NOTES:

ELECTRICAL:
1. 60 VDC WITH MAXIMUM POWER 100 W
2. INSULATING RESISTANCE : 500 MEGAOHMS MINIMUN.
3. DIELECTRIC STRENGTH : 1000 VAC 60Hz, 1MIN.
4. 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
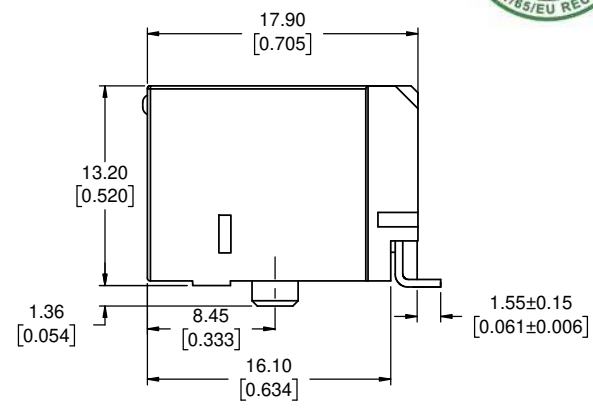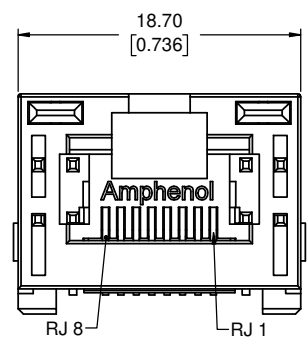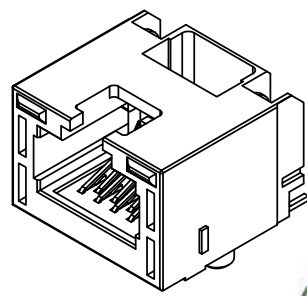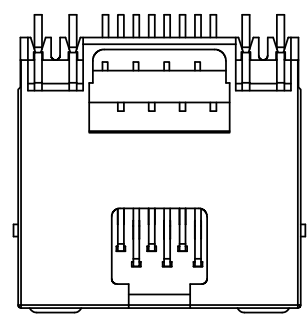
MECHANICAL:
1. HOUSING: HIGH TEMP THERMOPLASTIC. UL 94V-0.
2. CONTACT: PHOSPHOR BRONZE.
   SELECTIVE GOLD PLATING FOR MATING SURFACE,
   50u" MIN. NICKEL UNDERPLATE
   100u" MATTE TIN PLATING ON CONTACT SOLDER TAIL.
3. COPLANARITY:
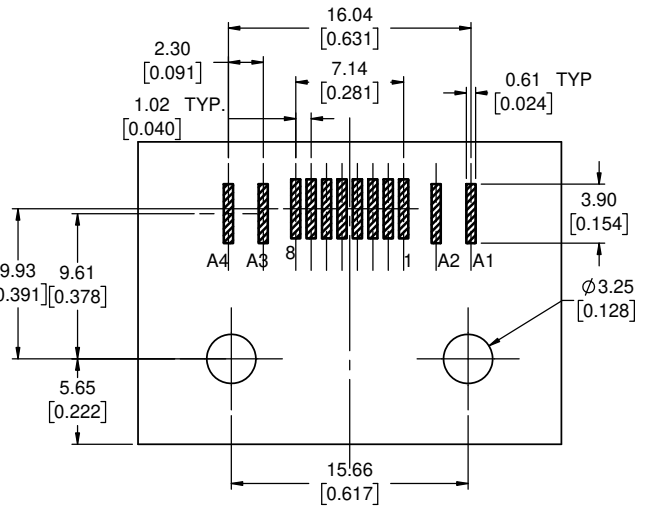   THE MAXIMUM GAP BETWEEN ALL TERMINAL TAILS IS 0.10 [0.004]

ENVIRONMENTAL:
1. OPERATING TEMPERATURE: -55 °C TO +85°C
2. MSL RATING: 2A
3. MATES WITH MODULAR PLUG CONFORMING TO TIA 1096 STANDARD.
4. RECOMMENDED SOLDER PROCESS:
   REFLOW SOLDER,PEAR TEMPERATURE 260°C FOR 10 SECONDS MAX.
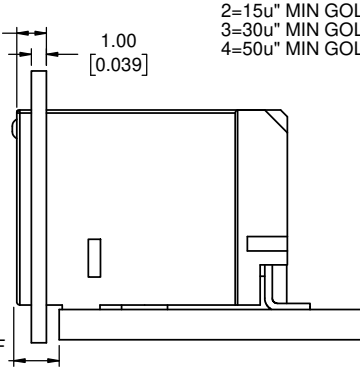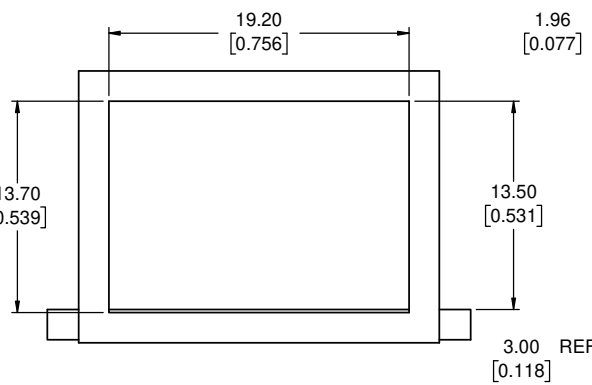
RJ CONNECTOR CONFORMS TIA-1096 STANDARD

AMPHENOL PART NUMBER DESCRIPTION: RJE3A-188-0XX2

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

18.70 [0.736]

RJ 8   RJ 1

17.90 [0.705]

13.20 [0.520]

1.36 [0.054]

8.45 [0.333]

16.10 [0.634]

1.55±0.15 [0.061±0.006]

16.04 [0.631]

2.30 [0.091]

1.02 TYP. [0.040]

7.14 [0.281]

0.61 TYP [0.024]

3.90 [0.154]

A4 A3 8   1 A2 A1

9.93 [0.391] 9.61 [0.378]

5.65 [0.222]

15.66 [0.617]

Ø3.25 [0.128]

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

19.20 [0.756]

13.70 [0.539]

13.50 [0.531]

3.00 REF [0.118]

1.96 [0.077]

1.00 [0.039]

RoHS COMPLIANT 2011/65/EU RECAST

AMPHENOL CANADA CORP

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

LED 2 LEFT — LED 1 RIGHT

LED SCHEMATIC

BI-COLORED LED

GREEN

(+) ———▷|———▷|——— (-) (E.G. BIC GR/YE)

YELLOW

SINGLE COLOR LED

A2(+) A1(-)
A4(+) ——▷|—— A3(-)

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.

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	

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

RoHS COMPLIANT
2011/65/EU RECAST
AMPHENOL CANADA CORP

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			
ANGULAR DEGREES ±1°	THIRD ANGLE PROJECTION	DO NOT SCALE DRAWING	

Amphenol Canada Corp.
Commercial Products

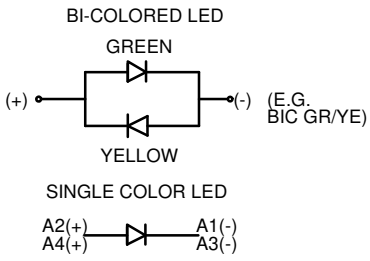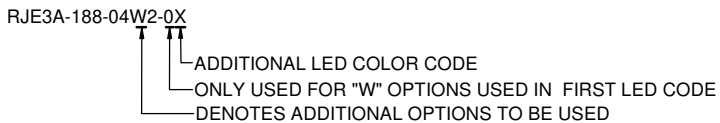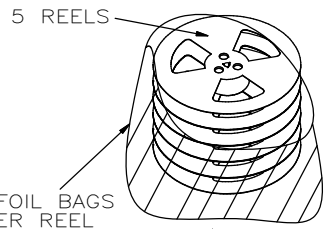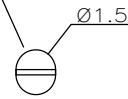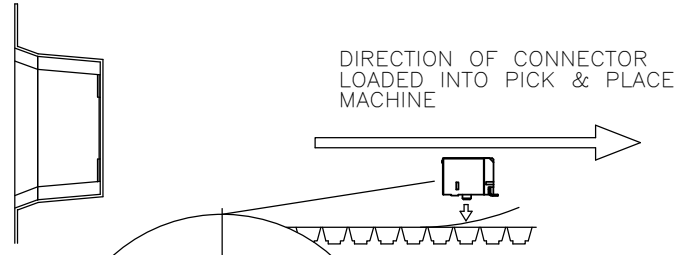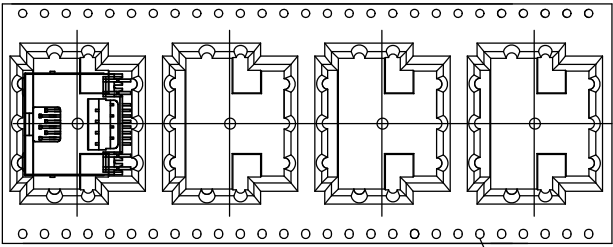MODULAR JACK, SINGLE PORT, 8P8C, UNSHIELDED, TAB UP, WITH LED, CAT 5e---RoHS COMPLIANT

DWG. NO. P-RJE3A-188-0XX2 REV A

CODE ID NO. 03554 | DWG SIZE: N/A | SCALE: FIT | SHEET 2 OF 3

Ø1.5

DIRECTION OF CONNECTOR LOADED INTO PICK & PLACE MACHINE

5 REELS

ALUMINIUM FOIL BAGS
ONE BAG PER REEL

φ100

φ330

AMPHENOL P/N: RJE3A1880XX2

LOT#   DATE CODE   CTY OF ORIGIN: CN

CARTON
(335*335*285mm)

SEAL CARTON

RoHS
COMPLIANT
2011/65/EU RECAST
AMPHENOL CANADA CORP
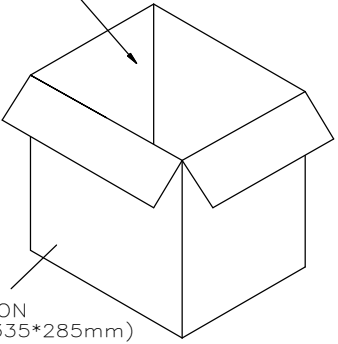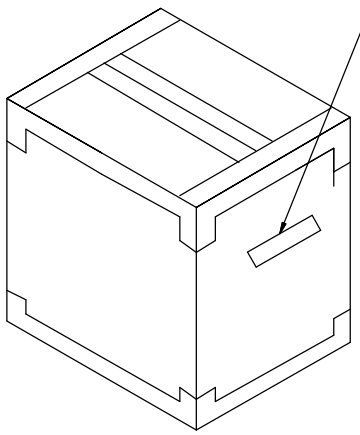
NOTES:

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