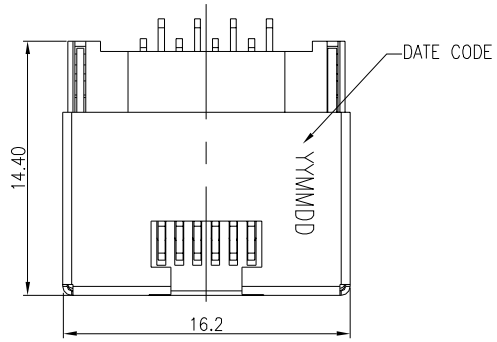
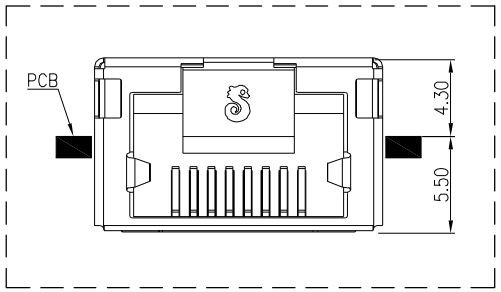
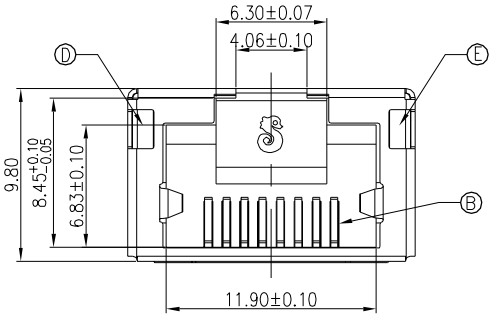
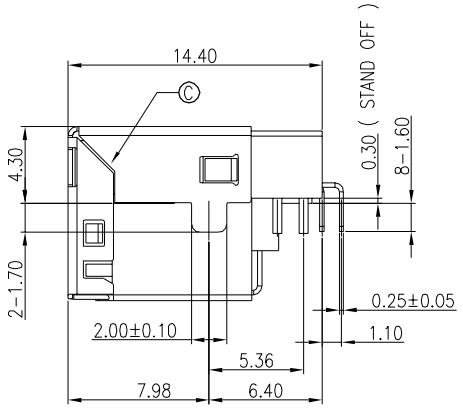
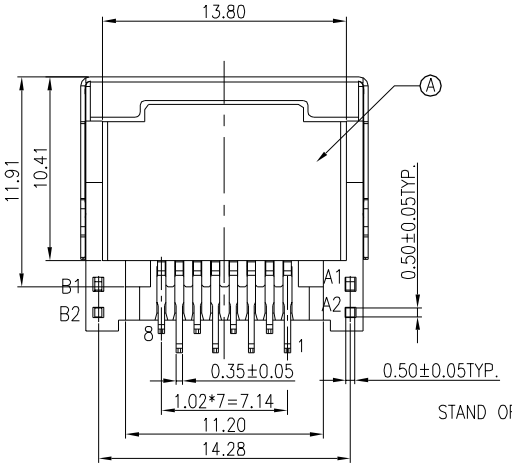
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO.S160425-4A	ALLEN	2016.09.19

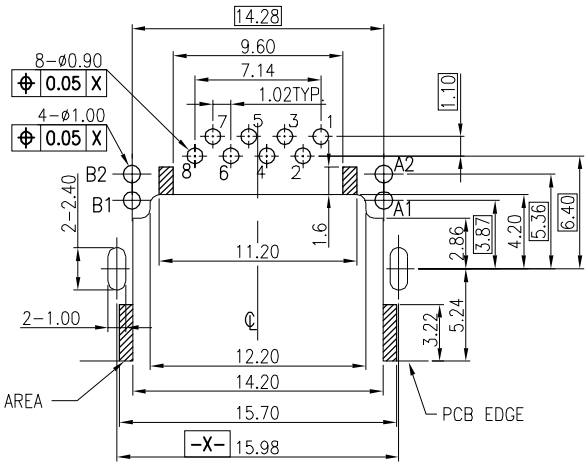












RECOMMENDED PCB LAYOUT
TOP VIEW ; TOL.±0.05
(PCB THICKNESS=1.20mm)

SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:
   1-1. CURRENT RATING: 500mA MAX.
   1-2. VOLTAGE RATING: 150VAC MAX.
   1-3. CONTACT RESISTANCE : 50mΩ MAX.(INITIAL).
   100mΩ MAX.(AFTER LIFE TEST).
   1-4. INSULATION RESISTANCE : 100MΩ MIN.
2. MECHANICAL CHARACTERISTICS:
   2-1. DURABILITY: 750 CYCLES.
   2-2. INSERTION FORCE: 2.25Kg MAX. WITH LATCH DEPRESSED.
   2-3. WITHDRAWAL FORCE: 4.5Kg MAX. WITH LATCH DEPRESSED.
   2-4. OPERATING TEMPERATURE: -30℃ ~ +70℃.
3. MARKING: MARK" " INSIDE OF THE CONNECTOR.
4. PACKAGING : TAPE & REEL.
5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION
   MARK ON PRODUCT:
7. HALOGEN FREE PRODUCT IDENTIFICATION LOGO
   ON THE PACKAGING:
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
9. PRINTED DATE CODE" YY MM DD " ON TOP OF THE CONNECTOR.
   - DD: DAY
   - MM: MONTH
   - YY: YEAR

10/100Base-T		100Base-T4	
Pin 1	TX+	Pin 1	TX_D1+
Pin 2	TX-	Pin 2	TX_D1-
Pin 3	RX+	Pin 3	RX_D2+
Pin 4	n/c	Pin 4	BI_D3+
Pin 5	n/c	Pin 5	BI_D3-
Pin 6	RX-	Pin 6	RX_D2-
Pin 7	n/c	Pin 7	BI_D4+
Pin 8	n/c	Pin 8	BI_D4-

NODE	COLOR	
B1(-) B2(+)	ORANGE	B1 → B2
	GREEN	B2 → B1
A1(-) A2(+)	YELLOW	A1 → A2

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
E	LED	1		YELLOW LIGHT
D	LED	1		ORANGE & GREEN LIGHT
C	SHIELDING	1	METAL T 0.25mm	Ni 50u"MIN.
B	8P8C CONTACT	8	PHOSPHOR BRONZE 0.25t	G/F ON CONTACT AREA Matt Sn 120u" ON SOLDER TAIL ALL OVER Ni 50u"MIN.
A	BODY	1	HIGH TEMP.THERMOPLASTIC	BLACK

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS: ANGLES:
X :±0.5 X :±2°
X.X :±0.3 X.X :±1°
X.XX :±0.2

Singatron Enterprise Co., Ltd.
信音企業股份有限公司

TITLE	RJ45 JACK			
DWN	ALLEN	PART NO. 2RJ3003-118111F		
CHKD	JAMES	SCALE 4:1	UNIT: mm	
APVD	BOYE	SIZE: A3	SHEET:1 / 1	REV: A

CUSTOMER COPY

文件編號 RD-06-043-A