

Ordering Information:

RJ 45-T 0X D03 1 PX

Plating: (Selective plating for stamping contacts)

S1 = Gold Flash

S2 = 5u"

S3 = 10u"

S4 = 15u"

S5 = 30u"

S6 = 50u"

S7 = Special Plating Request by Customer

Led Configuration:

See LED Chart

Tooling Option

Number of Ports

Mounting Type:

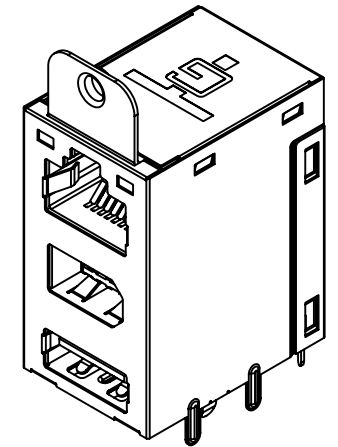
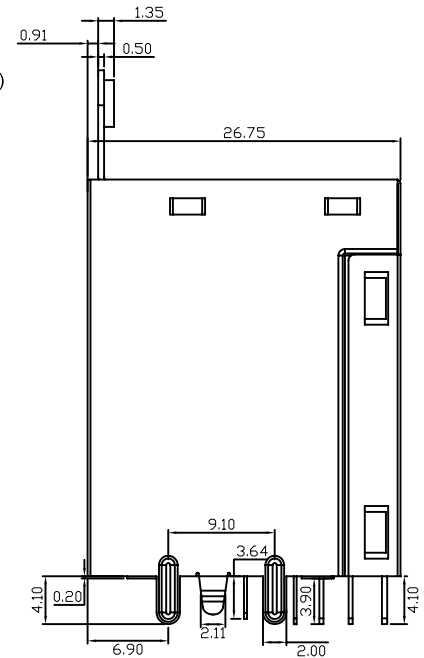
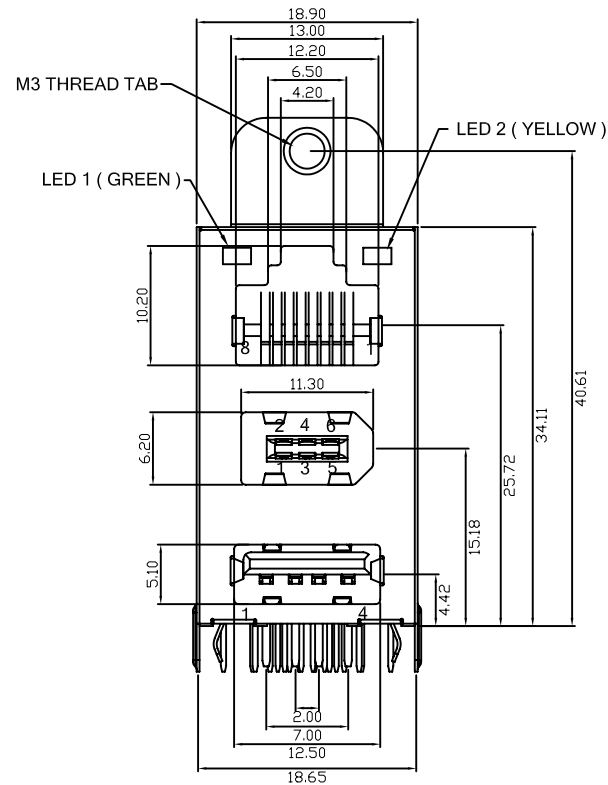
T = R/A tab up

C = Combo type

RJ45 Series:

LED CHART

	Left LED		Right LED	
	-L3/+L4	+L3/-L4	-L1/+L2	+L1/-L2
0	w/o	w/o	w/o	w/o
1	Green		Yellow	
2		Green		Yellow
3	Green		Green	Yellow
4	Yellow		Green	
5		Green	Yellow	Green
6	Green	Orange	Yellow	
7	Yellow		Green	Orange
8	Yellow		Orange	Green
9	Green	Orange	Green	
B		Yellow		Green
C	Green		Green	



TOLERANCE		GENESIS TECHNOLOGY, INC. a Genesis Electro-Mechanical Company 1015 GRANT STREET S.E. ATLANTA, GA 30315	TITLE:								
LINEAR	ANGLES		RJ45 WITH LED + 6P 1394 + USB A FEMALE								
X.±	X°.±	APPD:	MAT'L:		PART NO.	RJ45-T0XD031PX					
.X±0.38	.X°.±	CHKD:	FINISH:		DWG NO.	SC-10338					
[N] CHANGE ORDER INFORMATION	AXL 5/2/08'	.XX±0.25	.XX°.±	DRWN: AXL	Q'TY:	UNITS	SCALE	SHEET	REV		
REV	ECN NO.	NAME	DATE	.XXX±0.10	.XXX°.±	DRWN: AXL	Q'TY:	MM	NONE	1 OF 2	N

Notes:

1. Electrical:

- a. Voltage Rating: 30VDC Max. (r.m.s)
- b. Current Rating: 0.5Amperes.
- c. Insulation Resistance: 1000M ohms min.
- d. Dielectric Withstand Voltage: AC 100V/1 minute.
- e. Contact Resistance: USB 1394 conn. 30 m ohms max. initial;
RJ45 70 m ohms max. initial.

2. Mechanical:

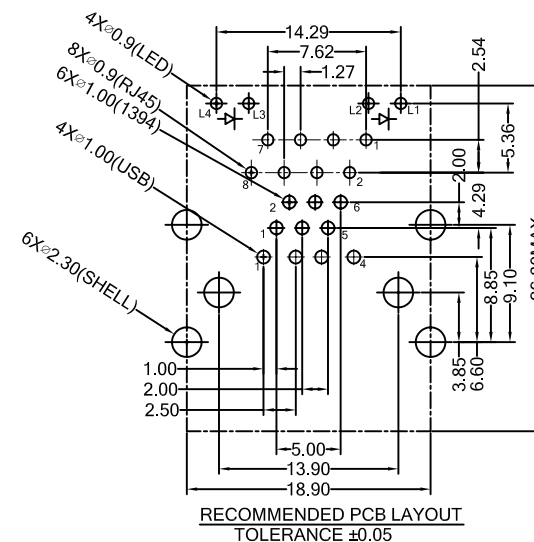
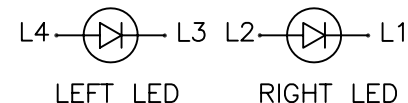
- a. Material:
Contacts: Phosphor Bronze C5191-H.
Housing&Cover/Flammability Rating: PBT + 30%G/F,UL94V-0
Shell: Brass C2680-H.
Tab: Brass C2680-H.
- b. Plating:
Contacts: Gold plated Optional (see order information).
80u" TIN MIN. Plated at solder side, 30u" nickel underplated overall.
Shell: 50u" Nickel plated.
Tab: 50u" Nickel plated.
- c. Durability: USB 1,500 Cycles; RJ45 and 1394 1,000 Cycles.
- d. Mating force: USB 35N Max. ; 1394 39.2N Max. ; RJ45 18.3N Max.
Unmating force: USB 10N Min, ; 1394 4.9N Min. ; RJ45 4.9N Min.
- e. Coplanarity of SMT Leads: Not Applicable.
- f. Solderability: More than 95% of solderable area shall be covered with solder after 5~10 seconds flux(No clean flux)deep.
- g. Soldering Profile: 230°C±5°C for 5~10 seconds without remarkable deterioration.

3. Environmental:

- a. Operating/Storage Temperature: -40°C to +85°C.
- b. Temperature Life: A temperature of 60±5°C for 96hours.
- c. Salt Spray test shall be tested per ASTM 117 for 4 hours.
- d. Steady State Humidity: 90%~95% humidity on 40±3°C for 96hours.
- e. Thermal Shock: 10 cycles of -55±5°C to 85±5°C.
- f. Shock: No discontinuities of 1 us or longer duration when mated USB 1394 RJ45 connectors are subjected to 11 ms duration 30 Gs half-sine shock pulses. Three shocks in each direction applied along three mutually perpendicular planes for a total of 18 shocks.
- g. Vibration: No discontinuities of 1us of longer duration when mated USB 1394 RJ45 conn. are subjected to 5.35Gs RMS. 15min. in each of three mutually perpendicular planes.
- h. After enviromental test, USB 1394 connector contact resistance should not increase to 40m ohms max. RJ45 connector contact resistance should not increase to 80m ohms max. and meet IR and DWV as initial.

4. Compliance:

- a. Standard: USB version 2.0 specification.
- b. Standard: 1394 criteria draft version 0.94 specification.
- c. Standard: RJ serial specification.
- d. RoHS Compliance.



PART NO.	RJ45-T0XD031PX	SHEET	REVISION
DWG NO.	SC-10338	2 OF 2	SEE SHEET 1