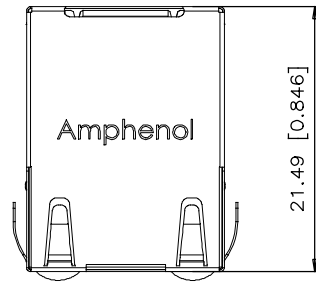


REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING	NOV 27/14	L.CHAN
B	PROPOSAL DRAWING	MAY21/15	L.CHAN

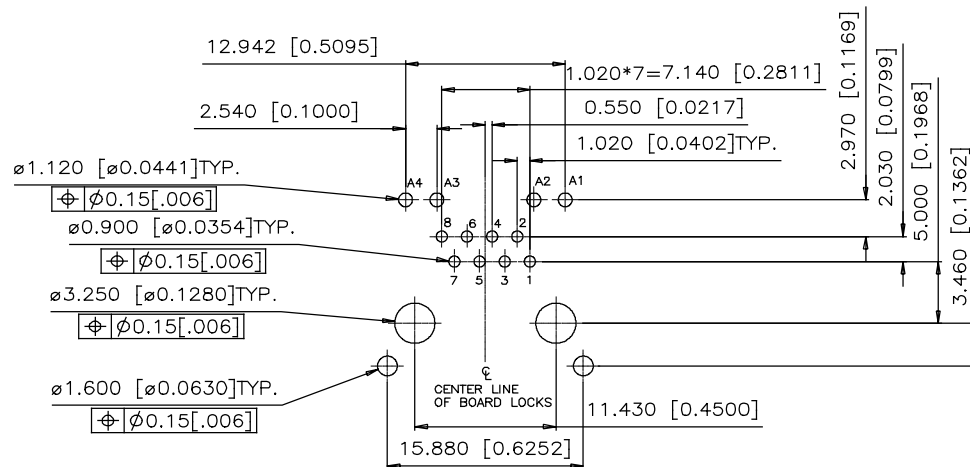
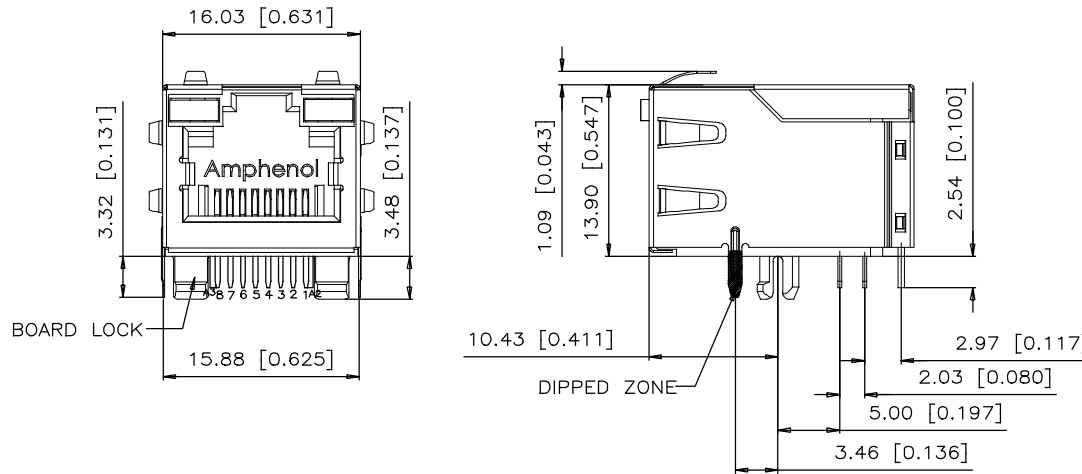


NOTES:

ELECTRICAL:

1. VOLTAGE RATING: 125 VAC.
2. CURRENT RATING: 1.25 AMP.
3. INSULATION RESISTANCE: 500 MEGAOHMS MIN.
4. DIELECTRIC STRENGTH: 1000 VAC RMS 60Hz, 1 MIN.
5. CATEGORY 6 CHARACTERISTIC:

Frequency MHz	Near-End Cross talk dB, Min.	Return Loss dB, Min.	Insertion loss dB, Max.
1.0	75.0	30.0	0.10
4.0	75.0	30.0	0.10
8.0	75.0	30.0	0.10
10.0	74.0	30.0	0.10
16.0	69.9	30.0	0.10
20.0	68.0	30.0	0.10
25.0	66.0	30.0	0.10
31.25	64.1	30.0	0.11
62.5	58.1	28.1	0.16
100.0	54.0	24.0	0.20
200.0	48.0	18.0	0.28
250.0	46.0	16.0	0.32



RECOMMENDED PCB HOLE LAYOUT
SEEN FROM COMPONENT SIDE
TOLERANCE: ± 0.05 [0.002]

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MECHANICAL:

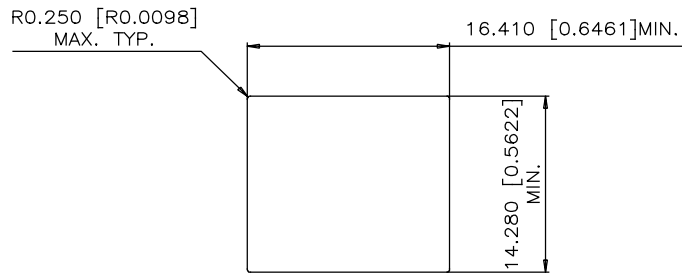
1. SHIELD: STAINLESS STEEL, WITH TIN-DIP ON SOLDER TABS.
2. HOUSING: HIGH TEMP THERMOPLASTIC. UL 94V-0.
3. CONTACT: COPPER ALLOY
SELECTIVE GOLD PLATING FOR MATING SURFACE,
50u" NICKEL UNDERPLATE
100u" MATTE TIN PLATING ON CONTACT SOLDER TAIL.

ENVIRONMENTAL:

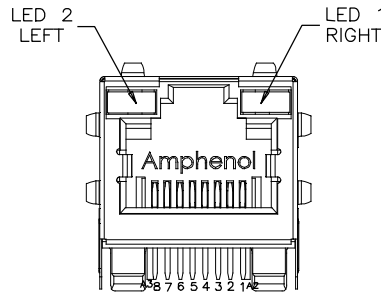
1. STORAGE: -40° TO $+85^{\circ}$.
2. OPERATION: -40° TO $+85^{\circ}$.

MATES WITH MODULAR PLUG CONFORMING TO TIA-1096 STANDARD.
RECOMMENDED SOLDER PROCESS: WAVE SOLDER, PEAK TEMPERATURE
260° FOR 10 SECOND.

UNLESS SPECIFIED OTHERWISE		DRAWN	Ivan.Li	NOV 27/14	Amphenol Canada Corp.	
PRIMARY UNITS MILLIMETERS		CHECKED	L.CHAN	NOV 27/14		
SECONDARY INCHES		M.E. APP'D			MODULAR JACK, SINGLE PORT, 8P8C, SHIELDED, TAB UP TYPE WITH LED, CAT 6 - RoHS COMPLIANT	
REFERENCE IN PARENTHESES		Q.A. APP'D				
GENERAL TOLERANCES FOR MM		DWG APP'D	A.GREEN	NOV 27/14	DWG NO. P-RJE59-188-5XX1	
1 DECIMAL PLACE ± 0.5		ENG. REL. NO.				
2 DECIMAL PLACES ± 0.38		REF.			REV B	
3 DECIMAL PLACES ± 0.10		THIRD ANGLE PROJECTION				
		DO NOT SCALE DRAWING			CODE ID NO. 03554 DWG SIZE C SCALE FIT SHEET 1 OF 2	



RECOMMENDED PANEL CUTOUT



A4(+) A3(-) A2(+) A1(-)
(ANODE)+ -(CATHODE)

CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)
0	BLOCKED	BLOCKED	9	GREEN	BLOCKED	J	BiC RD/GR	YELLOW
1	YELLOW	GREEN	A	BiC GR/YE	BiC GR/YE	K	YELLOW	BiC GR/OR
2	BLOCKED	GREEN	B	BiC RD/GR	BiC RD/GR	L	BiC GR/YE	RED
3	YELLOW	BLOCKED	C	BiC RD/GR	BiC GR/YE	M	RED	YELLOW
4	GREEN	YELLOW	D	GREEN	BiC GR/YE	N	BiC GR/RD	BiC GR/YE
5	GREEN	GREEN	E	YELLOW	BiC GR/YE	P	GREEN	BiC RD/GR
6	YELLOW	YELLOW	F	BiC GR/YE	YELLOW	R	BiC GR/OR	GREEN
7	RED	GREEN	G	BiC GR/OR	BiC GR/OR	T	RED	RED
8	GREEN	RED	H	BiC GR/YE	GREEN	V	BiC RD/GR	GREEN
						W	ADDITIONAL OPTIONS	

EXAMPLE OF ADDITIONAL LED OPTIONS:

PART NUMBER RJE59-188-54W1-0X

↑ ADDITIONAL LED COLOR CODE
↑ DENOTES ADDITIONAL LED OPTIONS TO BE USED

CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)
0	DO NOT USE		5	BLOCKED	YELLOW	A	LOWC YE	LOWC YE
1	RED	BLOCKED	6	RED	BiC RD/GR	B	LOWC YE	LOWC GR
2	BiC GR/OR	YELLOW	7	BLOCKED	BiC RD/GR	C	LOWC GR	LOWC YE
3	YELLOW	RED	8	BiC RD/GR	BLOCKED	D	LOWC GR	LOWC GR
4	BLOCKED	RED	9	BiC GR/YE	BLOCKED	M	LOWC RD	LOWC YE
						E	GREEN	ORANGE
						F	ORANGE	GREEN
						G	BiC OR/GR	BiC OR/GR



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REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING	NOV 27/14	L.CHAN
B	PROPOSAL DRAWING	MAY 21/15	L.CHAN

AMPHENOL PART NUMBER DESCRIPTION

RJE59-188-5XX1

GOLD PLATING OPTION — LED COLOR CODE
1=6u" GOLD PLATING
2=15u" MIN. GOLD PLATING
3=30u" MIN. GOLD PLATING
4=50u" MIN. GOLD PLATING

LED SPECIFICATIONS:

FORWARD VOLTAGE: 1.6 VOLTS TYP.
REVERSE VOLTAGE: 5.0 VOLTS MIN.
LUMINOUS INTENSITY: 0.4 mCd MIN.
(AT IF=2mA)
STORAGE TEMPERATURE: -40° TO 85° C
PLATING ON TAILS: TIN OR TIN/COPPER ALLOY OVER SILVER

LEGEND

BiC=BI-COLOR LED
LOWC=LOW CURRENT LED
YE=YELLOW
GR=GREEN
RE=RED
OR=ORANGE


PRIMARY COLOR FOR BI-COLOR LEDS IN STANDARD

ANODE/CATHODE CONFIGURATION IS:

RED-GREEN= RED
RED-YELLOW= RED
GREEN-YELLOW= GREEN
GREEN-ORANGE= GREEN

NOTE:

THE TWO DIGITS PRECEDING THE ADDITIONAL LED CODE MUST BE USED IN THE PART NUMBER, WHEN ORDERING ANY OF THE ADDITIONAL LED OPTIONS.

UNLESS SPECIFIED OTHERWISE		DRAWN	Ivan.Li	NOV 27/14	Amphenol Canada Corp.				
PRIMARY UNITS MILLIMETERS		CHECKED	L.CHAN	NOV 27/14					
SECONDARY INCHES		M.E. APP'D			MODULAR JACK, SINGLE PORT, 8P8C, SHIELDED, TAB UP TYPE WITH LED, CAT 6 – RoHS COMPLIANT				
REFERENCE IN PARENTHESES		Q.A. APP'D							
GENERAL TOLERANCES FOR MM		DWG APP'D	A.GREEN	NOV 27/14	DWG NO. P-RJE59-188-5XX1				
1 DECIMAL PLACE ±0.5		ENG. REL. NO.							
2 DECIMAL PLACES ±0.38		REF.			REV B				
3 DECIMAL PLACES ±0.10									
		THIRD ANGLE PROJECTION 		DO NOT SCALE DRAWING		CODE ID NO. 03554 DWG SIZE C SCALE FIT SHEET 2 OF 2			