

REVISONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING	DEC04/20	K.T
B	UPDATE PANEL CUT OUT DIMENSION	DEC25/20	K.T
C	UPDATE VOLTAGE	JUN09/21	A.G

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:

- SHIELD: STAINLESS STEEL WITH 100u" MATTE TIN OVER 20u" MIN. NICKEL UNDERPLATE
- 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:

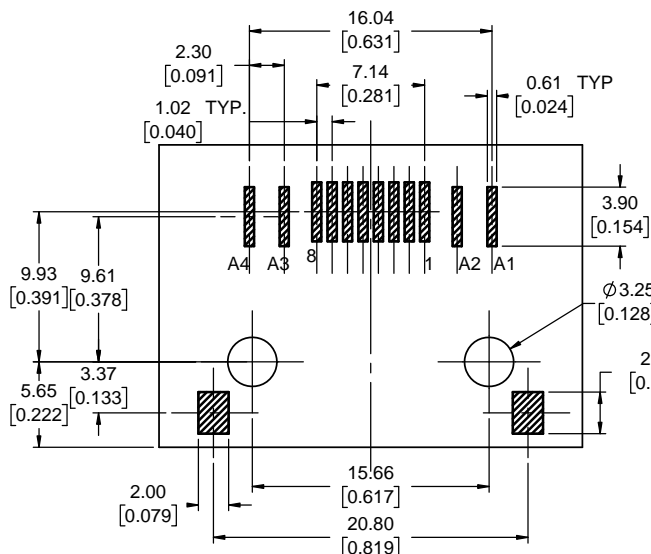
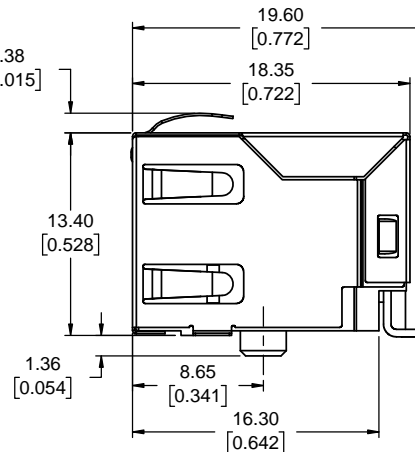
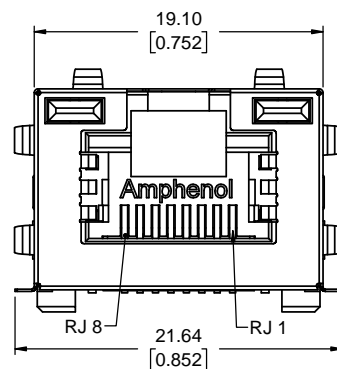
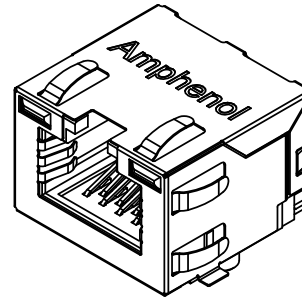
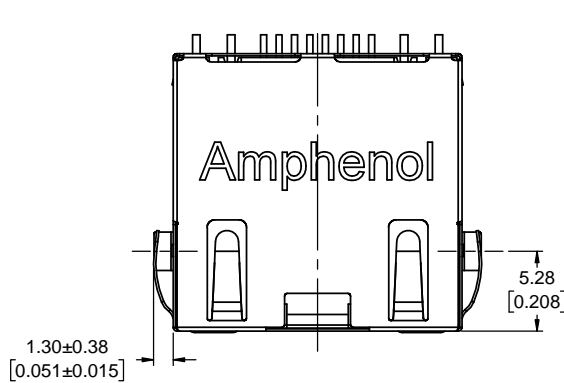
- STORAGE : -40 °C TO +85°C
- OPERATION :-55 °C TO +85°C
- MATES WITH MODULAR PLUG CONFORMING TO TIA 1096 STANDARD.
- RECOMMENDED SOLDER PROCESS:  
REFLOW SOLDER,PEAR TEMPERATURE 260°C FOR 10 SECONDS MAX.

RJ CONNECTOR CONFORMS TIA-1096 STANDARD

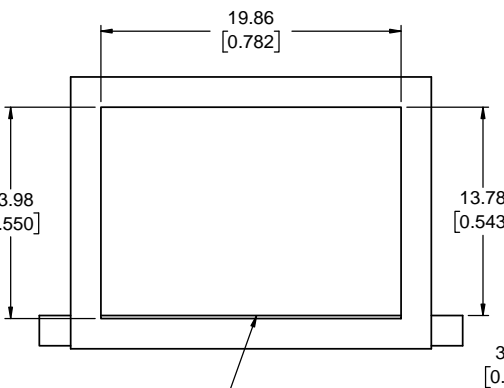
AMPHENOL PART NUMBER DESCRIPTION: RJE3A-188-1XX2

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

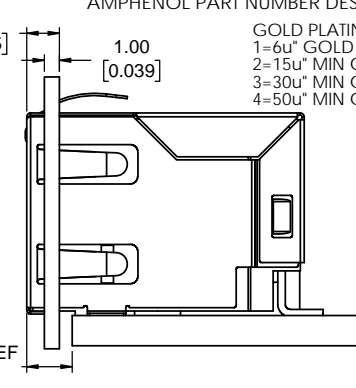
LED COLOR CODE  
SEE PAGE 2



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



TOP SURFACE OF PCB

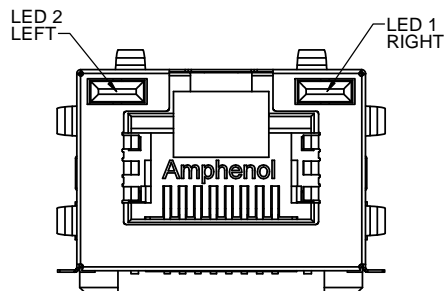


UNLESS SPECIFIED OTHERWISE	DRAWN	JAMISON.C	DEC04/20
PRIMARY UNITS MILLIMETERS	CHECKED	L.CHAN	DEC04/20
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.	A.GREEN	DEC04/20
1 DECIMAL PLACE	ENG. REL. NO.		
2 DECIMAL PLACES ±0.25	REF.		
3 DECIMAL PLACES ±0.13	THIRD ANGLE PROJECTION		
ANGULAR DEGREES ±1°	DO NOT SCALE DRAWING		

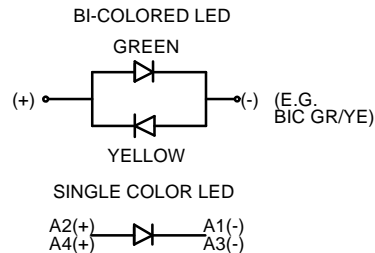
<b>Amphenol Canada Corp.</b> Commercial Products	
MODULAR JACK, SINGLE PORT, 8P8C, SHIELDED, TAB UP, WITH LED, CAT 5e---RoHS COMPLIANT	
DWG. NO.	REV
<b>P-RJE3A-188-1XX2</b>	<b>C</b>
CODE ID NO. 03554	DWG SIZE: N/A
SCALE: FIT	SHEET 1 OF 3

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING	DEC04/20	K.T
B	UPDATE PANEL CUT OUT DIMENSION	DEC25/20	K.T
C	UPDATE VOLTAGE	JUN09/21	A.G



### LED SCHEMATIC



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 GR/RD
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				

LED SPECIFICATIONS:  
FORWARD VOLTAGE: 1.6 VOLTS TYP.  
REVERSE VOLTAGE: 5.0 VOLTS MAX.  
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.

EXAMPLE OF ADDITIONAL LED OPTIONS:

RJE3A-188-14W2-0X

↑ 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			

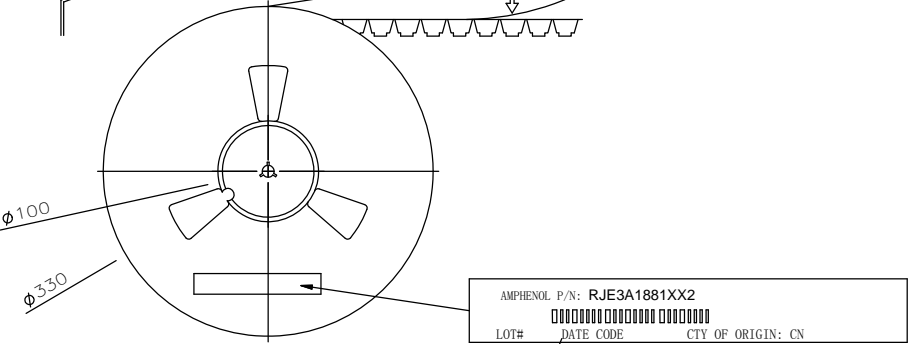
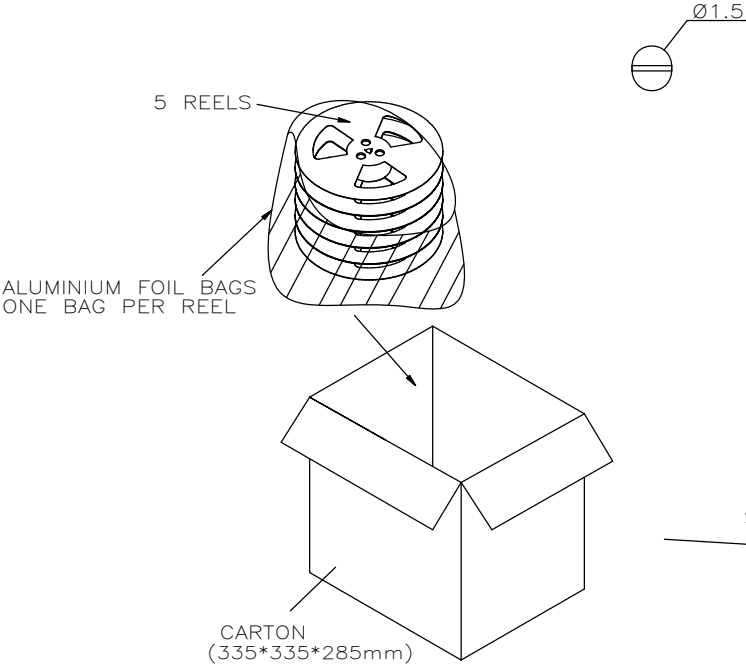
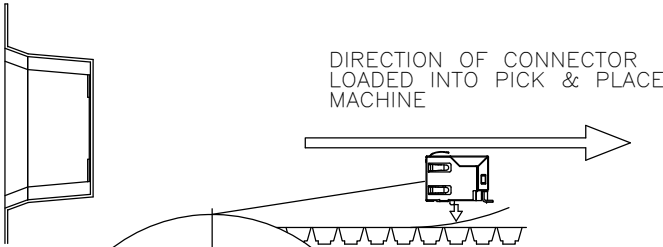
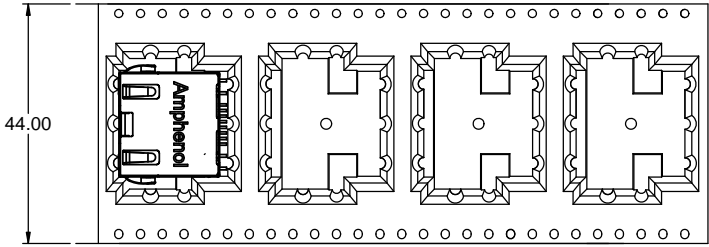


THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS SPECIFIED OTHERWISE	DRAWN	JAMISON.C	DEC04/20
PRIMARY UNITS MILLIMETERS	CHECKED	L.CHAN	DEC04/20
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.	A.GREEN	DEC04/20
1 DECIMAL PLACE	ENG. REL. NO.		
2 DECIMAL PLACES ±0.25	REF.		
3 DECIMAL PLACES ±0.13	THIRD ANGLE PROJECTION		
ANGULAR DEGREES ±1°			

<b>Amphenol Canada Corp.</b> Commercial Products	
MODULAR JACK, SINGLE PORT, 8P8C, SHIELDED, TAB UP, WITH LED, CAT 5e---RoHS COMPLIANT	
DWG. NO.	REV
P-RJE3A-188-1XX2	C
CODE ID NO. 03554	DWG SIZE: N/A
SCALE: FIT	SHEET 2 OF 3

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING	DEC04/20	K.T
B	UPDATE PANEL CUT OUT DIMENSION	DEC25/20	K.T
C	UPDATE VOLTAGE	JUN09/21	A.G



SEAL CARTON



- 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.

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS SPECIFIED OTHERWISE	DRAWN	JAMISON.C	DEC04/20
PRIMARY UNITS MILLIMETERS	CHECKED	L.CHAN	DEC04/20
SECONDARY INCHES	M.E. APP'D		
REFERENCE IN PARENTHESES	Q.A. APP'D		
GENERAL TOLERANCES	DWG APPR.	A.GREEN	DEC04/20
1 DECIMAL PLACE	ENG. REL. NO.		
2 DECIMAL PLACES $\pm 0.25$	REF.		
3 DECIMAL PLACES $\pm 0.13$	THIRD ANGLE PROJECTION		
ANGULAR DEGREES $\pm 1^{\circ}$			

**Amphenol Canada Corp.**  
Commercial Products  
MODULAR JACK, SINGLE PORT, 8P8C,  
SHIELDED, TAB UP, WITH LED,  
CAT 5e---RoHS COMPLIANT

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

REV  
**C**