

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	INITIAL RELEASE	SEP29/21	K.T

NOTES:

ELECTRICAL:

- 60 VDC WITH MAXIMUM POWER 100 W
- INSULATING RESISTANCE : 500 MEGAOHMS MINIMUM.
- DIELECTRIC STRENGTH : 1000 VAC 60Hz, 1MIN.
- CATEGORY 5e CHARACTERISTIC

FREQUENCY MHZ	NEAR-END CROSSTALK dB, MIN.	RETURN LOSS dB , MIN.	INSERTION LOSS dB, MAX.
1.0	65.0	30.0	0.1
4.0	65.0	30.0	0.1
8.0	64.9	30.0	0.1
10.0	63.0	30.0	0.1
16.0	58.9	30.0	0.2
20.0	57.0	30.0	0.2
25.0	55.0	30.0	0.2
31.25	53.1	30.0	0.2
62.5	47.1	24.1	0.3
100.0	43.0	20.0	0.4

MECHANICAL:

- HOUSING: HIGH TEMP THERMOPLASTIC. UL 94V-0.
- CONTACT: PHOSPHOR BRONZE.
SELECTIVE GOLD PLATING FOR MATING SURFACE,
50u" MIN. NICKEL UNDERPLATE
100u" MATTE TIN PLATING ON CONTACT SOLDER TAIL.
- COPLANARITY:
THE MAXIMUM GAP BETWEEN ALL TERMINAL TAILS IS 0.10 [0.004]

ENVIRONMENTAL:

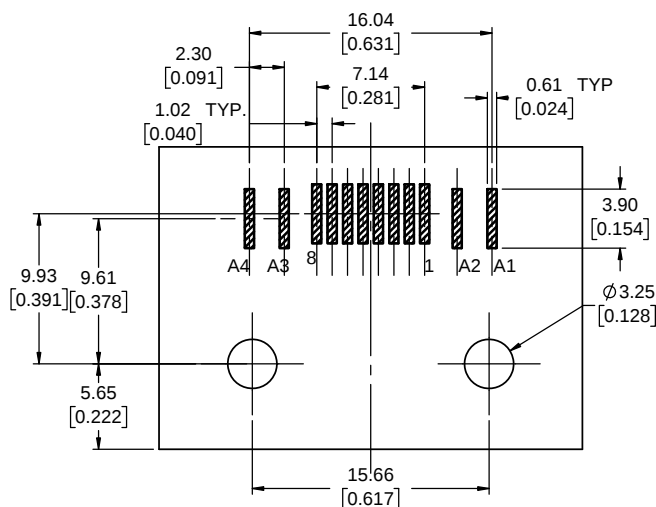
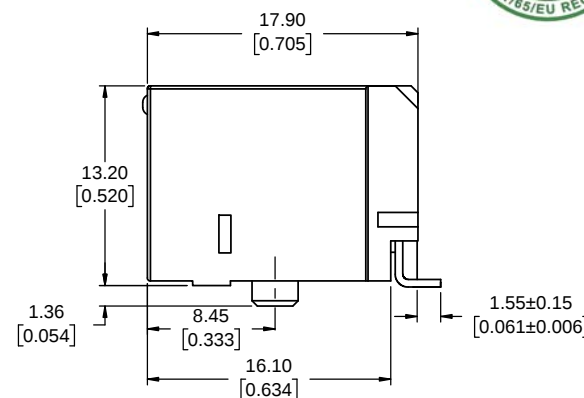
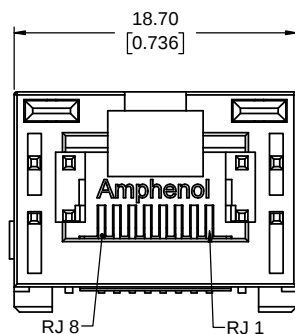
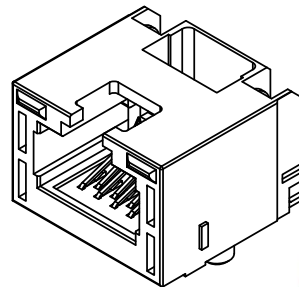
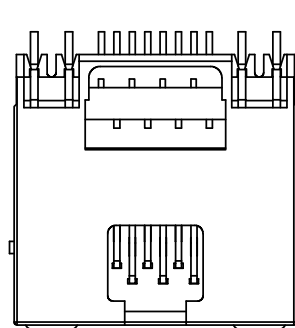
- OPERATING TEMPERATURE: -55 °C TO +85°C
- MSL RATING: 2A
- MATES WITH MODULAR PLUG CONFORMING TO TIA 1096 STANDARD.
- RECOMMENDED SOLDER PROCESS:
REFLOW SOLDER, PEAK TEMPERATURE 260°C FOR 10 SECONDS MAX.

RJ CONNECTOR CONFORMS TIA-1096 STANDARD

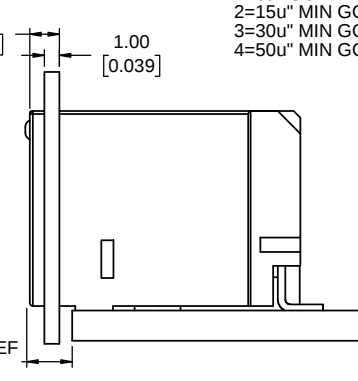
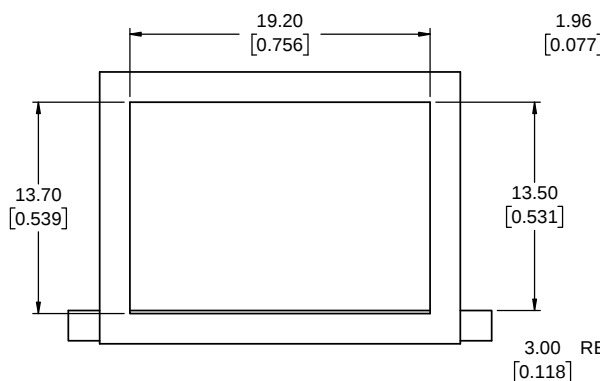
AMPHENOL PART NUMBER DESCRIPTION: RJE3A-188-0XX2

GOLD PLATING OPTION
1=6u" GOLD PLATING
2=15u" MIN GOLD PLATING
3=30u" MIN GOLD PLATING
4=50u" MIN GOLD PLATING

LED COLOR CODE
SEE PAGE 2



RECOMMENDED PCB LAYOUT
VIEW FROM COMPONENT SIDE
TOLERANCE: +/-0.05[0.002]



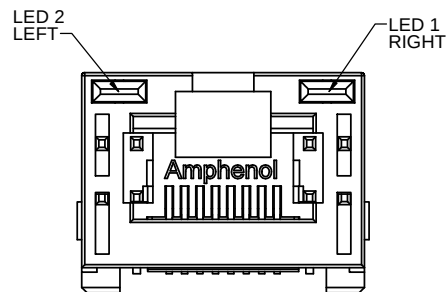
UNLESS SPECIFIED OTHERWISE	DRAWN	JAMISON.C	SEP29/21
PRIMARY UNITS MILLIMETERS	CHECKED	L.CHAN	SEP29/21
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.	A.GREEN	SEP29/21
1 DECIMAL PLACE	ENG. REL. NO.		
2 DECIMAL PLACES ±0.25	REF.		
3 DECIMAL PLACES ±0.13	THIRD ANGLE PROJECTION		
ANGULAR DEGREES ±1°	DO NOT SCALE DRAWING		

Amphenol Canada Corp.
Commercial Products

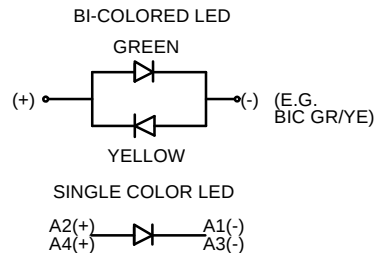
MODULAR JACK, SINGLE PORT, 8P8C,
UNSHIELDED, TAB UP, WITH LED,
CAT 5e---RoHS COMPLIANT

DWG. NO.	REV
P-RJE3A-188-0XX2	A
CODE ID NO. 03554	DWG SIZE: N/A
SCALE: FIT	SHEET 1 OF 3

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LED SCHEMATIC



LED SPECIFICATIONS:
 FORWARD VOLTAGE: 1.6 VOLTS TYP.
 REVERSE VOLTAGE: 5.0 VOLTS MAX.
 LUMINOUS INTENSITY: 0.4 mCd MIN.
 (AT IF=2mA)

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.

EXAMPLE OF ADDITIONAL LED OPTIONS:

RJE3A-188-04W2-0X
 ADDITIONAL LED COLOR CODE
 ONLY USED FOR "W" OPTIONS USED IN FIRST LED CODE
 DENOTES ADDITIONAL OPTIONS TO BE USED

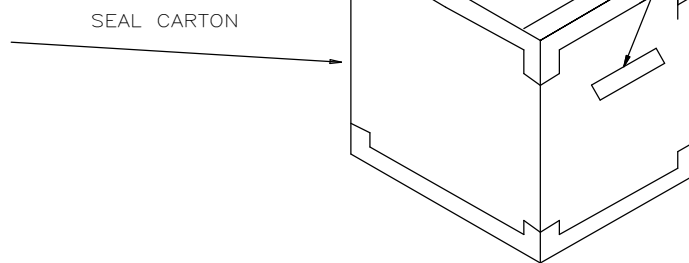
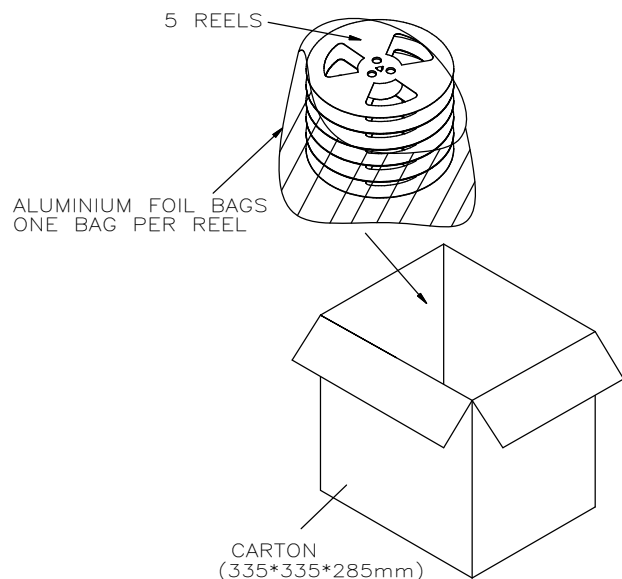
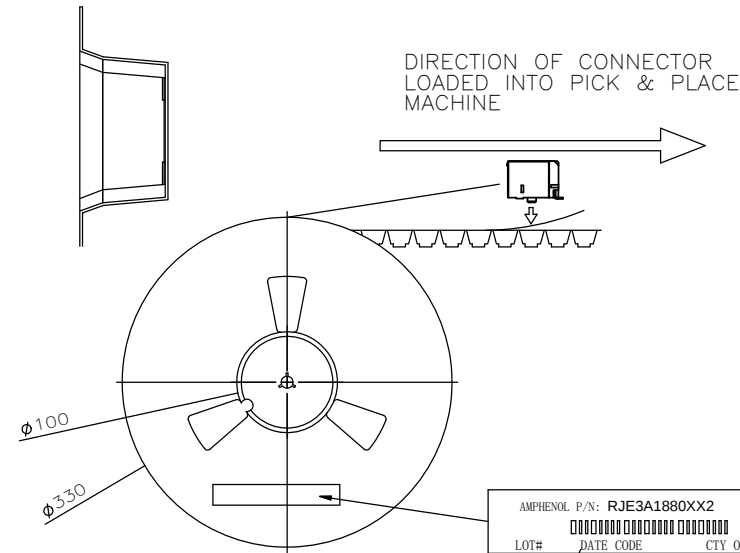
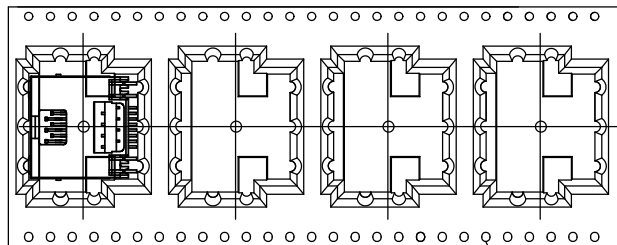
CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)	CODE	LED 2 (LEFT)	LED 1 (RIGHT)
0	DO NOT USE		5	BLOCKED	YELLOW	A	LOWC YE	LOWC YE
1	RED	BLOCKED	6	RED	BiC RD/GR	B	LOWC YE	LOWC GR
2	BiC GR/OR	YELLOW	7	BLOCKED	BiC RD/GR	C	LOWC GR	LOWC YE
3	YELLOW	RED	8	BiC RD/GR	BLOCKED	D	LOWC GR	LOWC GR
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



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UNLESS SPECIFIED OTHERWISE	DRAWN	JAMISON.C	SEP29/21	Amphenol Canada Corp. Commercial Products MODULAR JACK, SINGLE PORT, 8P8C, UNSHIELDED, TAB UP, WITH LED, CAT 5e---RoHS COMPLIANT		
PRIMARY UNITS MILLIMETERS	CHECKED	L.CHAN	SEP29/21			
SECONDARY INCHES	M.E. APP'D					
REFERENCE IN PARENTHESES	Q.A. APP'D					
GENERAL TOLERANCES	DWG APPR.	A.GREEN	SEP29/21	DWG. NO. P-RJE3A-188-0XX2 REV A		
1 DECIMAL PLACE	ENG. REL. NO.					
2 DECIMAL PLACES ±0.25	REF.					
3 DECIMAL PLACES ±0.13	THIRD ANGLE PROJECTION					
ANGULAR DEGREES ±1°				CODE ID NO. 03554 DWG SIZE: N/A SCALE: FIT SHEET 2 OF 3		

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NOTES:

1. FINISHED CONNECTORS (AFTER FINAL INSPECTION) TO BE PACKED INTO CONDUCTIVE HIPS TAPE AND REEL. ONE REEL SHOULD HOLD 125 CONNECTORS.
2. 13 EMPTY POCKETS SEALED OF TAPE LEADER AND 6 EMPTY POCKETS SEALED OF TAPE TRAILER.
3. A FULLY LOADED CARTON SHOULD CONTAIN 5 REELS (625 PCS) OF CONNECTOR.

UNLESS SPECIFIED OTHERWISE		DRAWN	JAMISON.C	SEP29/21	Amphenol Canada Corp. Commercial Products	
PRIMARY UNITS MILLIMETERS		CHECKED	L.CHAN	SEP29/21		
SECONDARY INCHES		M.E.	APP'D		MODULAR JACK, SINGLE PORT, 8P8C, UNSHIELDED, TAB UP, WITH LED, CAT 5e---RoHS COMPLIANT	
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GENERAL TOLERANCES		DWG APPR.	A.GREEN	SEP29/21	DWG. NO. P-RJE3A-188-0XX2	
1 DECIMAL PLACE		ENG. REL. NO.				
2 DECIMAL PLACES ±0.25		REF.			CODE ID NO. 03554 DWG SIZE: N/A SCALE: FIT SHEET 3 OF 3	
3 DECIMAL PLACES ±0.13		THIRD ANGLE PROJECTION				
ANGULAR DEGREES ±1°		DO NOT SCALE DRAWING			REV A	

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