

RJ45 CONNECTOR 10P

6234 SERIES



Electrical

- Voltage rating: 125 VAC RMS
- Current rating: 1.5 AMP
- Contact resistance: 30 milliohms max
- Insulation resistance: 500 megaohms min 500 VDC
- Dielectric strength: 1000V AC RMS 50Hz or 60Hz 1min

Mechanical

- Housing & insert material: PBT UL94V-0
- Contact material: Diameter 0.45mm phosphore bronze
Gold plating over nickel
- Shield: 0.20 ~ 0.25mm thickness brass with tin plated
- Mating/unmating force: 2.2kg F max
- Retention strength: 7.7kg F min between jack and plug
- Operating life: 600 cycles min

Environmental

- Storage: -10°C ~ +40°C relative humidity < 70%
- Operation: -40°C ~ +70°C

Ordering Information

6234DR1 - 10 X X
1 2 3

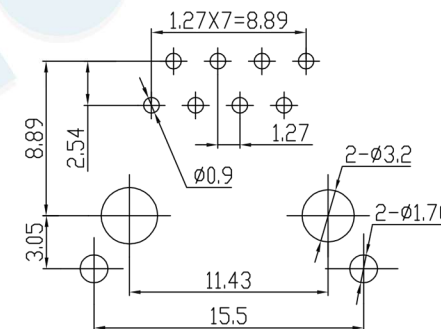
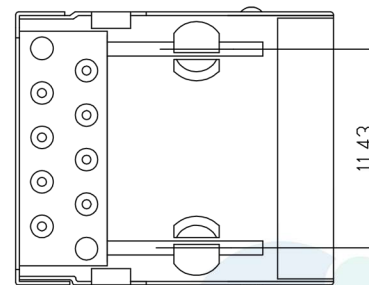
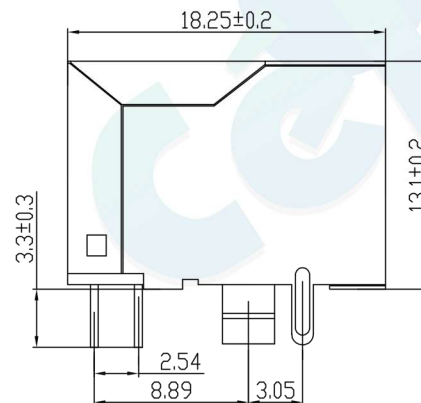
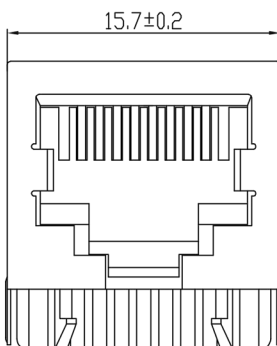
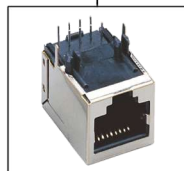
1. Connector Series

2. Contact Plating


- A = Gold Flash
- B = 3U" Gold
- C = 5U" Gold
- D = Gold Flash/Tin
- E = 3U" Gold/Tin
- F = 5U" Gold/Tin

3. Insulation material option

- A = PBT
- B = PA66
- C = PA6T
- D = PA9T
- E = LCP

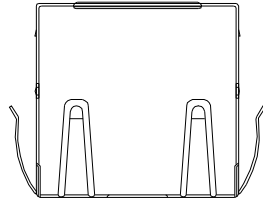


PC Board Layout

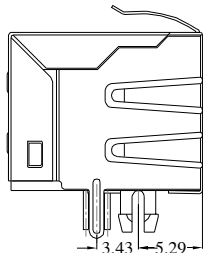
				OPERATION		DRAW	BEN	12.04.18	SCALE	FIT	 votre partenaire en électronique PART NO. 6234DR1 - 10XX TITLE: RJ45 10P8C connector 90° Dip H18.25mm	
				X.X	±0.30				UNIT	mm		
				X.XX	±0.20	CHECK		SIZE	A4			
				X.XXX	±0.10	APPROVE		SHEET	1/1			
				Angle	±3°			PROJ.	◆			
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	DIM	TOL							

REACH & RoHS
COMPLIANT

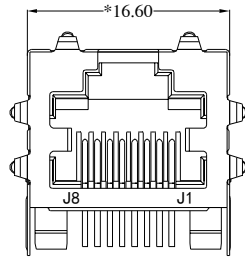
REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	MQ.QU	2017.12.27



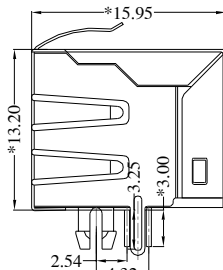
TOP VIEW



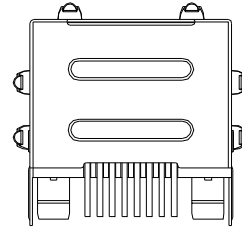
LEFT SIDE VIEW



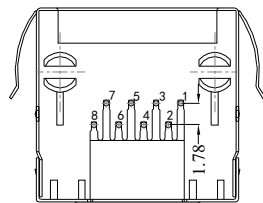
FRONT VIEW



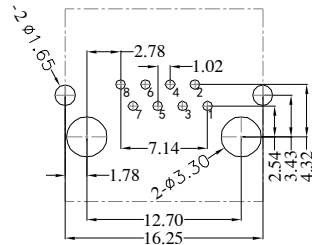
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT
VIEWED FROM COMPONENT SIDE

MATERIAL:

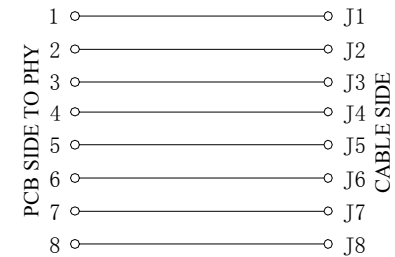
HOUSING: PBT,UL94V-0,BLACK.
TERMINAL: PHOSPHOR BRONZE Ø=0.46MM, 0.6U" GOLD PLATING.
SHIELD: C2680,T=0.20MM,20U" MIN NICKEL PLATING
ON ALL AREA.

MACHANICAL:

DURABILITY: 750 CYCLES MIN,12.5MM/MINUTE.
INSERTION FORCE: 2.2KG.F MAX.
RETENTION STRENGTH : 7.7KG.F BETWEEN JACK AND PLUG .
OPERATING TEMPERATURE: -40 °C~+85°C.
STORAGE TEMPERATURE: -40°C~+85°C.
ALL CRITICAL DIMENSIONS WITH "*"

ELECTRICAL:

VOLTAGE: 125 VOLTS AC.
CURRENT RATING : 1.5AMP.
DIELECTRIC STRENGTH : 1000 VAC RMS 50HZ OR 60HZ,1 MIN.
INSULATION RESISTANCE: 500 MEGA OHMS MIN. INITIAL
AFTER 500V DC FOR 1 MINUTE.
CONTACT RESISTANCE: SINGLE TERMINAL 30 MILLIOHMS MAX.
INITIAL 50 MILLIOHMS MAX. AFTER
DURABILITY TEST.



CELION SAS

TITLE: RJ45直通 56无灯带屏蔽	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: JP.Gong
PART NO.: RJ45561188HWA1DY1	SACLE 1:1	REV A0	x±0.35	x°±3.0°	CHECKED BY: TW.Xu
REMARK:	SHEET 1/1		.x±0.30	.x°±2.0°	DESIGND BY: MQ.Qu
			.xx±0.25	.xx°±1.5°	
			.xxx±0.10	.xxx°±1.0°	