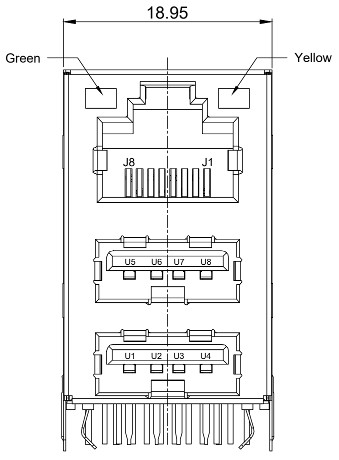
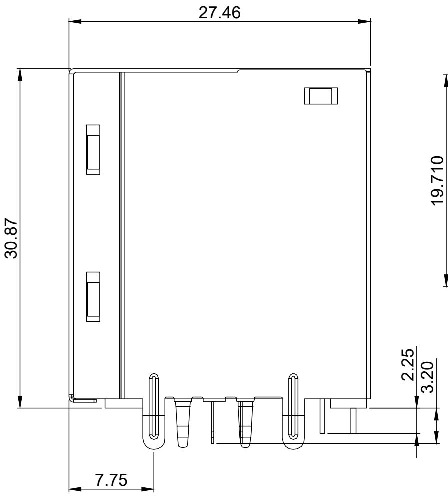
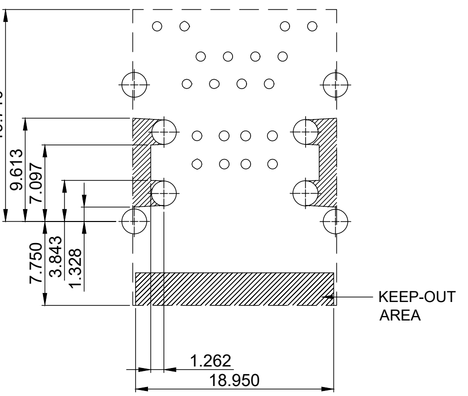
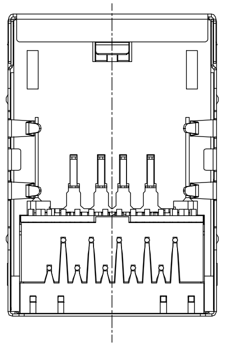


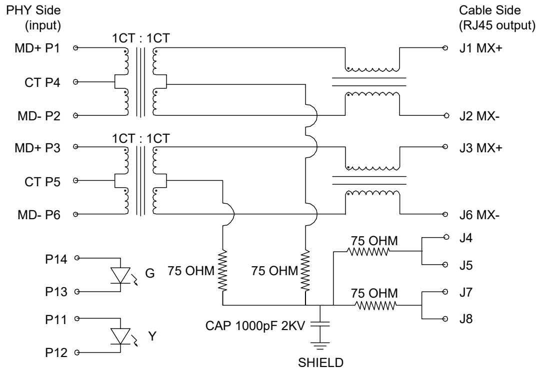




NOTES:
MECHANICAL
HOUSING & INSERT : THERMOPLASTIC
UL94 V-0
CONTACT : COPPER ALLOY
PLATING : SELECTIVE GOLD 6u"
MIN. IN CONTACT AREA
SHIELD : SUS304
USB : THERMOPLASTIC UL94V-0
CONTACT AREA 6u" GOLD
PLATING MIN.

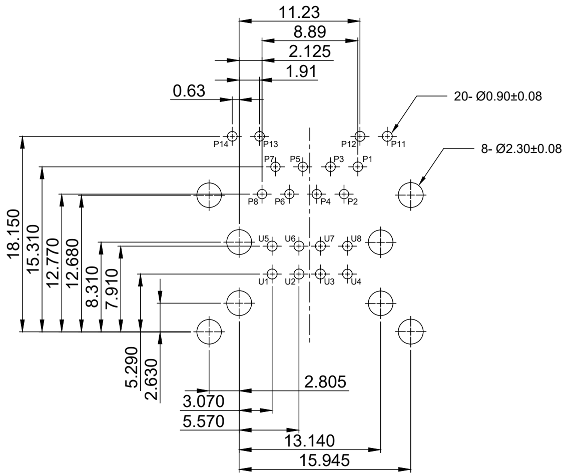
ENVIRONMENTAL
STORAGE : -40°C ~ +85°C
OPERATION : -40°C ~ +85°C



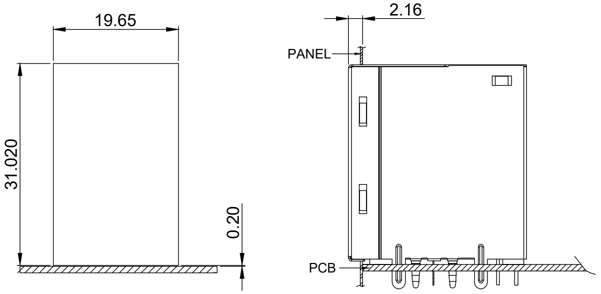


CIRCUIT SCHEMATIC

PARAMETER	SPECIFICATIONS	
TURN RATIO @100KHz	(P1~P2):(J1~J2) = 1:1±5% (P3~P6):(J3~J6) = 1:1±5%	
PRIMARY INDUCTANCE	350uH Min. @100KHz, 0.1V 8mA DC BIAS	
DC RESISTANCE	(J1~J2):(J3~J6) 1.2 OHMS Max.	
INSERTION LOSS	1-100MHz	-1.2dB Max.
RETURN LOSS	1-30MHz	-16dB Min.
	30-60MHz	-12dB Min.
	60-80MHz	-10dB Min.
CROSS TALK	1-100MHz	-30dB Min.
COMMON MODE REJECTION RATIO	1-100MHz	-30dB Min.
ISOLATION PHY SIDE TO LINE SIDE	1500V AC OR 2250V DC	



RECOMMENDED PCB LAYOUT



RECOMMENDED PANEL OPENING

E.S. GLOBAL TOP
UNIT mm
REVISION A
PRODUCT RJ45 + USB ICM 10/100 Base-T
TOLERANCES ±0.10 UNLESS OTHERWISE SPECIFIED
DWG NO. EZI01SU-108N21-01
PART NO.
PROJECTION
SCALE
SHEET 1 OF 1