



RECOMMENDED PCB LAYOUT  
TOP VIEW : TOL.±0.05  
(PCB THICKNESS=1.20mm)

SPECIFICATIONS:

- ELECTRICAL CHARACTERISTICS:
  - CURRENT RATING: 0.5A MAX.
  - VOLTAGE RATING: 150V MAX.
  - CONTACT RESISTANCE: 50mΩ MAX.(INITIAL), 100mΩ MAX.(AFTER LIFE TEST).
  - INSULATION RESISTANCE: 100MΩ MIN.
- MECHANICAL CHARACTERISTICS:
  - DURABILITY: 5000 CYCLES.
  - INSERTION FORCE: 2.25kg MAX. WITH LATCH DEPRESSED.
  - WITHDRAWAL FORCE: 4.5kg MAX. WITH LATCH DEPRESSED.
  - OPERATING TEMPERATURE: -30°C ~ +70°C.
- MARKING: MARK "S" INSIDE OF THE CONNECTOR.
- PACKAGING : TAPE & REEL.
- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- HALOGEN FREE PRODUCT IDENTIFICATION
- HALOGEN FREE PRODUCT IDENTIFICATION LOGO
- ON THE PACKAGING:
  - MARK ON PRODUCT: ○
  - ON THE PACKAGING: ○
- Resistance to solder heat(IR reflow):260C, 5sec
- PRINTED DATE CODE" YY MM DD " ON TOP OF THE CONNECTOR.



NODE	COLOR	Wavelength
12(-) 11(+)	YELLOW	585~597 (nm)
10(-) 9(+)	GREEN	565~574 (nm)
10(+)	ORANGE	600~612 (nm)

RJ45 JACK Pin Define		PIN NO.
10/1000 Base	1000 Base	PIN 1
TX_DA+	TX_DA+	PIN 2
TX_DA-	TX_DA-	PIN 3
TX_DB+	TX_DB+	PIN 4
N/C	BL_DC+	PIN 5
N/C	BL_DC-	PIN 6
RX_DB-	RX_DB-	PIN 7
N/C	BL_DD+	PIN 8
N/C	BL_DD-	PIN 8

E	LED	1	GREEN	585~597 (nm)	565~574 (nm)	600~612 (nm)	585~597 (nm)	565~574 (nm)	600~612 (nm)
D	SHELL	1	YELLOW	STEEL	PHOSPHOR BRONZE	HIGH TEMP.THERMOPLASTIC	BLACK	PLATING & COLOR	ALL OVER Ni 50μ"MIN.
C	BSPC CONTACT	8	150" Au ON CONTACT AREA: Motte Sn 120μ" ON SOLDER TAIL: ALL OVER Ni 50μ"MIN.						
B	NO. DESCRIPTION	1							
A	DESCRIPTION	1							

NO.	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
1	LED	1	GREEN	585~597 (nm)
1	SHELL	1	YELLOW	STEEL
8	BSPC CONTACT	8	PHOSPHOR BRONZE	HIGH TEMP.THERMOPLASTIC
1	NO. DESCRIPTION	1		

Singatron Enterprise Co., Ltd.  
信亨企業股份有限公司

DECIMALS:	ANGLES:
X: ±0.50	X: ±2°
X.X: ±0.30	X.X: ±1°
X.XX: ±0.20	

TITLE	RJ45 JACK
DWN	shihang PART NO. 2R3029-178411F
CHKD	ALEN SCALE 4:1 UNIT: mm
APVD	BOYE SIZE: A3 SHEET: 1 / 1 REV: A
CUSTOMER COPY	

