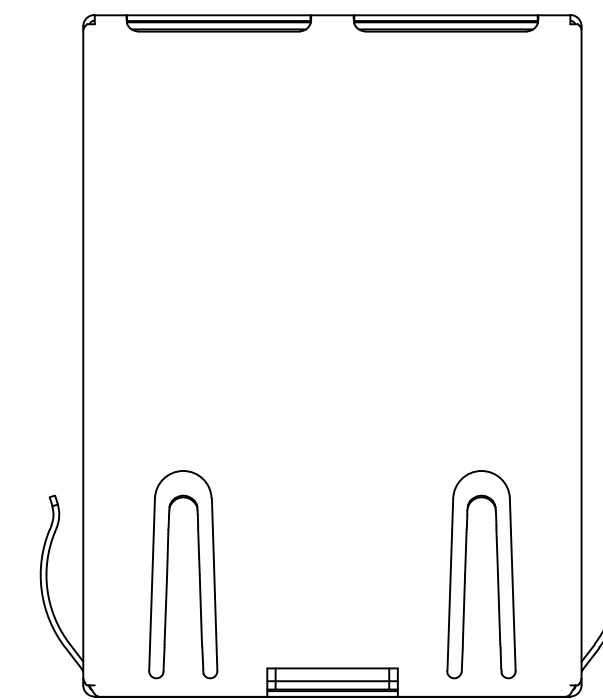
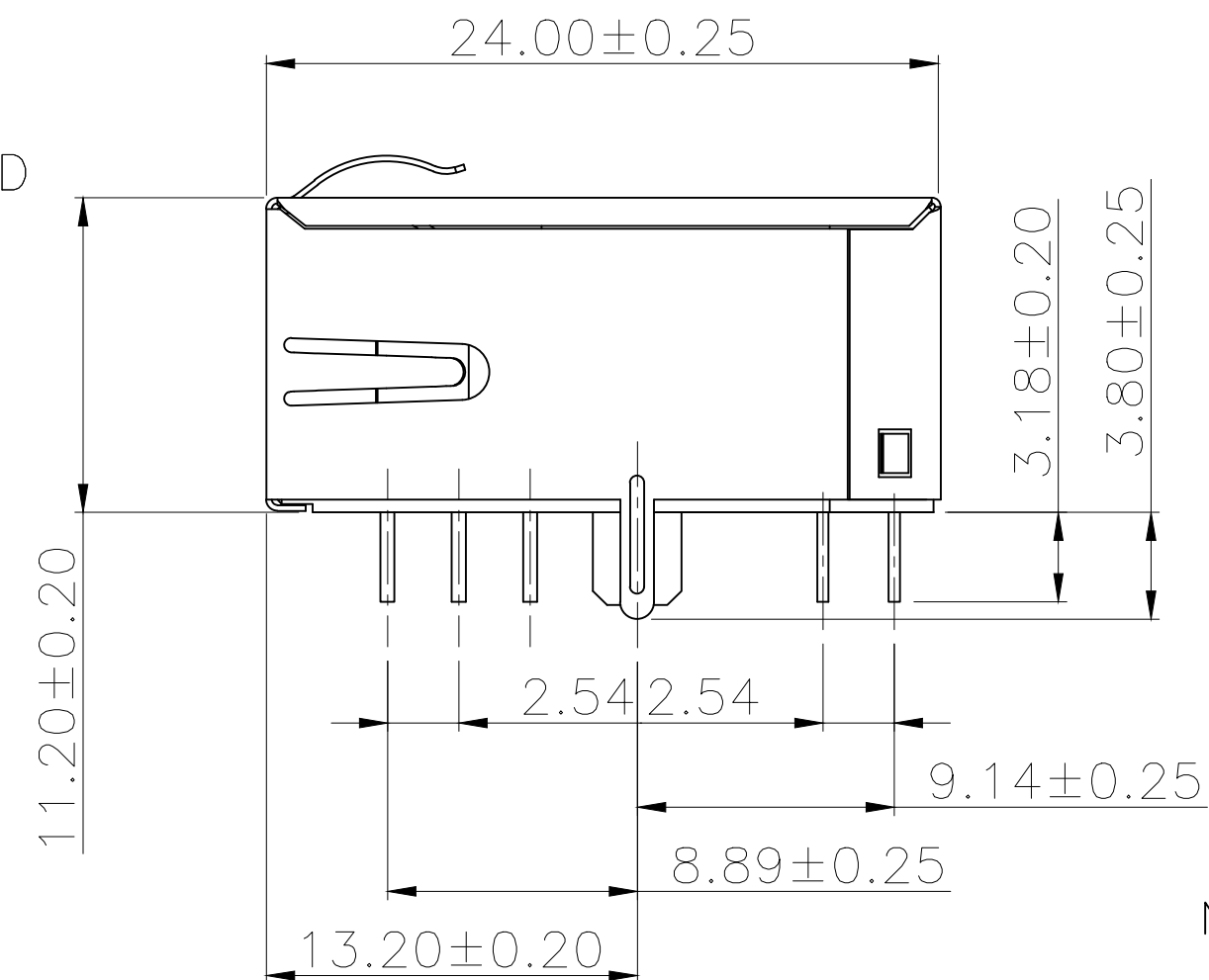
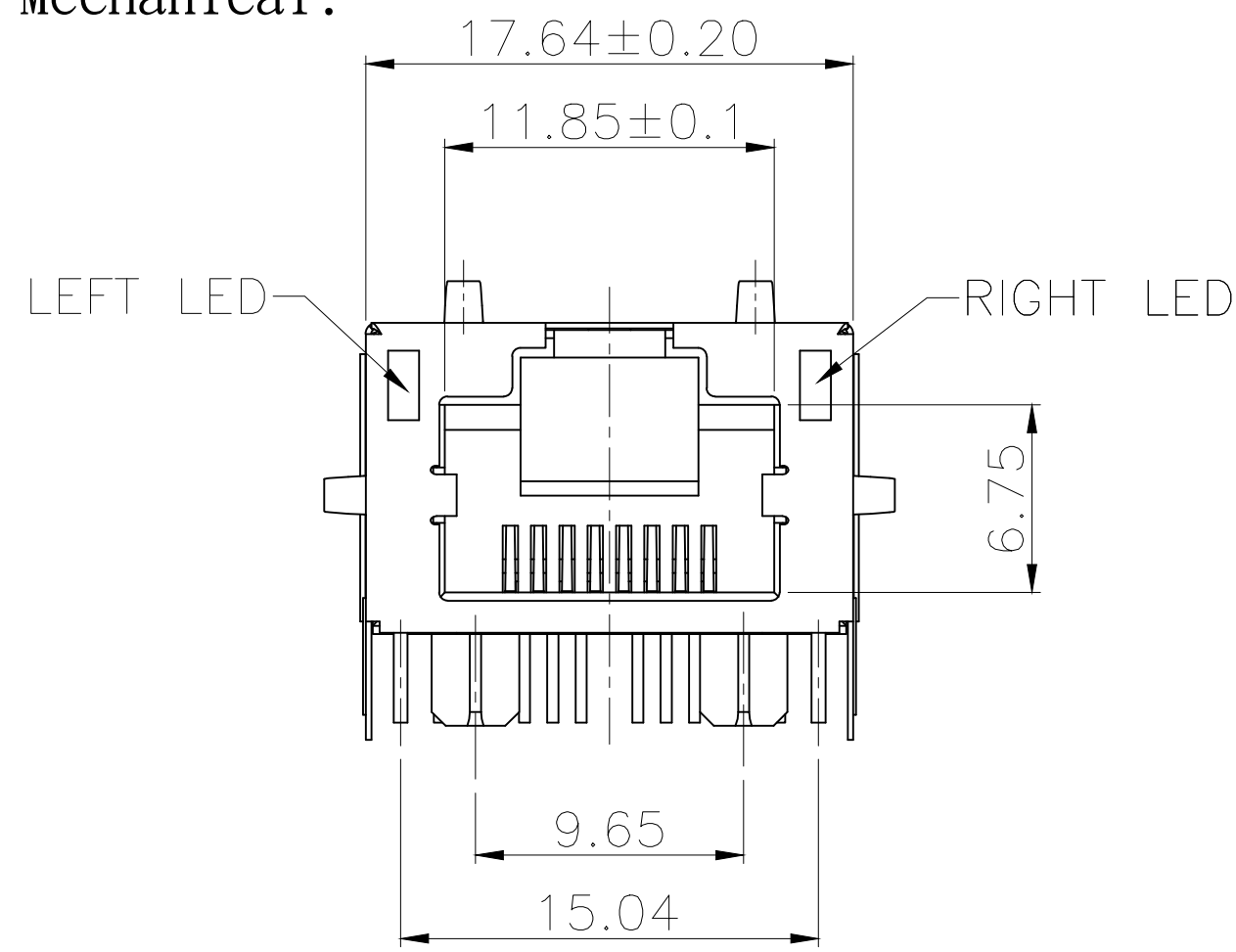


RoHS Compliant

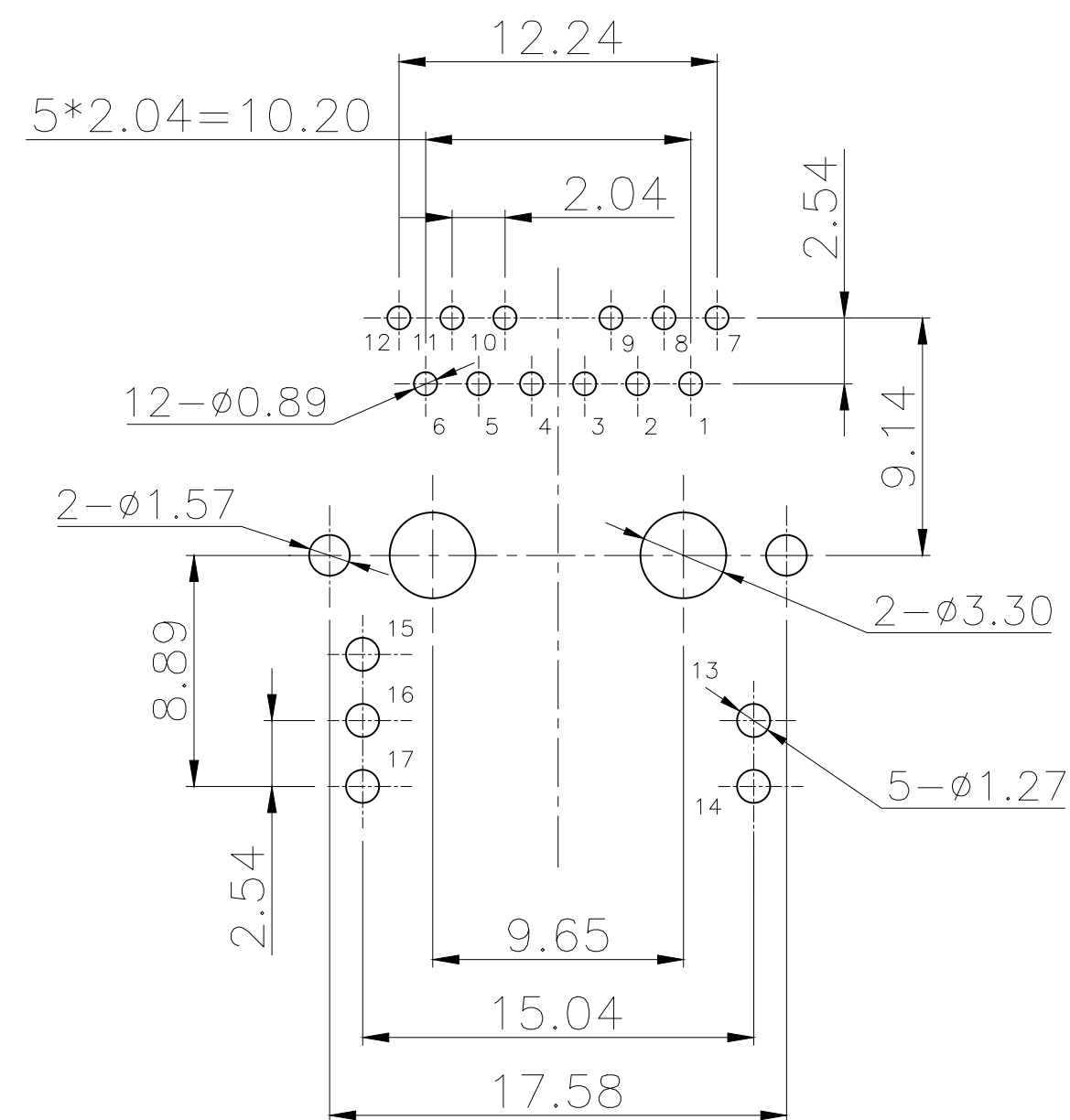
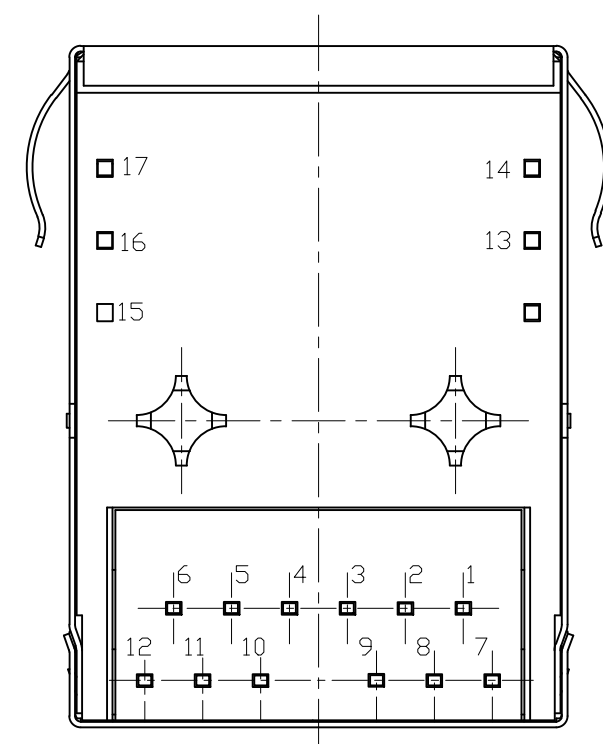
Mechanical:



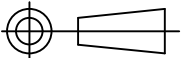
TOP VIEW

NOTE:

1. Shielded - 0.20mm THICKNESS SUS201.
PLATING NICKEL 20u"Min.
2. Housing- Standard Material PA46, Glass Filled
Polyester UL94V-0 Standard Color Black.
3. RJ Terminal- Plastic: PA46, UL94V-0, Standard Color Black.
Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
Plating: Nickel 40u"~60u" for all and Sn 100%
and Gold Plating.
4. Input Terminal- PA46, Glass Filled, UL94V-0,
Standard Color Black.
Pin: 0.35mm SUS430.
Plating: Nickel 40u"~60u" for all and Sn 100%.



RECOMMENDED PCB LAYOUT
COMPONENT SIDE
ALL DIMENSION TOLERANCE ARE $\pm 0.05\text{mm}$

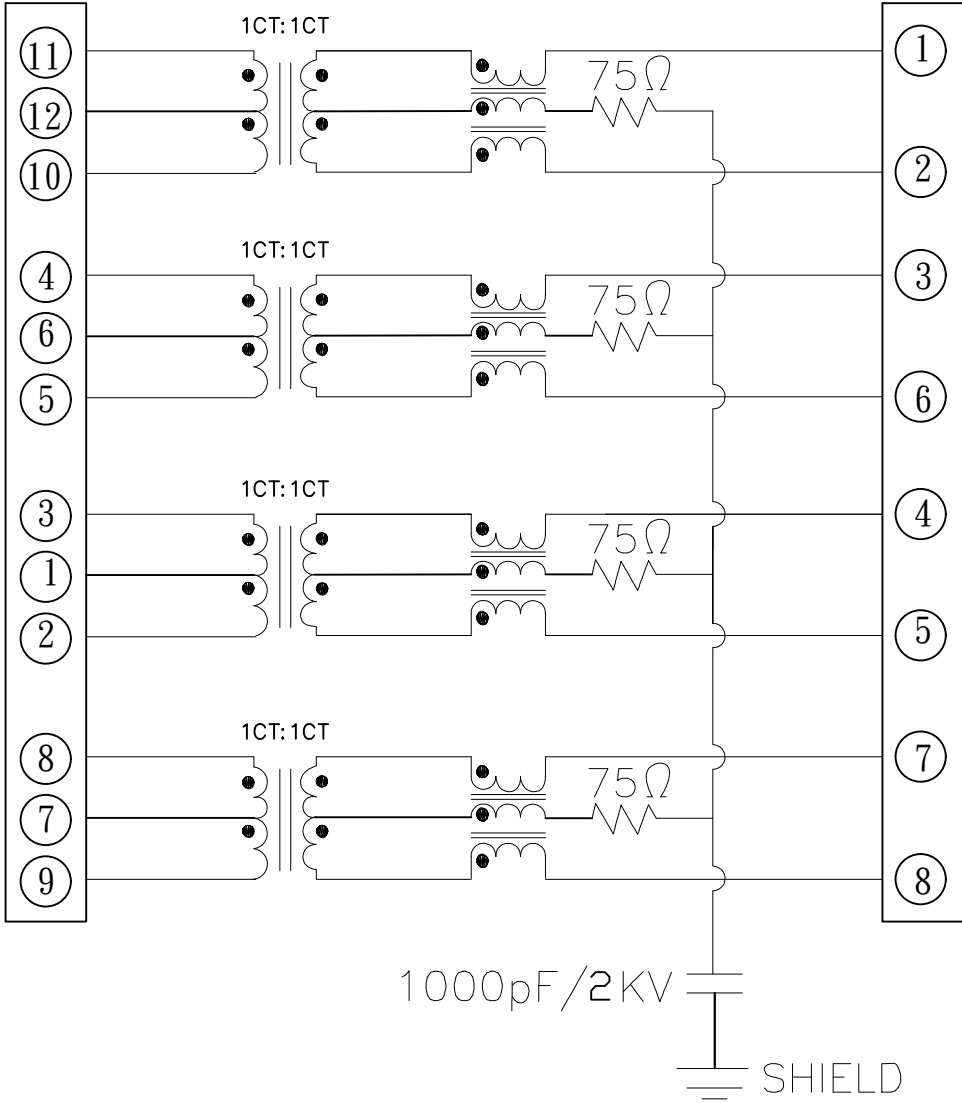
QC Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X ± 0.38	X, ° ± 2.0°	RJ45 1X1 Giga Base-T tab up			
	.XX ± 0.20	.X ° ± 1.0°	DRAWING NUMBER			
	.XXX ± 0.10		421G84JPR23			
APPROVE Corey 2019,12,03	CHECK Oliver 2019,12,03	DRAW KONGLEI 2019,12,03	PROJ.		SHEET X OF Y	
			SCALE	RATIO	SIZE	A3
					REV	A

RoHS Compliant

Schematic:

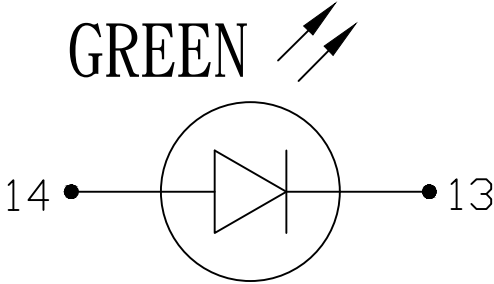
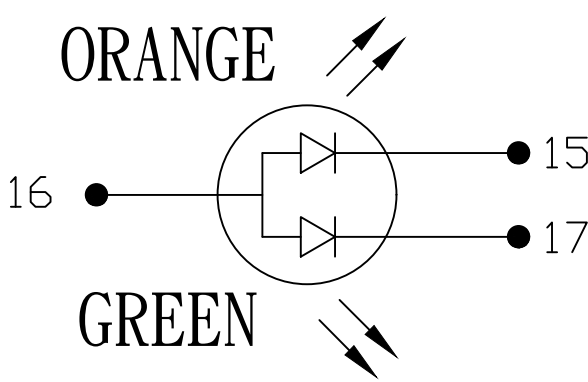
Type G84

PCB SIDE



CABLE SIDE

LED POLARITY :



Code	RJ45 Plating				LED Code			
	Contact area	Solder tail	Under plating		Left LED		Right LED	
F	3u" gold	100u" Tin Min.	40u" Nickel Min.	2	+16, -15	+16, -17	+13, -14	-13, +14
1	6u" gold			0	Orange	Green	-	Green
2	15u" gold				-	-	-	-
3	30u" gold							
4	50u" gold							

Part Number:

XXX XXX XX X X X
① ② ③ ④ ⑤ ⑥
① Series No.
② Transformer Type.
③ Shield Type.
④ R-Standard operation temp. (0°C to +70°C)
H=Industrial operation temp. (-40°C to +85°C)
⑤ LED Code:See left table.
⑥ RJ45 Plating

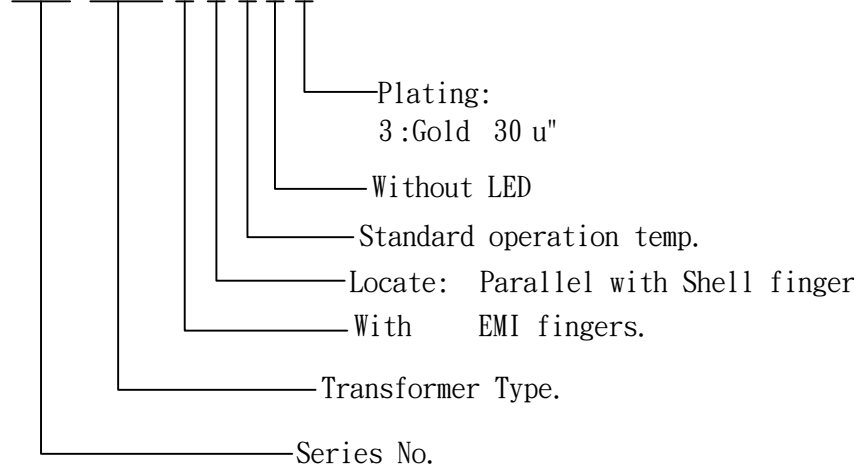
REV	MODIFICATION	DATE	DRAW	APPROVE

PART NO.	Electrical Specifications @25°C								
Part Number	Turns Ratio (±2%)		DCL (uH Min.) @100 KHz/0.1V with 8mA DC Bias	Cross talk (dB Min.)				Hi-POT 1.0 mA (V)	
	TX	RX		0.5-10 MHz	30 MHz	50 MHz	100 MHz	WITHOUT CAPACITARCE	WITH CAPACITARCE
421G84JPRZ3	1CT:1CT	1CT:1CT	350	-50	-40	-35	-30	1500 AC	2250 DC

PART NO.	Continue							
Part Number	Insertion Loss (dB Max.)		Return Loss (dB Min.) @ Load 100 OHM					CMR (dB Min.)
	1-100 MHz	100-125 MHz (10/100/1000)	1-30 MHz	30-50 MHz	60 MHz	60-80 MHz	80-100 MHz (10/100/1000)	1-100 MHz
421G84JPRZ3	-1.0	-1.2	-18	-16	-14	-12	-10	-30

Part Number:

421G84JPR23



QC Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38		X.°± 2.0°			
	.XX± 0.20		.X°± 1.0°			
	.XXX± 0.10					
APPROVE	CHECK		DRAW		PROJ.	
WP	Oliver		KONGLEI		SHEET X OF Y	
2019,12,03	2019,12,03		2019,12,03		SCALE RATIO	
					SIZE A3	
					REV A	