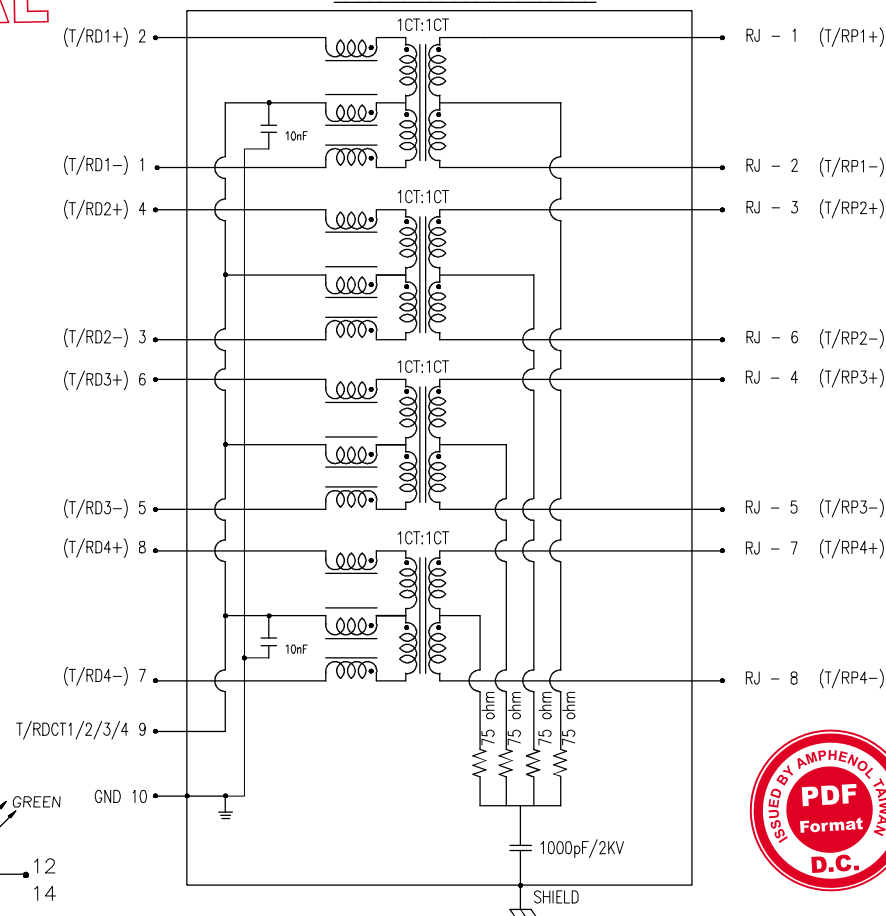
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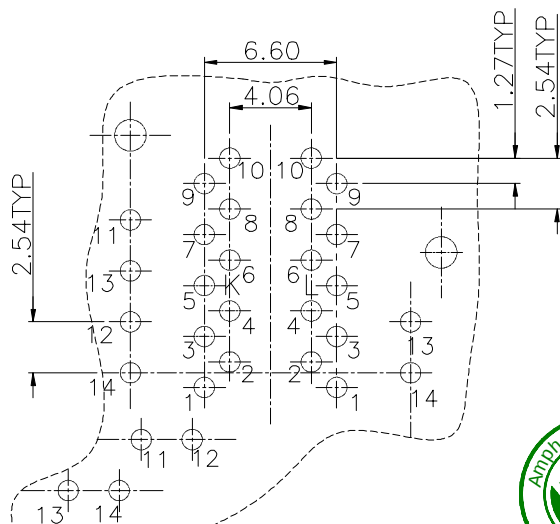
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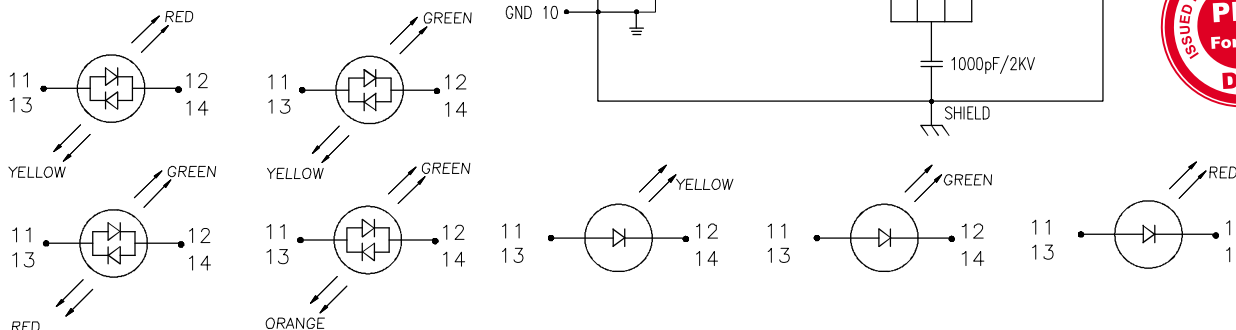
SCHEMATIC DRAWING TYPE 2



RECOMMENDED PCB LAYOUT COMPONENT SIDE
ALL DIMENSION TOLERANCE ARE ± 0.08 UNLESS OTHERWISE SPECIFIED



DETAIL A
SCALE 2:1



TOLERANCE	APPROVALS	DATE	TITLE		UNIT		SIZE	PART No.	
X. X.X X.XX X.XXX	DRAWN Jophy Li	10/21/2015	RJMG222X SERIES 2X2 1000 Base-T SERIES with LED		mm		A3	RJMG22213XX6XXR	
ANGULAR $\pm 1^\circ$	CHECKED Vivian Wen	10/21/2015			NA		SHEET 2 OF 5	RJMG22213XX6XXR	
UNLESS OTHERWISE SPECIFIED	APPROVED Roger Tsai	10/21/2015			DWG TYPE CUST DWG		DWG No.	REV. A	

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ELECTRICAL SPECIFICATION(@25° C)

LED PERFORMANCE

PARAMETER	SINGLE COLOUR		BICOLOUR		UNITS
	YELLOW	GREEN	GREEN	ORANGE	
FORWARD CURRENT IF MAX	30		30		mA
REVERSE CURRENT IR MAX	10		10		uA
REVERSE VOLTAGE VR MAX	-5		-5		V
T OPERATURE TOP	-20~+80		-20~+80		℃
T SOLDERINGTURE TS	260+/-5		260+/-5		℃
POWER DISS. Pd	75		75		mW
INTENSITY IV MIN	28		18	45	MCD
PEAK WAVELENTH	585	574	574	611	nM
FORWARD VOLTAGE TYP	2.1		2.0	2.0	V
FORWARD VOLTAGE MAX	2.4		2.4	2.4	V

CONNECTOR PERFORMANCE

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/TEST CONDITIONS
INSERTION LOSS (RX/TX)	-1.0dB MAX. -1.2dB MAX.	0.1-100 MHz 100-125 MHz
RETURN LOSS (RX/TX)	-18dB MIN. -16dB MIN. -12dB MIN. -10dB MIN.	1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
CM-CM REJECTION	-30dB MIN.	1MHz-100MHz
CROSSTALK ISOLATION(RX/TX)	-30dB MIN.	1MHz-100MHz
HIPOT (ISOLATION)	1.5kVrms MIN.	60S
OCL	350uH MIN.	100KHz 100mV 8mA
TURN RATIO	1:1±5%	



TOLERANCE	APPROVALS	DATE	TITLE RJMG222X SERIES 2X2 1000 Base-T SERIES with LED		Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15	DRAWN Jophy Li	10/21/2015						
ANGULAR ±1°	CHECKED Vivian Wen	10/21/2015			PART No. RJMG22213XX6XXR			
UNLESS OTHERWISE SPECIFIED	APPROVED Roger Tsai	10/21/2015			DWG No. RJMG22213XX6XXR			
	DWG TYPE CUST DWG	PROJECT CODE GT502-B	UNIT mm	SIZE A3	SHEET 3 OF 5	REV. A		

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RJMG22213 X X 6 X X R

ORIGINAL

RIGHT LED CODE

LEFT LED CODE

0: No LED's Blocked Hole
1: Green
2: Yellow
3: Red
4: Bi-color Green/ Yellow
5: Bi-color Red/Green
6: Bi-color Green/Orange
7: Bi-color Red/Yellow

Plating and Packaging:

C: gold flash, Stainless steel shield, tray
D: gold 15 μ ", Stainless steel shield, tray
E: gold 30 μ ", Stainless steel shield, tray
F: gold 50 μ ", Stainless steel shield, tray

THE "H" FOR LED&DATE PIN LENGTH OPTION

L: H=2.54mm
M: H=3.05mm
N: H=3.18mm
P: H=3.81mm
Q: H=4.10mm

MATERIALS:

1. Terminal Parts:

1.1. RJ Output Terminal : Phosphor Bronze, Thickness=0.30mm

Finish: Selective gold plating on contact area

1.2. RJ input Terminal : Brass, Thickness=0.35mm

Finish: 100 μ " min. tin over 50~100 μ " Nickel.

2. Plastic Parts:

High temperature Thermoplastic, Black, UL94V-0.

3. Shell Parts:

Shell: Stainless, Thickness=0.20mm,

OTHERS:

1. Operating Temperature : 0°C TO +70°C

2. Storage Temperature : -40°C TO +85°C

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 , SUBPART F

Grounding Leg : Pre-soldering

4. Product specification refer to PS-R933

5. TEST summary refer to: TS-R933



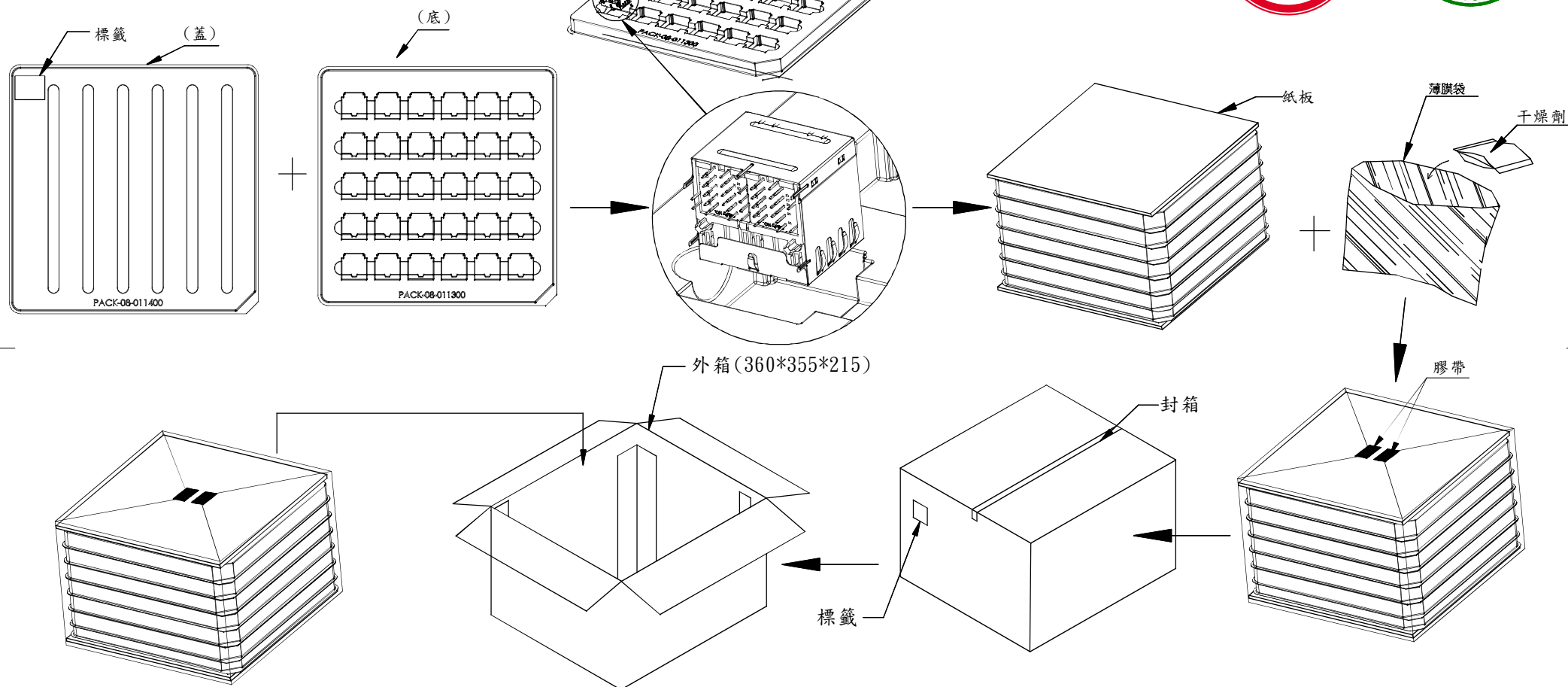
TOLERANCE		APPROVALS		DATE		TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation									
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15	ANGULAR ±1°	DRAWN	Jophy Li	10/21/2015		RJMG222X SERIES 2X2 1000 Base-T SERIES with LED												
		CHECKED	Vivian Wen	10/21/2015														
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UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE				UNIT	mm	SIZE	A3	PART No.	RJMG22213XX6XXR					
								SCALE	NA	SHEET	4 OF 5	DWG No.	RJMG22213XX6XXR					
														REV.		A		

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UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG	PROJECT CODE GT502-B			SCALE NA	SHEET 5 OF 5	DWG No. RJMG22213XX6XXR	REV. A		