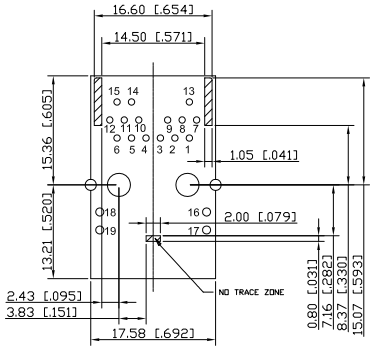
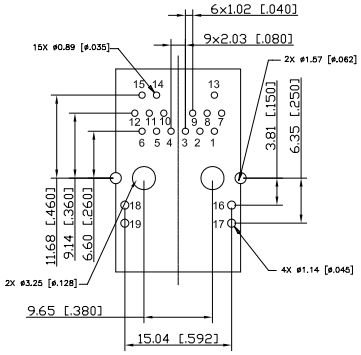
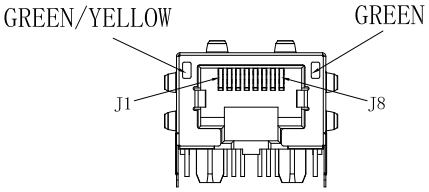
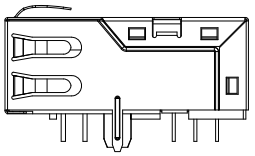


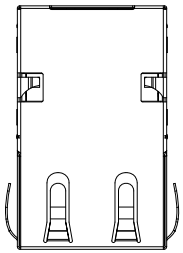


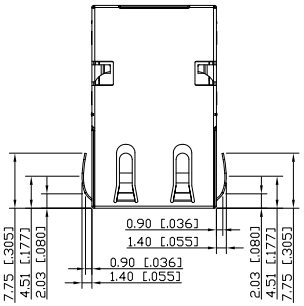


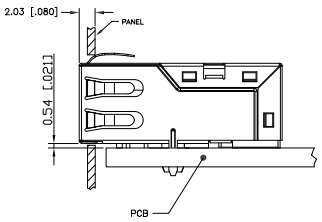
FINAL OUTLINE

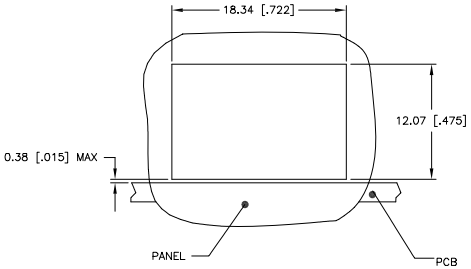


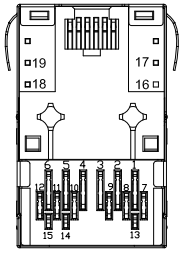
RECOMMENDED PCB LAYOUT
(VIEWED FROM COMPERNENT SIDE)

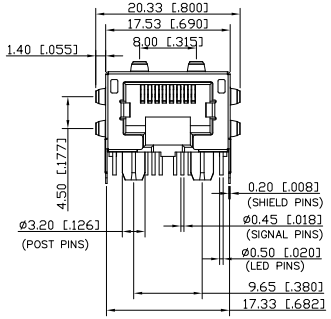


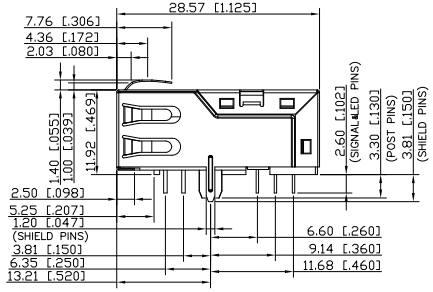












A	16.7.2018
REV	DATE

.X ± 0.30	APPROVED: Chris	REGO® http://www.rego.com.tw	
.XX ± 0.20	CHECKED: Denny		
.XXX± 0.15	DRAWN: Bryan	TITLE: RJ45 With Transformer(10G BASE T) Tab Down & Low Profile Single Port)	
X° ± 3°	UNITS: mm	SCALE: NONE	PART NO: KJ1018S-460
			SHEET: 1 OF 2

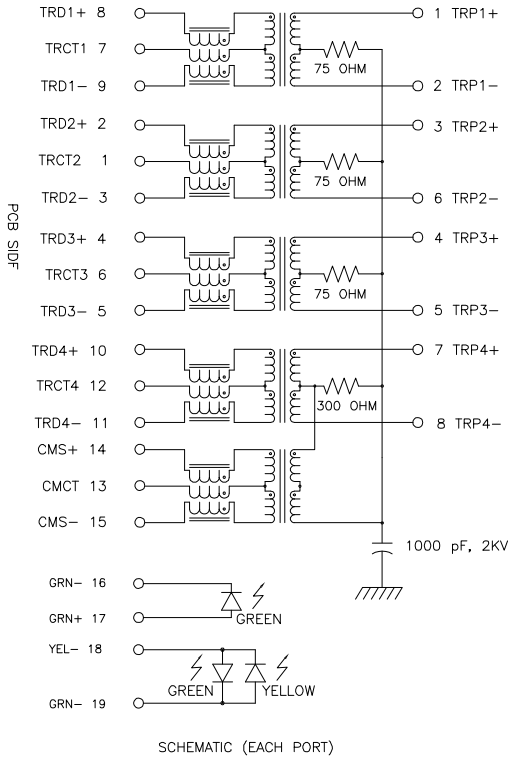
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATIONS			
OPERATING TEMP	0°C TO +70°C			
TURNS RATIO	1.00 ± 2%			
POLARITY	PER SCHEMATIC			
INSERTION LOSS (DATA CHANNELS)	100 KHz	1–400 MHz		
	−3.0 dB MAX	−2.0 dB MAX (−1.4 dB TYP)		
INSERTION LOSS (CM SENSE CHANNELS)	3–500 MHz			
	−5.0 dB MAX (−4 dB TYP)			
RETURN LOSS (Z OUT = 100 OHM ± 1%)	1–100 MHz	100 MHz–500 MHz		
	−22 dB MIN	−22 + 18.27*LOG (f/100)		
INDUCTANCE (OCL)	180 uH MIN @ 100 kHz, 100 mV			
CROSSTALK, ADJACENT CHANNELS	1–100 MHz	100–500 MHz		
	−28 dB MIN	−19 dB MIN		
COMMON MODE REJECTION RATIO	1–100 MHz	100–300 MHz	300–500 MHz	
	−35 dB MIN	−30 dB MIN	−25 dB MIN	
COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)	1–250 MHz	250–500 MHz		
	−30 dB MIN	−22 dB MIN		
INPUT – OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS			

NOTE: f IS FREQUENCY IN MHz.

EMMITTED COLOR	GREEN	YELLOW
WAVELENGTH (nm)	570 nM	590 nM
BRIGTHNESS (mCD)	8 TO 12TYP @ 20mA	8 TO 12TYP @ 10mA
VIEWING ANGLE	100°	100°
POWER DISSIPATION (Pd)	85 mW MAX	85 mW MAX
DC FORWARD CURRENT	150 mA MAX	150 mA MAX
REVERSE VOLTAGE (Vr)	5.0 V MAX	5.0 V MAX

NOTE: PER VENDOR'S SPECIFICATIONS



SCHEMATIC (EACH PORT)

NOTES: UNLESS OTHERWISE SPECIFIED

1. ELECTRICAL CHARACTERISTICS:
   1-1. CURRENT RATING: 0.1 AMPERES MAXIMUM
   1-2. VOLTAGE RATING: 48 VDC MAXIMUM
   1-3. INSULATION RESISTANCE: 500 MEGAOHMS MINIMUM
   1-4. DIELECTRIC WITHSTANDING VOLTAGE: 2250 VDC CONTACT TO SHIELD

2. MECHANICAL
   2-1. MATING FORCE: 5 POUNDS MAXIMUM WITH LATCH
   DEPRESSEDAT AN ADVANTAGEOUS ANGLE
   UNMATING FORCE: 5 POUNDS MAXIMUM WITH LATCH
   DEPRESSEDAT AN ADVANTAGEOUS ANGLE
   PLUG RETENTION FORCE: 10 POUNDS MINIMUM
   2-2. DURABILITY (MATING/UNMATING): 750CYCLES
   2-3. INSERTION FORCE OF PCB RETENTION POSTS: 15 POUNDS MAX
   2-4. OPERATING TEMPERATURE RANGE: 0 TO +70°C
   2-5. STORAGE TEMPERATURE RANGE: -40 TO +85°C
   2-6. SOLDER CONDITION: WAVE SOLDER 265±5°C FOR 10 SECONDS MAX

3. MATERIAL
   3-1. HOUSING: THERMOPLASTIC UL 94V-0. LCP, BLACK,HALOGEN FREE
   Br<1000ppm; Cl<1000ppm; Cl+Br<1500ppm
   3-2. CONTACT BASE MATERIAL: PHOSPHOR BRONZE
   3-3. CONTACT UNDERPLATE: 50-90 MICROINCHES DUCTILE NICKEL
   3-4. CONTACT PLATING: GOLD,50 MICROINCHS MIN IN CONTACT AREA
   3-5. CONTACT STRUCTURE: SECONDARY BEND
   3-6. SOLDER TAIL PLATING MATERIAL: 100-200 MICROINCHS MATTE TIN MIN
   OVER 50 MICROINCHS NICKEL, MATTE FINISH
   3-7. METAL SHIELD: 50-100 MICROINCHES NICKEL PLATING ON COPPER ALLOY
   3-8. SHIELD PIN: SOLDER WITH MATTE TIN

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

5. PCB PLATING: EG (TOP PCB)
   ENIG (BOTTOM PCB)

6. JEDEC MOISTURE: LEVEL 1.

7. REVISION: MX1,MX2, ... ARE PRELIMINARY.

REV	DATE
A	16.7.2018

.X ± 0.30	APPROVED: Chris	REGO® http://www.rego.com.tw
.XX ± 0.20	CHECKED: Denny	
.XXX± 0.15	DRAWN: Bryan	TITLE: RJ45 With Transformer(10G BASE T) Tab Down & Low Profile Single Port)
X° ± 3°	UNITS: mm	SCALE: NONE
		PART NO: KJ1018S-460
		SHEET: 2 OF 2