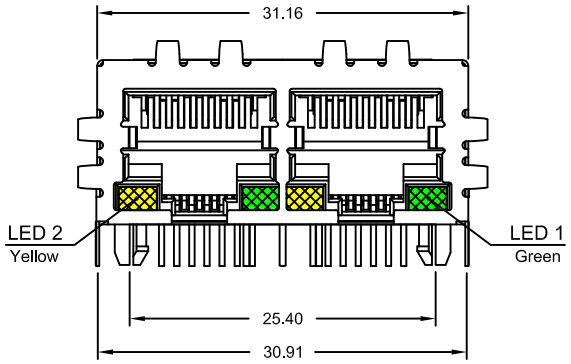
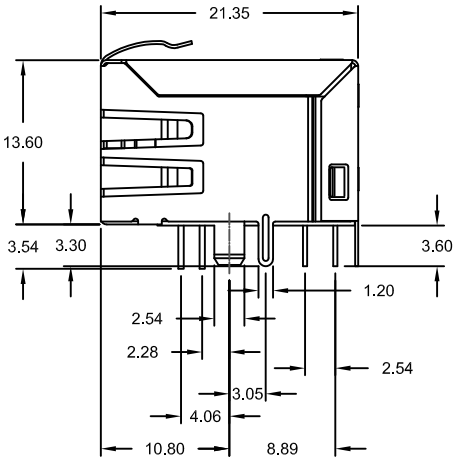
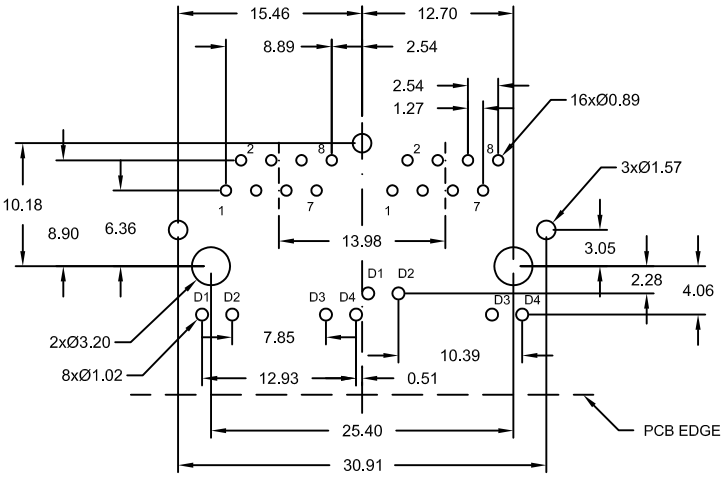
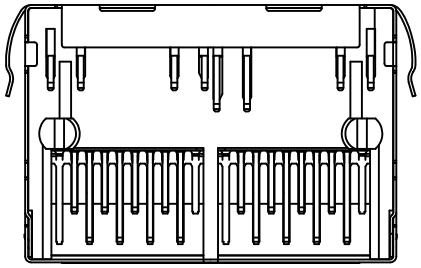
REV.	DESCRIPTION	DATE	DRAWN
A	NEW	15.08.2014	Ronny



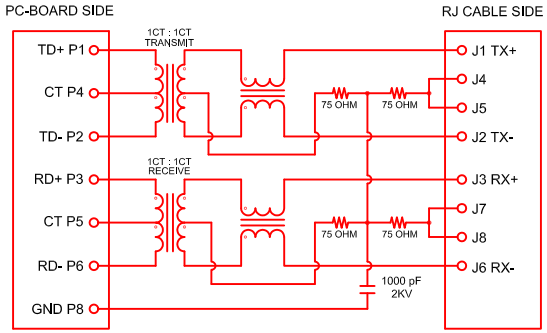




Recommended PCB LayoutTop View
(Tolerance ±0.08)



Schematic: "E" Type



ELECTRICAL CHARACTERISTICS

Test Notes: (25°C ±5°C)

1. TR: Input to output = 1:1±3%
2. LX: (100KHz 100mV 8mA DC Bias)
   350µH min.
3. DCR:
   Every RJ Pair = 1.2Ω max.
4. HIPOT:
   Input to output Pin: 1500V AC / 60 sec.
5. INSERTION LOSS:
   -1,0dB max. @ 0.3MHz to 100MHz
6. RETURN LOSS:
   -20dB min. @ 1MHz to 30MHz
   -15dB min. @ 30MHz to 60MHz
   -10dB min. @ 60MHz to 80MHz
7. CROSS TALK:
   -30dB min. @ 1MHz to 100MHz
8. COMMON TO COMMON MODE REJECTION:
   -30dB min. @ 1MHz to 100MHz

RoHS compliant

SPECIFICATION

MATERIALS
Insulator: PBT UL 94V-0 (Black)
Contact: Phosphor Bronze t=0.35mm
plated with Gold, and Tin in solder area
Shield: Copper Alloy t=0.25mm; Nickel plating

Operating Temperature: 0°C to +70°C

Jack Cavity confirms to FCC Rules and Registration
PAR68, Subparts F

PART NUMBER	GOLD PLATING CONTACT AREA
MJS-288-KCLE-98/71CA	30µ"

LED Schematic

Yellow
D1 ▷| D2

Green
D3 ▷| D4

E-tec Interconnect

UNIT	mm
SCALE	Free

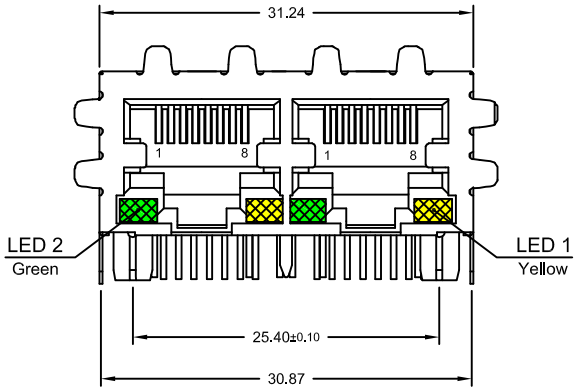
GENERAL TOLERANCE	
X.° ±	X. ±
.X° ±	.X ±
.XX° ±	.XX ± 0.25
.XXX° ±	.XXX ±

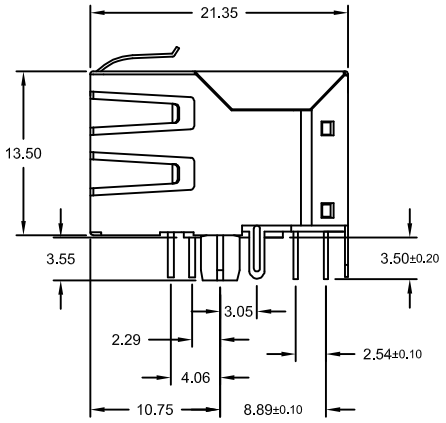
DRAWN	Ronny	DATE 15.08.2014
CHECK	Andres	DATE 15.08.2014
APPROVE	Hogi	DATE 15.08.2014

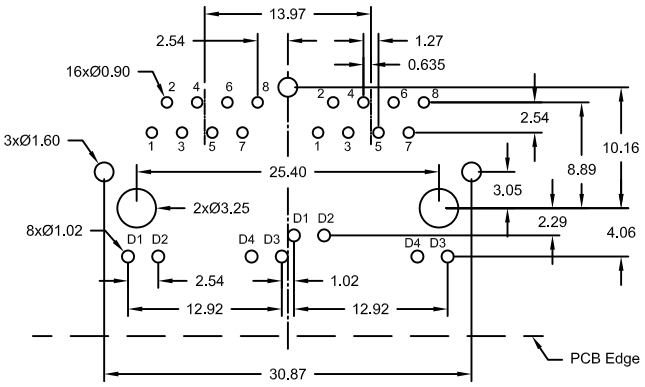
DWG. NO. 2342502 SHEET 1/1 REV. A
SERIES NO. MJS-288-KCLE-98/71CA

Multi Port "side by side" RJ 45 PCB JACK
2 x <8P8C> "Tab Down"
SIDE ENTRY-LONG PROFILE TYPE with LED
FULLY SHIELDED w GRD. LATCHES AROUND
"E" Type 10/100 Base TX Filtered

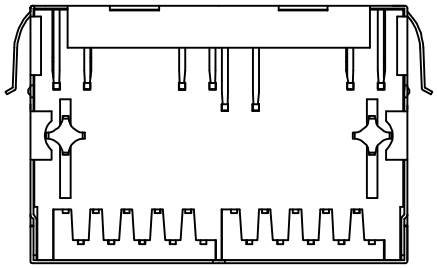
REV.	DESCRIPTION	DATE	DRAWN
A	New	21.03.2016	Ronny



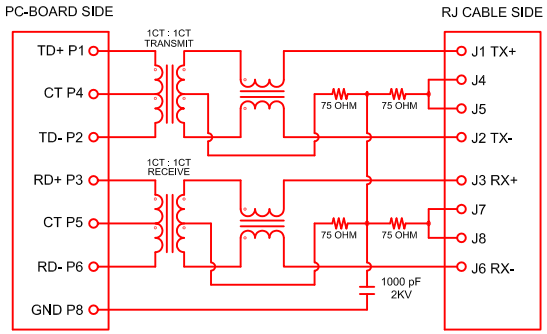




Recommended PCB LayoutTop View
(Tolerance ±0.08)



Schematic: "E" Type



RoHS compliant

ELECTRICAL CHARACTERISTICS

Test Notes: (25°C ±5°C)

1. TR: Input to output = 1:1±3%
2. LX: (100KHz 100mV 8mA DC Bias)
   350µH min.
3. DCR:
   Every RJ Pair = 1.2Ω max.
4. HIPOT:
   Input to output Pin: 1500V AC / 60 sec.
5. INSERTION LOSS:
   -1,2dB max. @ 0.1MHz to 100MHz
6. RETURN LOSS:
   -18dB min. @ 1MHz to 30MHz
   -14dB min. @ 30MHz to 60MHz
   -12dB min. @ 60MHz to 80MHz
7. CROSS TALK:
   -30dB min. @ 1MHz to 100MHz
8. COMMON TO COMMON MODE REJECTION:
   -30dB min. @ 1MHz to 100MHz

PART NUMBER	GOLD PLATING CONTACT AREA
MJS-288-KKLE-96/84CA	6µ"
MJS-288-KKLE-98/84CA	30µ"

LED Schematic

typical for single color LED

D1 D2 D3 D4

Green Yellow

Specifications

Material
Contact: Copper Alloy
Plating: Tin on solder,
Gold on contact area
Shield: Copper Alloy
Plating: Ni
Insulator: Thermoplastic (black) UL 94V-0

Operating temperature: -40°C to +85°C
Storage temperature: -40°C to +85

Mechanical Requirements
Operating life: 800 cycles min.

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E-tec Interconnect

UNIT	mm
SCALE	Free

GENERAL TOLERANCE	
X.° ±	X. ±
.X° ±	.X ±
.XX° ±	.XX ± 0.25
.XXX° ±	.XXX ±

DRAWN	Ronny	DATE 21.03.2016
CHECK	Oliver	DATE 21.03.2016
APPROVE	Hogi	DATE 21.03.2016

DWG. NO. 2342503 SHEET 1/1 REV. A

SERIES NO. MJS-288-KKLE-9x/84CA

Multi Port "side by side" RJ 45 PCB JACK
2 x <8P8C> "Tab down"
side entry - long profile Type with LED
fully shielded **with** gnd. Latches around
"E" Type 10/100 Base TX Filtered