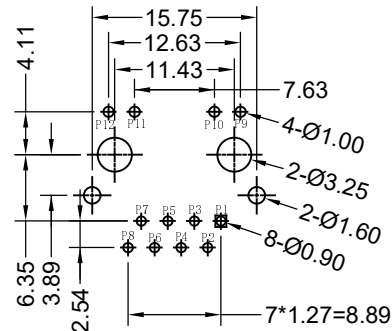
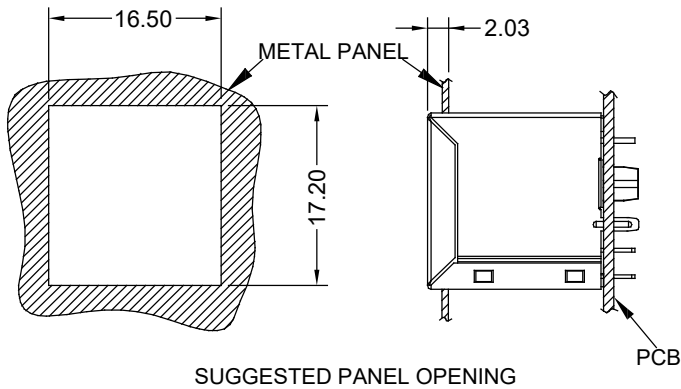


UNLESS OTHERWISE STATED ALL DIMENSIONS ARE TOLERANCED TO $\pm 0.254[0.010]$

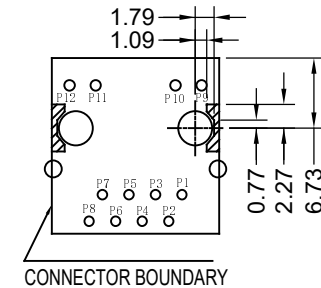
THIS IS A C.A.D. GENERATED DRAWING DO NOT MAKE MANUAL REVISIONS TO MASTER.



ISSUE NUMBER	
ORIGINAL	①
DIM UPDATE-C.B 10.3.16	②
UPDATE DRAWING	③
Y.Z	01.04.2018
ADD CONTACT PLATING	④
N.B.	JUN.24/2021
UPDATE PEGS SHAPE	⑤
UPDATE ELEC. SCHEMATIC	
P.M.	NOV.12/2022



UNIT: mm["]
TOL: $\pm 0.10[0.004]$

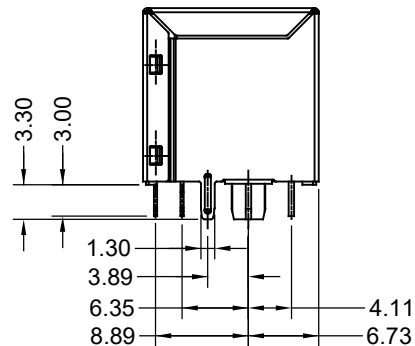
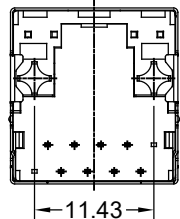
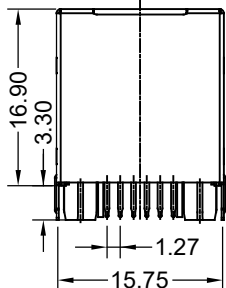
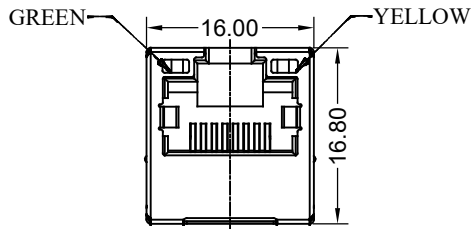


NOTES:

- CONNECTOR MATERIAL:
HOUSING: THERMOPLASTIC UL94 V-0
SHIELD: BRASS
SHIELD PLATING: NICKEL
CONTACT: COPPER ALLOY
CONTACT PLATING: GOLD PLATING IN CONTACT AREA

PART NO	GOLD PLATING THICKNESS
A63-112-431P112	GOLD FLASH PLATING
A63-113-431P112	15 MICRO INCHES OF GOLD
A63-114-431P112	30 MICRO INCHES OF GOLD

- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED
SEE ELECTRICAL DRAWING FOR OMITTED PINS
- RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS
PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECS MAX
- OPERATING TEMPERATURE T=0°C TO 70°C
- STORAGE TEMPERATURE T=-40°C TO 85°C
- All CRITICAL DIMENSIONS WITH "***"



RJ45 MAGNETIC JACK WITH LED, VERTICAL, 8P, 8C SHIELDED, 10/100Mbps FILTER

ACAD REFERENCE NO. A63-113-431P112	
DRAWN: C.B	DATE: OCT 03/16
CHECKED: N.B.	DATE: JUN.24/2021

PART NUMBER: SEE NOTE		SHEET 1 OF 2
DRAWING NUMBER A63-113-431P112	ISSUE 5	



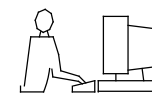
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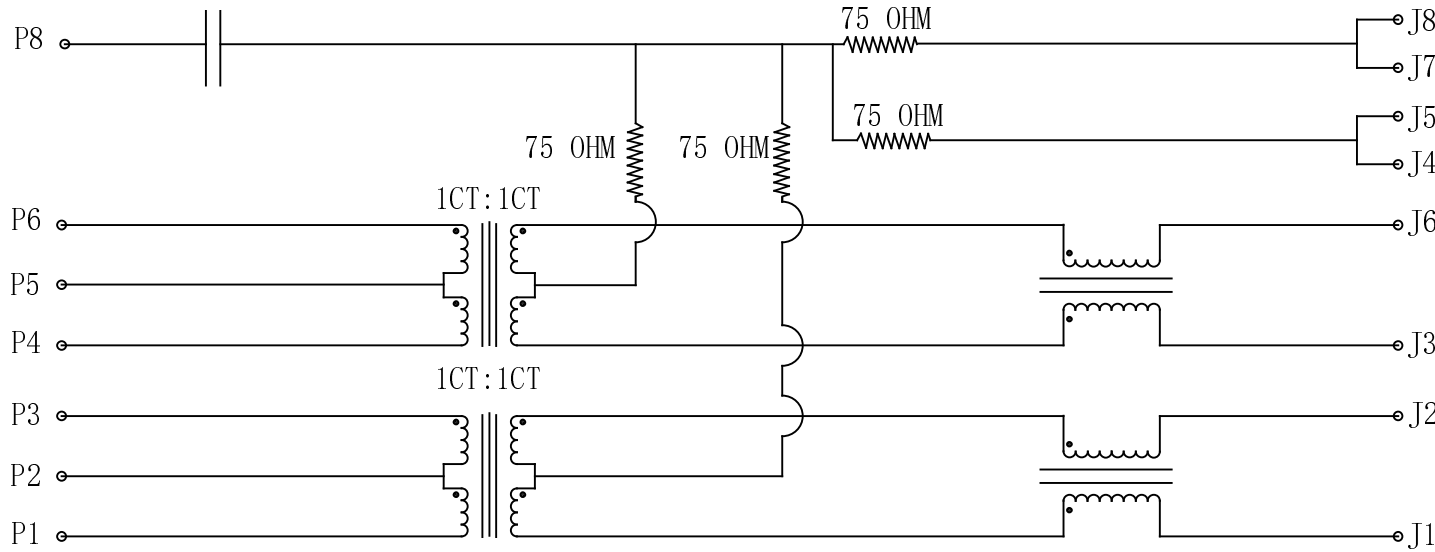
CONNECTOR SOLDER SIDE

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ISSUE NUMBER	
ORIGINAL	①
DIM UPDATE-C.B 10.3.16	②
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N.B. JUN.24/2021	
UPDATE PEGS SHAPE	⑤
UPDATE ELEC. SCHEMATIC	
P.M. NOV.12/2022	

CAP 1000pF 2KV



LED CIRCUIT:



LED SPECIFICATIONS (WITH FORWARD CURRENT OF 20 mA)			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	TYP
GREEN	565 nm	2.4 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

PIN	YELLOW	PIN	GREEN
P9	-	P11	-
P10	+	P12	+

ELECTRICAL SPECIFICATIONS:

TURN RATIO @ 100KHz: (P1~P3):(J1~J2) = 1:1±5%
(P4~P6):(J3~J6) = 1:1±5%

PRIMARY INDUCTANCE: 350µH min @ 100KHz,
0.1V 8mA DC BIAS

DC RESISTANCE: (J1~J2):(J3~J6) 1.2Ω MAX.

INSERTION LOSS: 1-100MHz -1.2dB MAX.
30-60MHz -12dB min.
60-80MHz -10dB min.

RETURN LOSS: 1-30MHz -16dB min.
1-100MHz -30dB min.

CROSS TALK: COMMON TO COMMON
MODE ATTENUATION: 1-100MHz -30dB min.

ISOLATION PHY SIDE TO LINE SIDE: 1500V AC OR 2250V AC

RJ45 MAGNETIC JACK WITH LED, VERTICAL, 8P, 8C
SHIELDED, 10/100Mbps FILTER

ACAD REFERENCE NO. A63-113-431P112	
DRAWN: C.B	DATE: OCT. 03/16
CHECKED: N.B.	DATE: JUN.24/2021
PART NUMBER: SEE NOTE	
DRAWING NUMBER A63-113-431P112	
SHEET 2 OF 2 ISSUE 5	



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