

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
D	PROPOSAL DRAWING	MAY21/15	L.CHAN
E	UPDATE BACK WALL OF SHIELD; ADD SPECIAL LED CODE INSTRUCTION	FEB14/17	L.CHAN
F	ADD SPECIFICAL LED OPTION	APR20/17	L.CHAN

NOTES:

ELECTRICAL:

- VOLTAGE RATING: 125 VAC.
- CURRENT RATING: 1.25 AMP.
- INSULATING RESISTANCE: 500 MEGOHMS MINIMUM.
- DIELECTRIC STRENGTH: 1000 VAC RMS 60Hz, 1 MIN.
- CATEGORY 5e CHARACTERISTIC:

FREQUENCY MHz	NEAR-END CROSS TALK dB, MIN.	RETURN LOSS dB, MIN	INSERTION LOSS dB, MAX
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

MECHANICAL:

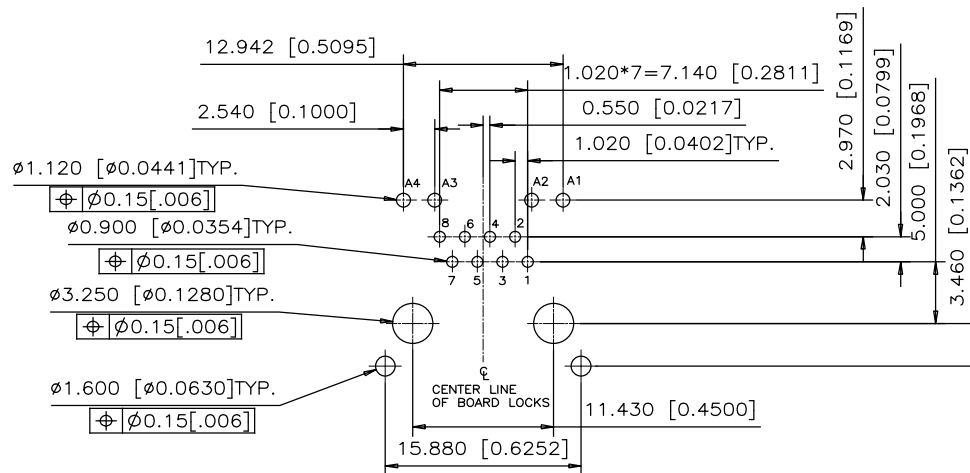
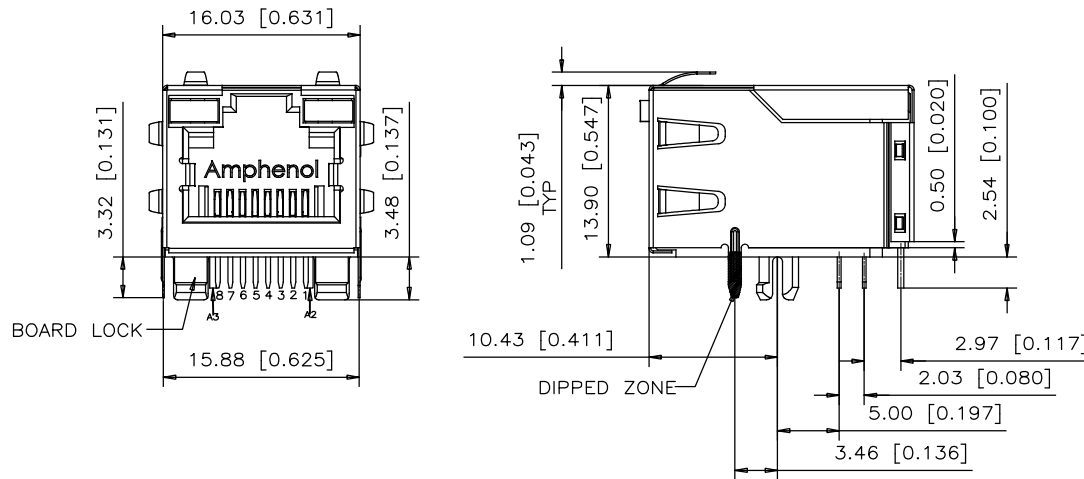
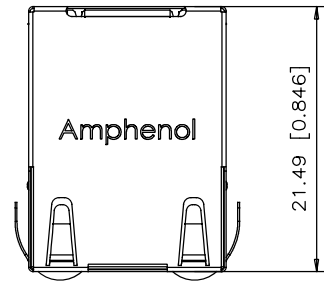
- SHIELD: STAINLESS STEEL, WITH TIN-DIP ON SOLDER TABS.
- HOUSING: HIGH TEMP THERMOPLASTIC. UL 94V-0.
- CONTACT: COPPER ALLOY
SELECTIVE GOLD PLATING FOR MATING SURFACE,
50u" NICKEL UNDERPLATE
100u" MATTE TIN PLATING ON CONTACT SOLDER TAIL.

ENVIRONMENTAL:

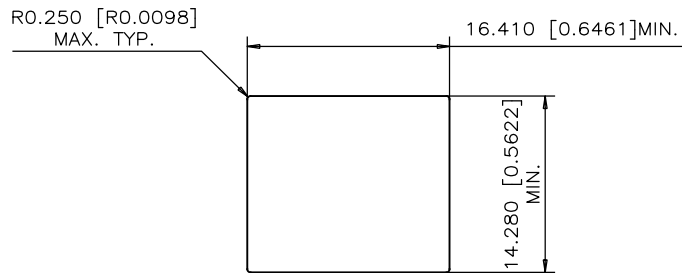
- STORAGE: -40° TO +85°.
- OPERATION: -40° TO +85°.

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

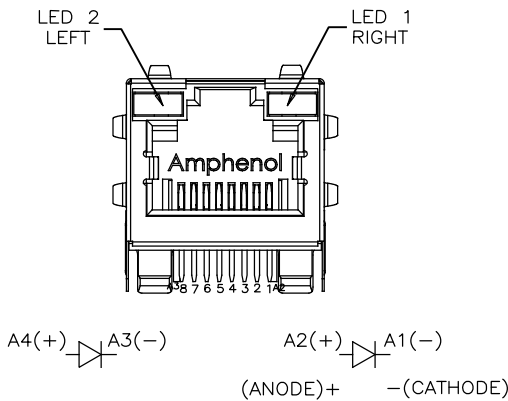
UNLESS SPECIFIED OTHERWISE		DRAWN	HUGH WANG	MAY 09/12	Amphenol Canada Corp. www.amphenolcanada.com	
PRIMARY UNITS MILLIMETERS		CHECKED	L.CHAN	MAY 09/12		
SECONDARY INCHES		M.E. APP'D			MODULAR JACK, SINGLE PORT, 8P8C, SHIELDED, TAP UP TYPE WITH LED, CAT 5e - RoHS COMPLIANT	
REFERENCE IN PARENTHESES		Q.A. APP'D				
GENERAL TOLERANCES FOR MM		DWG APP'D	A.GREEN	MAY 09/12	DWG NO. P-RJE58-188-5XX1	
1 DECIMAL PLACE ±0.5		ENG. REL. NO.				
2 DECIMAL PLACES ±0.38		REF.			CODE ID NO. 03554 DWG SIZE N/A SCALE FIT SHEET 1 OF 2	
3 DECIMAL PLACES ±0.10		THIRD ANGLE PROJECTION				
				DO NOT SCALE DRAWING	REV F	



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



RECOMMENDED PANEL CUTOUT



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 RJE58-188-54W1-OX

ADDITIONAL LED COLOR CODE

ONLY USED FOR "W" OPTIONS USED IN FIRST LED 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
						H	BiC GR/OR	ORANGE



AMPHENOL PART NUMBER DESCRIPTION

RJE58-188-5XX1

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.

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1 DECIMAL PLACE ±0.5	ENG. REL. NO.				
2 DECIMAL PLACES ±0.38	REF.		CODE ID NO. 03554 DWG SIZE N/A SCALE FIT SHEET 2 OF 2		
3 DECIMAL PLACES ±0.10	THIRD ANGLE PROJECTION	DO NOT SCALE DRAWING			