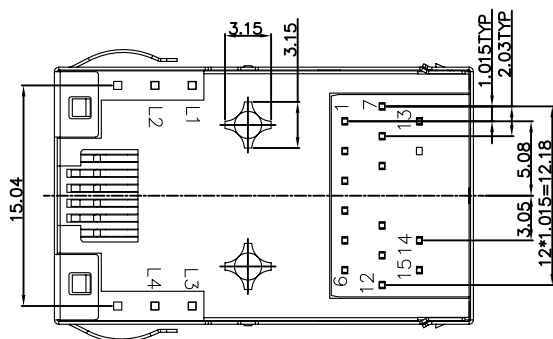
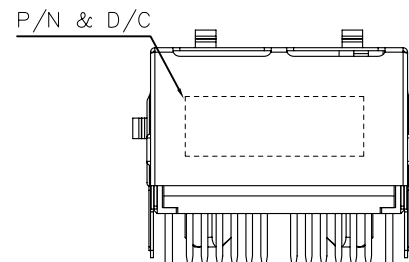
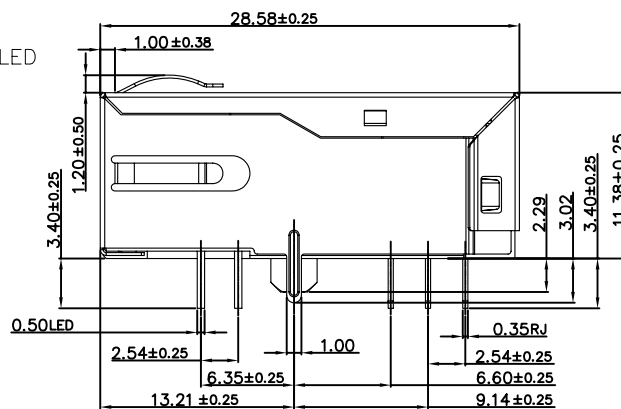
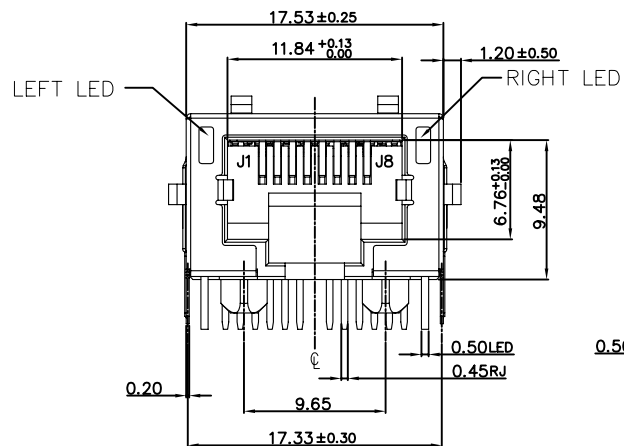
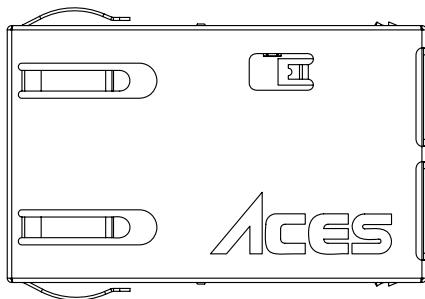


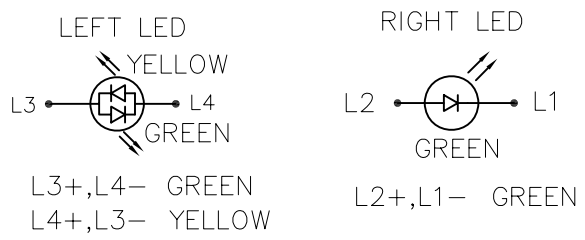
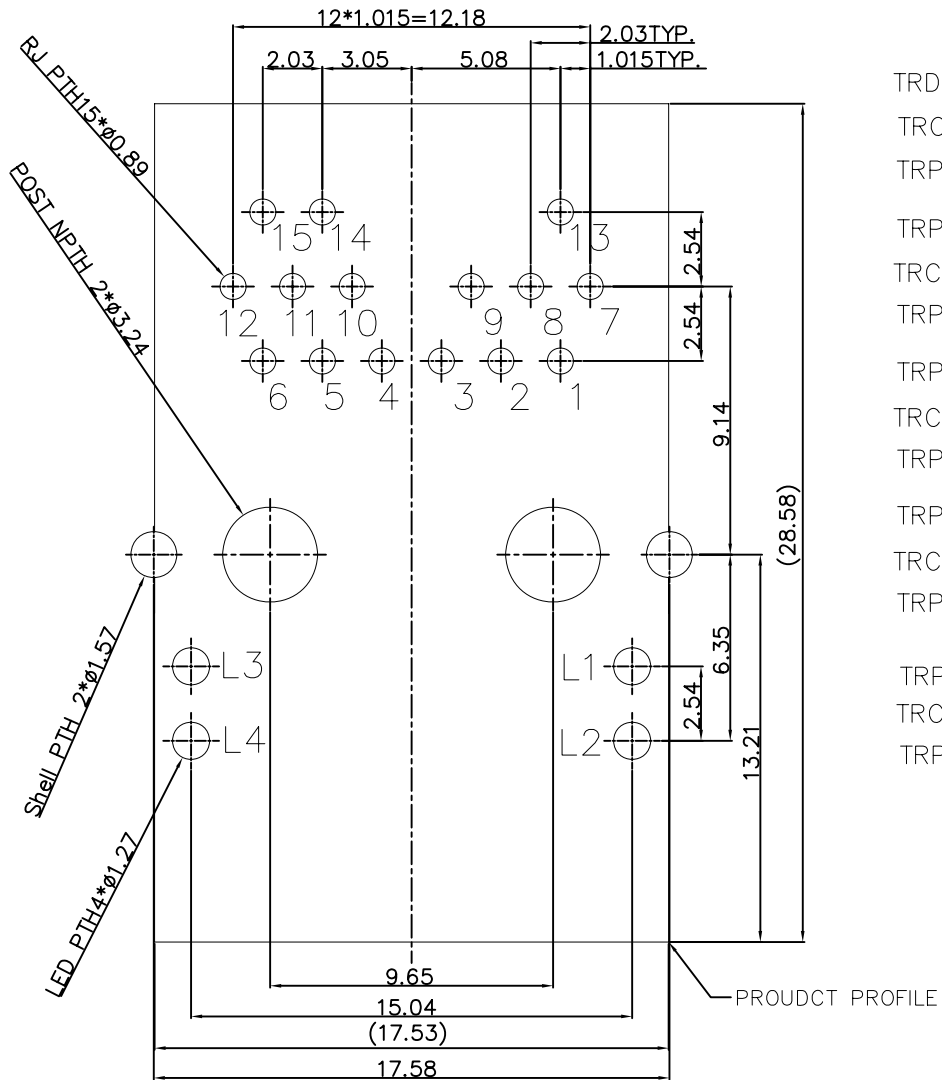


1.0: MECHANICAL SPECIFICATION:

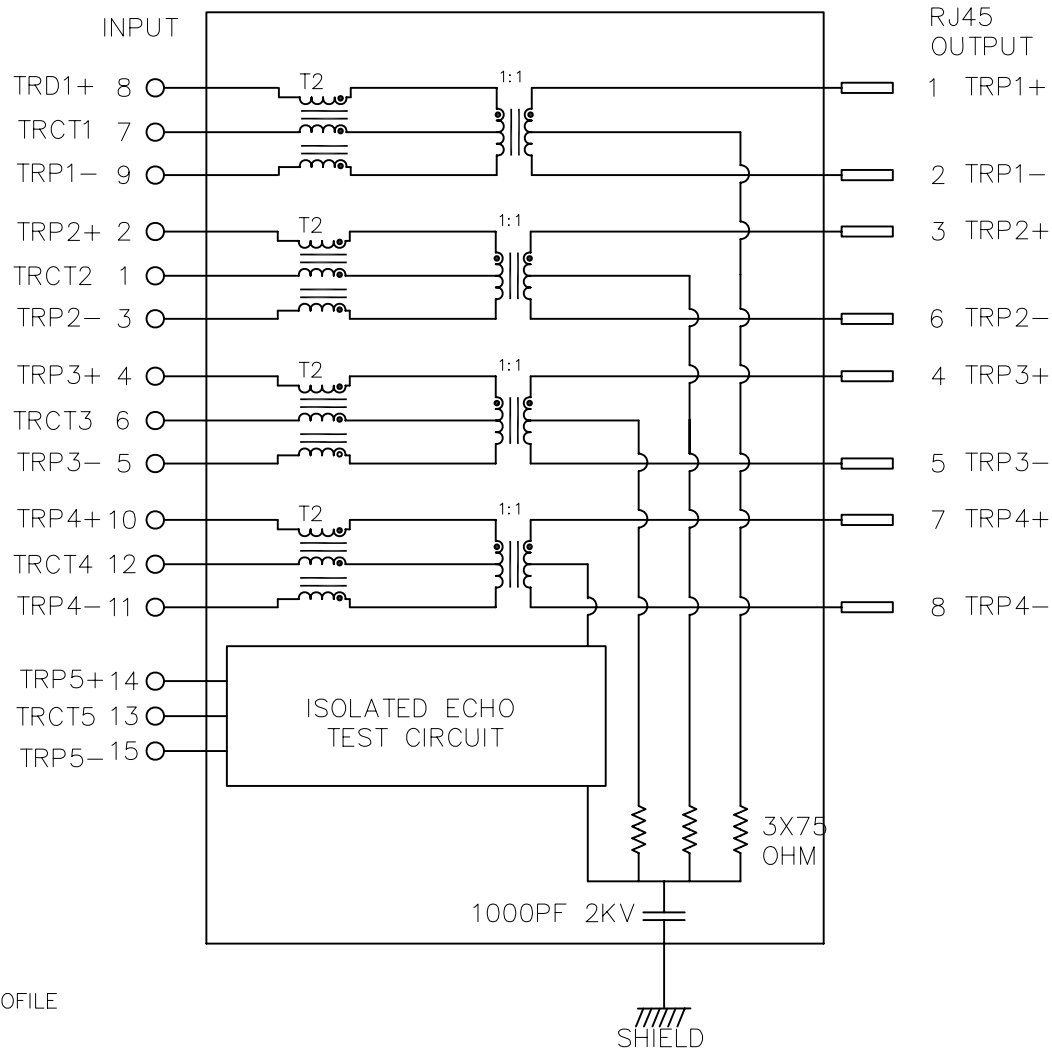


QUALITY SYMBOLS MAJOR CRITICAL GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±0.5 .X ±0.25 .XX ±0.15 .XXX ±0.1 ANGLES ±2°	DRAWN BY Wu Xiao Guang CHECKED BY Deng Shuang Shan APPROVED BY hsieh fu yu	DATE 18/05/24 DATE 18/05/24 DATE 18/05/24	
	TITLE 1.02mm Pitch RJ45 Transformer Jack Conn. T/H R/A 10G tap down 1X1 type		
UNITS mm SCALE 1:1		SIZE A4 REV 0	SHEET NO. 1 OF 5

2.0: RECOMMEND P.C.B LAYOUT: (COMPONENT SIDE)
TOLERANCE: ±0.05mm



3.0: SCHEMATIC:



QUALITY SYMBOLS MAJOR CRITICAL	DRAWN BY Wu Xiao Guang	DATE 18/05/24	
	CHECKED BY Deng Shuang Shan	DATE 18/05/24	
GENERAL TOLERANCES (UNLESS SPECIFIED)	APPROVED BY hsieh fu yu	DATE 18/05/24	TITLE 1.02mm Pitch RJ45 Transformer Jack Conn. T/H R/A 10G tap down 1X1 type
	X. ±0.5 .X ±0.25 .XX ±0.15 .XXX ±0.1 ANGLES ±2°	UNITS mm	
	SCALE 1:1	SHEET NO. 2 OF 5	DWG NO. 30802-XXXXXXXX-XXX
			PART NO. SEE PAGE 3

4.0: P/N RULE CODE:

30802-M B C A1 5 00 T -001

001: NORMAL

Packing:
T: Tray package

Mechanical Series(W/Logo&LED,W/ All spring)

PLATING CODE

5: 30u" selected Gold plating over 50 u" min. Nickel.

CIRCUIT TYPE: A1

LED POLARITY CODE


C: LEFT LED POLARITY ACCORD;RIGHT LED POLARITY REVERSE

LED CODE:

		LEFT LED						
		ORANGE	GREEN	YELLOW	G/O	G/Y	R/Y	W/O LED
RIGHT LED	ORANGE	1	2	3	4	5	6	
	GREEN	7	8	9	A	B	C	
	G/O	D	E	F	G	H	I	
	YELLOW	J	K	L	M	N	P	/
	G/Y	Q	R	S	T	U	V	
	R/Y	Z	X	Y	/	/	/	
W/O LED								0

M: MOUDLE+H(Halogen free)

30802: RJ Series

QUALITY SYMBOLS MAJOR  CRITICAL 	DRAWN BY Wu Xiao Guang	DATE 18/05/24		
	CHECKED BY Deng Shuang Shan	DATE 18/05/24		
GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±0.5 .X ±0.25 .XX ±0.15 .XXX ±0.1 ANGLES ±2°	APPROVED BY hsieh fu yu	DATE 18/05/24	TITLE 1.02mm Pitch RJ45 Transformer Jack Conn. T/H R/A 10G tap down 1X1 type	
	UNITS mm		SIZE A4	DWG NO. 30802-XXXXXXXX-XXX
	SCALE 1:1	SHEET NO. 3 OF 5	REV 0	PART NO. SEE PAGE 3

5.0 NOTES:

5.1. MATERIAL SPECIFICATION;

1-1 Plastic Housings:

- A. Housings: Thermoplastic, UL 94V-0
- B. Transformer Housing: Thermoplastic, UL94V-0

1-2 Terminals:

- A. RJ Contacts: Phosphor Bronze
- B. RJ Solder Pins: Brass
- C. Transformer Housing Solder Pins: Copper Alloy
- D. LED Solder Pins: Copper Alloy

1-3 Shields:

- A. Shield: SUS 304

1-4 Plating:

- A. RJ Contacts: As P/N specified
- B. RJ Solder Pins: 100u"min. Matte Tin over 50u" Nickel under-plating
- C. LED Solder Pins: 100u"min. Tin over 50u" Nickel under-plating
- D. Shield: Nickel-Plated

5.2. LED Code

Emitting Color	λ_p (nm)TYPE	Vf@IF=20mA
Green	565	1.7-2.6V
Yellow	585	1.7-2.6V
Orange	610	1.7-2.6V





5.3. ELECTRICAL CHARACTERISTICS

- 1-1. OCL :@ 100K HZ , 0.1V , 140uH Min
INPUT(14-15): 40uH Min
- 1-2. Turn Ratio : 1CT:1CT +/- 5%
- 1-3. Insertion Loss : @ 5MHZ -0.55dB Max
@ 200MHZ -0.77dB Max
@ 400MHZ -1.41dB Max
- 1-4. Return Loss :
@ 1-100MHZ -22dB Min.
@ 100MHZ-500MHZ -22+18.27LOG(f/100)dB Min.
- 1-5. Cross Talk : 1- 100 MHZ -28dB Min.
100-500MHZ -19dB Min.
- 1-6. Common Mode Rejection :
1-100 MHZ -35dB Min.
100-300 MHZ -30dB Min.
300-500 MHZ -25dB Min.
- 1-7. Common Mode to Differential Mode Rejection :
1-250 MHZ -30dB Min.
250-500 MHZ -22dB Min.
- 1-8. Isolation Hi-Pot : 2250VDC Min@ 60S

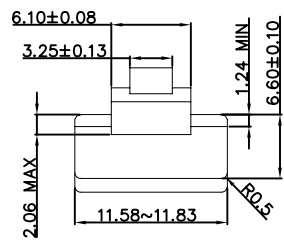
5.4. OPERATING & TEST REQUIRMENTS

Product is designed to meet electrical, mechanical and environmental performance requirements specified below. All tests are performed at ambient environmental conditions per MIL-STD-1344A and EIA-364 unless otherwise specified:

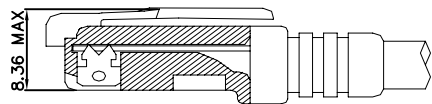
- 1-1 Operating Temperature Range: 0°C TO +70°C
- 1-2 Storage Temperature: -40°C to 85°C

QUALITY SYMBOLS MAJOR  CRITICAL 	DRAWN BY Wu Xiao Guang	DATE 18/05/24		
	CHECKED BY Deng Shuang Shan	DATE 18/05/24		
GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±0.5 .X ±0.25 .XX ±0.15 .XXX ±0.1 ANGLES ±2°	APPROVED BY hsieh fu yu	DATE 18/05/24	TITLE 1.02mm Pitch RJ45 Transformer Jack Conn. T/H R/A 10G tap down 1X1 type	
	UNITS mm		SIZE A4	DWG NO. 30802-XXXXXXXX-XXX
	SCALE 1:1	SHEET NO. 4 OF 5	REV 0	PART NO. SEE PAGE 3

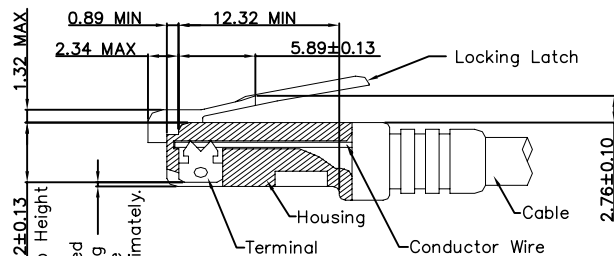
6.0 RECOMMEND RJ PLUG SPECIFICATION



There must be no damage to housing or locking latch. There must be no nicks or cuts in cable.
Durability : 750 cycles generally



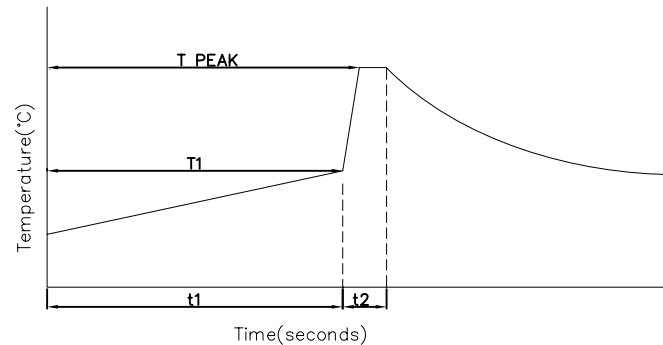
FOLLOW SPECIFICATION: FCC,PART 68. SUBPART F FIGURE 68.500 (C)(2)(ii)



Crimp Height
All contacts recessed below top of housing and must be at the same height approximately.

FOLLOW SPECIFICATION: FCC,PART 68. SUBPART F FIGURE 68.500 (C)(2)(i) AND IEC 603-7 FIGURE 23 & 24

7.0 RECOMMEND WAVE SOLDERING PROFILE



PARAMETER	REFERENCE	LEAD FREE SPECIFICATION
PREHEAT TEMPERATURE GRADIENT		+1~4℃/sec
PREHEAT TIME	t1	2~3 MIN
PREHEAT TEMPERATURE	T1	>100℃
SOLDER POT TEMPERATURE	T PEAK	265℃±5℃
DWELL TIME	t2	5 SEC
PEAK BOARD TOP TEMPERATURE		190℃
COOLING TEMPERATURE GRADIENT		-6℃/SEC MAX.

QUALITY SYMBOLS MAJOR CRITICAL GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±0.5 .X ±0.25 .XX ±0.15 .XXX ±0.1 ANGLES ±2°	DRAWN BY Wu Xiao Guang CHECKED BY Deng Shuang Shan APPROVED BY hsieh fu yu	DATE 18/05/24 DATE 18/05/24 DATE 18/05/24		TITLE 1.02mm Pitch RJ45 Transformer Jack Conn. T/H R/A 10G tap down 1X1 type
	UNITS mm SCALE 1:1			